



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

Release Note

For version 1.4.1

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Revision History

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1.0	18/03/2016	Zainura	Chew Ming Ping	First Version

Verified and Acknowledged by:

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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
Client Name	:	Ministry of Health
Release ID	:	RL16/003
Release Date	:	18/03/2016

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.

No	Ticket No	Facility	Module	Reported Date	Title	Description	Resolution	Resolved Date	Verify Status
1	I- PHIS009817715S	Bahagian Perkhidmatan Farmasi (BPF)	Clinical Pharmacokinetic Services (CPS)	10/6/15	TDM Calculator	User request to insert calculation for vancomycin clearance (formula given) (0.695)(clcr) + 0.05	Refer to Quick Guide	21/12/15	
2	I- PHIS009818015S	Bahagian Perkhidmatan Farmasi (BPF)	Clinical Pharmacokinetic Services (CPS)	27/5/15	TDM Calculator	To amend layout for TDM calculator to minimize the risk of error during data key in (eg:Cp measured – Note)	Refer to Quick Guide	22/12/15	
3	I- PHIS011454315S	Bahagian Perkhidmatan Farmasi (BPF)	General Module	9/7/15	Drug Master	General – Drug Master User request in Drug Master, for Defined Daily Dose field, should allow user to enter decimal value. Currently it can enter integer only.	Refer to Quick Guide	23/12/15	
4	I- PHIS012750515S	Bahagian Perkhidmatan Farmasi (BPF)	General Module		Drug Master	Drug Master- Methadone Flag. 1. Change 'Methadone' flag to 'Opioid Substitution Treatment (OST)'. 2. Apply to both PhIS and IWP.	Refer to Quick Guide	22/12/15	
5	I- PHIS012793115S , I- PHIS012793415S	Bahagian Perkhidmatan Farmasi (BPF)	General Module	20/11/15	Therapy Linked and Setup	Radiopharma Maintenance 1. Therapy Linked Radiopharma: Measured Activity: automatically calculated for MBq when putting mCi. 2. Radiopharma Setup: To allow setting Expiry Duration based on brand for Cold Kit, I-131 and Ready to Use. Currently, only Cold Kit able to set. UOM: Minute, Hour, Day, Month.	Refer to Quick Guide	11/1/16	
6	I- PHIS012960315S	Bahagian Perkhidmatan Farmasi (BPF)	General Module	16/12/15	Drug/Non Drug Catalogue	Request to allow generate excel report to list all Item Master record, separated in two categories, Drug and Non Drug.	Refer to Quick Guide	28/1/16	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Resolution	Resolved Date	Verify Status
7	I- PhIS012984615S	Bahagian Perkhidmatan Farmasi (BPF)	General Module	20/12/15	Item Master	Request changes on Item maintenance screen. Make it column :- 1. conversion factor 2. pku 3. packaging description is non editable once Item master created and save.	Refer to Quick Guide	29/12/15	
8	I- PhIS012985015S	Bahagian Perkhidmatan Farmasi (BPF)	General Module	20/12/15	Delivery Site To	Request to add new filters on listing screen in DST screen to ease searching	Refer to Quick Guide	28/12/15	
9	I- PhIS009425815S , I- PhIS008275814S , I- PhIS008279814S , I- PhIS008275914S	Bahagian Perkhidmatan Farmasi (BPF)	Manufacturing - Galencical	16/4/15	Galencical/ Prepacking	Galencical and Prepacking Label 1. Request to update and add labels design for Galencical – Work Order and Prepacking. Label design is generated by PhIS but the printing facility using the facility current printer and label sheet. 2. Request additional info for hospital name. Example : HOSPITAL TANAH MERAH 3. User requests to have option for drug label size in order to print label. Suggestion: 90mmx60mm & 45mmx30mm (HTM). 4. Request for bigger font size for drug name and total quantity (HTM).	Refer to Quick Guide	29/1/16	
10	I- PhIS012793215S , I- PhIS012792815S , I- PhIS012793015S	Bahagian Perkhidmatan Farmasi (BPF)	Manufacturing - Radiopharmaceutical	20/11/15	Order and Appointment	Radiopharma Order 1. Allow facility user to default order UOM. MBq or mCi Radiopharma Appointment 1. Medication counseling pop up to move from dispensing screen to upon confirm Appointment screen. 2. Once appointment confirmed (status = new), if user reschedule, to store each reschedule in audit trail.	Refer to Quick Guide	20/1/16	
11	I- PhIS012793615S		Manufacturing - Radiopharm	20/11/15	Outsource and Offline	Outsource Online/Offline 1. To add the Issue Detail button in Dispensing screen, to print pdf form same as in Bulk	Refer to Quick Guide	26/1/16	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Resolution	Resolved Date	Verify Status
			aceutical			Preparation screen (but without the second page) 2. In the form, to add Patient MRN, IC, Name.			
12	I-PhIS012793715S	Bahagian Perkhidmatan Farmasi (BPF)	Manufacturing - Radiopharmaceutical	20/11/15	Generator Elution	<p>Radiopharma Generator Elution</p> <ol style="list-style-type: none"> 1. Saline Vial to not mandatory based on generator brand. 2. Quality Control: Add UOM dropdown for Measured MO-99 Activity (KBq @ μCi) & MO-99 Breakthrough (KBq/MBq @ μCi/mCi). Default selection based on UOM in Preparation screen. 3. To auto generate Expiry Date based on generator brand and move Expiry Date field to Preparation screen. 4. Label: <ol style="list-style-type: none"> i. To add drop down menu for Checked By. ii. Rename Labelling Date/Time to 'Elution Date/Time'. Add search box to search user from user profile. Field display in preparation screen, move from print label. 5. Worksheet: <ol style="list-style-type: none"> i. Rename 'Measured Radioactivity' to 'Measured Activity' ii. Rename 'Technetium (99mTc) Sodium Pertechnetate' to 'Sodium Pertechnetate Tc-99m' iii. Add date on Worksheet Prepared By & Preparation Done By iv. Date value take from Prepared Date, field name remain Date" 6. Product Batch No.: <ol style="list-style-type: none"> i. Generate based on generator code & year ii. Generator code add in stock verification for user to specify code for each generator batch iii. Rename Product Batch No, eg: 'Tc151118', not 'TC151118'. Example of new batch number: 	Refer to Quick Guide	18/1/16	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Resolution	Resolved Date	Verify Status
						01.01Tc151118. (Generator Code).(Running No)Tc(Date)			
13	I- PhIS012793815S , I- PhIS012794315S , I- PhIS012794515S		Manufacturing - Radiopharmaceutical	20/11/15	Verification, Preparation & Dispensing	Radiopharma – Verification, Preparation, Dispensing 1. Listing screen: Default to current date in Pharmacy Transaction. 2. To have separate label for Iodine and Tc: i. Label Iodine: default empty for Administered By ii. Label Technetium: remove administered by, add Prepared By & Checked By 3. Batch Allocation: Allocation Qty, unable to allocate in decimal for volume. To update allocation function to allow user to allocate the volume in decimal.	Refer to Quick Guide	28/1/16	
14	I- PhIS012795015S , I- PhIS012792615S , I- PhIS012795615S	Bahagian Perkhidmatan Farmasi (BPF)	Manufacturing - Radiopharmaceutical	20/11/15	Kit Preparation	Radiopharma Kit Preparation 1. Remove mandatory for pH value. 2. Worksheet: To update Strip calculation. Add value to enter BG Reading, update calculation based on BG Reading. 3. Worksheet: i. Add Manufacturer Name on Cold Kit Brand Name. ii. Add Expiry Date for Cold Kit Vial, Eluate Tc-99m Vial & Saline Vial. iii. Rename Labelling Time to 'Measured Date/Time'. iv. When record is approved, in worksheet Approval section, to update checklist as Yes only. Currently display as Yes/No. v. Worksheet change to Landscape and add portion to paste label.	Refer to Quick Guide	15/1/16	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Resolution	Resolved Date	Verify Status
15	I- PhIS012795515S , I- PhIS012792715S , I- PhIS012795415S		Manufacturing - Radiopharmaceutical	20/11/15	Stock Verification	Radiopharma Stock Verification 1. Add value to display Expected Activity and Date Time. 2. Activity Variation should calculate based on variation between Expected Activity and Measured Activity. 3. Display Expiry Date and Time. Auto generate based on Calibration Date/Time and Expiry Duration as setup in Radiopharma Setup. 4. Mandatory only for Calibration Activity and Measured Activity.	Refer to Quick Guide	15/2/16	
16	I- PhIS009003915S (I- PhIS009004215S , I- PhIS009004415S , I- PhIS009820715S) , I- PhIS012588015S	Hospital Pakar Sultanah Fatimah, Hospital Miri	MAR	8/3/15	View MAR - Web	View MAR Web– New changes 1. View MAR & Medication Administration Record-Add on search function User request to add on Search function at View MAR screen (after select patient name) to make it more user friendly without need to navigate so much to get the info. Below is the request for filtering: a. Date range b. Active/Inactive/All medication c. Drug Indication d. Drug 2. MAR> Medication Administration Record – Add on search function User request to add on Search function at front page View MAR screen to make it more user friendly .Below is the request for filtering: a. Location b. Order date c. Patient MRN d. Admin time" 3. MAR> Medication Administration Record- Synchronize the navigation	Refer to Quick Guide	24/2/15	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Resolution	Resolved Date	Verify Status
						<p>User request to have strikethrough at View MAR for Discontinue Medication same as Medication Administration Record.</p> <p>a. User request to have details appear after mouse overfly the box</p> <p>4. View MAR</p> <p>a. To include administration route</p> <p>b. To display 'Own Medication' flag</p> <ul style="list-style-type: none"> • E.g: Dexamethasone 0.5 mg tablet (Own Medication). Highlight the row with pink colour. <p>c. Display Order Date</p> <p>d. Allow doctor to search drug by All/Active/Inactive medication</p> <p>e. Allow to search by drug name in MAR screen</p> <p>f. MAR popup details should be included in View MAR."</p>			
17	I- PhISO10180415S , I- PhISO10264315S , I- PhISO10444315S	Hospital Pakar Sultanah Fatimah	MAR	5/6/15	MAR - Web/Mobile	<p>MAR Ward stock availability - Display indicator.</p> <p>1. MAR Ward stock availability - Display indicator</p> <p>a. Display indicator next to ward stock button to show ward stock is available or not.</p> <p>2. MAR - Admin stock - Auto allocate ward stock</p> <p>a. Auto allocate ward stock in MAR screen when user click on WS button</p> <p>3. MAR - Validate witness</p> <p>a. To validate, system admin user cannot be entered as the witness for MAR. Implement both Web and Mobile. Currently, users enter system admin as the witness, results to not proper data for witness.</p>	Refer to Quick Guide	1/3/16	
18	I- PhISO12256815S , I- PhISO12588015S , I-	Hospital Tanah Merah, Hospital Miri, Hospital Seri Manjung	MAR	27/8/15	View MAR - Web/Mobile	<p>View MAR</p> <p>1. View MAR - View admin time in Ipad</p> <p>a. User request that she want to view actual serve time in view MAR box</p> <p>2. View MAR Mobile - Request to stop displaying</p>	Refer to Quick Guide	28/1/16	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Resolution	Resolved Date	Verify Status
	PhIS011862315S , I- PhIS012588015S , I- PhIS010950515S , I- PhIS008646115S , I- PhIS012250115S , I- PhIS012256815S , I- PhIS012262415S , I- PhIS012321915S					<p>the Discontinued Drug</p> <p>a. Doctor request to not display the Discontinued drug status in MAR because she complain that the MAR is too messy with unused drug (Discontinued).. Please refer attachment in File Upload.</p> <p>3. Request for 'frequency' inside View MAR</p> <p>a. User request to include frequency inside the Medication Administration Chart. Currently the view only include drug name, dose and prescriber.</p> <p>4. View MAR Mobile - Request View MAR according to location in user profile</p> <p>a. User request View MAR to limit according to location in user profile. Doctor don't want MAR from other department/location which is not under them list in MAR.</p> <p>5. View Mar - Request to add Drug Frequency under drug name in View Mar.</p> <p>a. Request to add Drug Frequency under drug name in View Mar for more details for doctor.</p> <p>6. View MAR: Request to have reminder.</p> <p>a. User requests to have some alert to remind the last day medication in order screen.</p> <p>7. View MAR-Request add drug frequency at View Mar on Mobile.</p> <p>a. User Request to add Drug Frequency at View Mar On Mobile.</p> <p>8. Request to stop displaying the Discontinued Drug.</p> <p>a. Doctor request to not display the Discontinued drug status in MAR because she complain that the MAR is too messy with unused drug (Discontinued). Please refer attachment in File</p>			



No	Ticket No	Facility	Module	Reported Date	Title	Description	Resolution	Resolved Date	Verify Status
						<p>Upload.</p> <p>9. Medication Order - Request to remove stopped medication from current MAR list.</p> <p>a. User request to remove medication that has been stop by doctor from list current MAR screen. This request is regarding the medications for two patients Wong Chee Kheng and Kandawang. For Wong Chee Kheng, the Tranexemic acid was stopped initially but then represcribed by the doctor. But both prescriptions (current and old Rx) will show up in the Ipad screen which might confuse the staff nurse during preparation of the medications despite it has shown different colour regarding which medication has been discontinue (orange colour).</p> <p>10. Medication Administration Record - Request to add in detail in Ipad MAR.</p> <p>a. User from Female Surgical Ward has request to add in more detail in Ipad version same with web version for Medication Administration Record especially for injection order.</p>			
19	I- PhIS008294214S , I- PhIS010780315S , I- PhIS008572115S , I- PhIS008722015S , I- PhIS010716315S I- PhIS012210315S	Hospital Bahagia Ulu Kinta, Klinik Kesihatan Greentown, Hospital Seri Manjung, Hospital Pakar Sultanah Fatimah, Hospital Tanah Merah	Order Management	5/12/14	Manage Order - Web/Mobile	<p>Order Management – Manage Order.</p> <p>1. Medication Order Web- Normal - Modify order using 'Edit' button.</p> <p>To edit order, instead of double click on the prescription list, suggest to add 'EDIT' button.</p> <p>2. Medication Order - Request to eliminate popup confirmation after confirm order.</p> <p>User reported sometimes the doctor forget to click on “Confirm” Order button. This leads to unnecessary delay and need to key in again the medication. They suggest to eliminate Confirm Order or popup confirmation order.</p>	Refer to Quick Guide	13/1/16	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Resolution	Resolved Date	Verify Status
	, I- PhIS012611215S					<p>3. Manage Order: Request to no need put remarks as mandatory when stop/cancel order. Request to, no need put remarks as mandatory when stop/cancel order.</p> <p>4. Manage Order-Request doctor should be able to cancel or stop drug ordered even the drug status is uncollected Request doctor should be able to cancel or stop drug ordered even the drug status is uncollected. For pharmacist to do release batch before doctor can cancel or stop the drug is time consuming.</p> <p>5. ORDER MANAGEMENT - Requested disable reason. Requested disable reason.</p> <p>6. Dispensing - Hold medication. User request when pharmacist hold drug, doctor can stop the drug from dispense. Currently when doctor need to stop the drug, the pharmacist need to un-hold the drug before the doctor can stop the drug.</p> <p>7. Request when prescriber stop current order, to not stop all OP and IP medications Request when prescriber stop current order, to not stop all OP and IP medications or different discipline medications. Currently, system stop all medication including other discipline orders.</p>			
20	I- PhIS011720515S	Hospital Pakar Sultanah Fatimah	Order Management	16/7/15	OM Web/Mobile	Order management- Request to default duration. User request to set default duration as 7 days for inpatient and separate duration default setting for OP, Daycare and Emergency.	Refer to Quick Guide	28/1/16	
21	I- PhIS012607715S , I- PhIS012346615S	Hospital Kulim, Klinik Kesihatan Ketereh	Order Management	23/10/15	Medication Order - Web/Mobile	Order Management – Validate IP/OP 1. Medication order - Date not change automatically when renew RX When Renew Rx, user request for the 'Start Date'	Refer to Quick Guide	10/1/16	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Resolution	Resolved Date	Verify Status
						<p>to be defaulted to the current date.</p> <p>2. Medication Order - Error appear when click save button</p> <p>User reported want to create order for drug Lovethyroxine Sodium 100mcg tablet for frequency D6-D7 (weekly). An error "Please contact your system admin" appear when user click save button after set dose schedule. But user inform when she print label, the label come out is correct as she have set in dose schedule but without days appear.</p> <p>Step: Transcribe order > add drug > choose frequency D6-D7 (weekly) > click "Dosage Schedule" button > set dose schedule > click save > error appear > Click OK > print label > label show correct data without days appear in label.</p>			
22	I-PhIS008872515S	Hospital Tanah Merah	Order Management - Mobile	17/2/15	OM Mobile	<p>Mobile Inpatient – Previous and Current Medication.</p> <p>Interaction not pop-up with previous and current medication for iPad version</p>	Refer to Quick Guide	13/1/16	
23	I-PhIS012156415S, I-PhIS008433814S	Hospital Seri Manjung	Order Management - Mobile	7/8/15	OM Mobile	<p>OM Mobile – Last Dose alert and disable stop reason</p> <p>1. Order Management – Order management - Alarm doctor on the last dose</p> <p>a. Need to alarm when the medication is at the last dose. If doctor was not careful enough to read the end date and time, the patient might not get the next dose before doctor re-prescribe it.</p> <p>2. OM Mobile - Request to remove the mandatory field for reason to stop order</p> <p>a. User request to remove the mandatory field for reason to stop order</p>	Refer to Quick Guide	5/1/16	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Resolution	Resolved Date	Verify Status
24	I- PhIS012210015S , I- PhIS012271115S , I- PhIS012156515S	Hospital Pakar Sultanah Fatimah, Hospital Tanah Merah, Hospital Seri Manjung	Order Management - Mobile	14/8/15	OM Mobile	<p>Order Management – Medication Profile Group Inpatient and Outpatient</p> <p>1. Medication Profile Mobile - Request to separate category between Clinic and Ward. User reported that medication at clinic and ward appear twice. And the doctor can't verified the prescription outpatient and prescription inpatient.</p> <ul style="list-style-type: none"> • Medication in MOPC • Medication in Ward <p>They request to separate category between Clinic and Ward.</p> <p>2. Med Profile - Request To Categorize Drug Between Inpatient And Outpatient. User reported it's hard to review the past medication if the inpatient and outpatient drug were mixed together. Categorize the inpatient and outpatient drug for better review for user.</p> <p>4. Order management Mobile - To group inpatient and outpatient visit. Request to group active order for inpatient and outpatient in active medication list. User in ward confuse with active medication that currently available for outpatient and not in ward.</p>	Refer to Quick Guide	13/1/16	
25	I- PhIS008785815S	Klinik Kesihatan Bandar Maharani	Order Management - Web	5/2/15	OM Web	<p>Medication profile- Request start date & end date supply duration</p> <p>User request start date & end date supply duration at dispensed drug detail.</p>	Refer to Quick Guide	22/12/15	
26	I- PhIS009818315S I- PhIS009818815S	Bahagian Perkhidmatan Farmasi (BPF)	Order Management - Web	15/5/15	OM Web	<p>OM – Medication Order Split Dose</p> <p>1. Medication order - Split dose To clear and dim the dosage field once dosing schedule is saved.</p> <p>2. Medication order - Renew Rx Alert</p>	Refer to Quick Guide	10/1/16	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Resolution	Resolved Date	Verify Status
						Renew Rx: - Suggest to tabulate all the details. (include important details: Drug name, dose & frequency, start date)			
27	I-PhIS012331515S	Hospital Seri Manjung	Order Management - Web	11/9/15	Medication Profile	Medication Profile – Appear different name for Order By 1. User report column 'Order by' at medication for transcribe order and clinical summary not same. At medication profile for transcribe order, column 'Order by' appear doctor name. But at medication profile for clinical summary, column 'Order by' appear pharmacist name. Can see it happen for drug Lactulose 3.35 g/5 ml Liquid.	Refer to Quick Guide	28/12/15	
28	I-PhIS013059516S	Klinik Kesihatan Jelapang	Order Management - Web	4/1/16	Medication Order-Request duration automatically follow first drug prescribed	User reported on Medication order Screen, once the first drug has been prescribed for 4 months, please make it automatically follow the previous duration of first drugs prescribed.	Refer to 4.1	15/2/15	
29	I-PhIS009823215S	Bahagian Perkhidmatan Farmasi (BPF)	Outpatient & Inpatient Pharmacy	15/5/15	Screening & Preparation	Screening & Preparation - Next collection date. 1. Next Collection Date should be blank after click Complete Supply button. a. When user click on 'Full Supply' and no balance available for that prescription, system should remove the next collection date. b. When user click on verify/prepare/dispense system should not ask for 'next collection date' 2. Apply to the following screens: a. transcribe order (screening) b. screening and verification c. preparation d. dispensing e. single stage	Refer to Quick Guide	11/3/16	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Resolution	Resolved Date	Verify Status
						3. Also apply the request below: a. Transcribe Order - User inform when do fully supply but supply duration and next collection not change. b. User change supply duration to 30 days but still not change.			
30	I-PhIS011040315S	Hospital Kulim	Outpatient & Inpatient Pharmacy	1/7/15	Drug Label	Print Label- transcribe label sequence is not in the order of the items. 1. User reported when do transcribe label, sequence is not in the order of the items.	Refer to Quick Guide	21/12/15	
31	I-PhIS009567815S , I-PhIS009231815S	JKWP Kuala Lumpur & Putrajaya, Hospital Seri Manjung	Outpatient Pharmacy	27/4/15	SPUB	SPUB – Display hold item and reprint SPUB R1 form 1. The situation as follow: a. User hold Salmeterol and Ipratropium inhalation drug for this patient because the patient still got many stock on his hand. b. But, when print SPUB form in dispensing screen, those hold drug not printed. c. Patient need to take all his drug at other clinic, if hold drug not appear, it will make things complicated. 2. Request to add function of reprint SPUB R1 form.	Refer to Quick Guide	5/1/16	
32	I-PhIS012279215S	Hospital Kulim	Outpatient Pharmacy	3/9/15	Transcribe Order - button Modify Order use at screen verification.	User request to enable the function for button Modify Order at screen verification. User Id : 871231146132 Order management>Transcribe Order>add patient>normal order(order drug) >click button confirm>screening and verification(intervention)	Allow user to modify the order in screening and verification screen	16/2/15	
33	I-PhIS012750415S , I-PhIS012750015S	Bahagian Perkhidmatan Farmasi (BPF)	Outpatient Pharmacy	13/11/15	Methadone Dispensing	Methadone Dispensing. 1. For Methadone in MTAC module, no need consent form. 2. Add function for Proceed to Counseling	Refer to Quick Guide	22/12/15	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Resolution	Resolved Date	Verify Status
	, I- PhIS012750115S , I- PhIS012750215S , I- PhIS012768815S , I- PhIS012768715S , I- PhIS007560415S					<p>Reporting same as existing function of Proceed to MTAC Reporting.</p> <p>3. To include M1M flag during transcribing or dispensing.</p> <p>a. In Transcribe order, add M1M flag. value to be saved into ph_medication_order</p> <p>b. In dispensing, add m1M flag. Value to be saved into ph_dispensing.</p> <p>4. To include section for user to do dose checking during dispensing. The value will be same with value in MTAC reporting screen.</p> <p>a. Value refer to = "ACTIVITY_INTERVENTION_ENGLISH"</p> <p>b. User can choose multiple value for every dispensing record.</p> <p>c. New table is required to keep this value. (link to ph_dispensing)</p> <p>5. Remove Invoice, worksheet, BMS, Full supply, Allocate buttons from Methadone dispensing screen.</p> <p>6. "Methadone Dispensing - New dataset for Dispense At:</p> <p>a. Pharmacy Counter (default)</p> <p>b. Ward</p> <p>c. Lockup</p> <p>d. Others</p> <p>7. Allow pharmacist to enter number of dose to allocate for DOT and TA.</p> <p>8. Medication order screen. Prescriber to select indicator for DOT & TA when create the order</p> <p>9. Methadone dispensing</p> <ul style="list-style-type: none"> • Dangerous drug approval required for first time dispensing only • To add new column DOT & TA column. This info 			



No	Ticket No	Facility	Module	Reported Date	Title	Description	Resolution	Resolved Date	Verify Status
						<p>enters by prescriber in order screen.</p> <ul style="list-style-type: none"> • Missed dose column, to compare with last supply date (end date). • Formula = current date-next collection date last record. (Duration * frequency) • Add additional reason for intervention reason (separate dataset from intervention reason in current intervention reason). • Collection details screen. To rearrange dispense method value. • Add shortcut button for MATC reporting. <p>10. Partial SPUB Apply to full based and Pharmacy based</p>			
34	I-PhIS010796415S I-PhIS010176315S I-PhIS012675415S I-PhIS012634015S	Hospital Seri Manjung, Hospital Pakar Sultanah Fatimah, Hospital Tanah Merah	Patient Management	5/6/15	Patient Management	<p>PM - Record Retrieval – Discharge After Office hour and Rerouting Issue.</p> <ol style="list-style-type: none"> 1. Record Retrieval – Reroute order from IP to OP When do re-route order from IP to OP, system should not consider ward stock flag in OP screen. 2. Order Routing – Emergency prescription flow to Outpatient Pharmacy Emergency patient will take discharge medication at Outpatient Pharmacy only during office hours and should flow to Satellite Pharmacy after office hours. But for this issue, emergency patient prescription still flow to Outpatient Pharmacy after office hours. Already make order routing to Satellite Pharmacy after office hours. When do re-route order from IP to OP, system should not consider ward stock flag in OP screen. 3. Screening & Verification – Change route problem: Changing of route of prescription from 'Farmasi Bekalan Wad' or 'Farmasi Satelite' will cause the 	Refer to Quick Guide	10/2/16	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Resolution	Resolved Date	Verify Status
						<p>stock item at those location not able to be processed in 'Farmasi Klinik Pakar' or 'Farmasi Kecemasan'. Thus label cannot be printed.</p> <p>4. Record Retrieval – Change dispense location: User change location Current Dispensing Location [FARMASI PESAKIT LUAR (KAUNTER)] to New Dispensing Location [FARMASI PESAKIT DALAM (FILLING)] at module Record Retrieval. After change user search at Pharmacy Transaction FARMASI PESAKIT DALAM (FILLING) at any screen IP and patient (RX) not found.</p> <p>5. PM – Record Retrieval: User request able to reroute if allocation has been done but to release it first.</p>			
35	I-PhIS007635714S	PKD Kinta	Pharmacy Inventory	18/9/14	Quotation	Add on 2 more field for 'Start Date' & 'End Date'. This 2 field is mandatory field. Automatically it will count the 'Quotation Validity Days'. No need to enter the 'Quotation Validity Days', make it this field as read only	Refer to Quick Guide	27/1/16	
36	I-PhIS010034315S I-PhIS010284315S I-PhIS012240615S	Bahagian Perkhidmatan Farmasi (BPF), Hospital Kulim, PKD Kinta	Pharmacy Inventory	1/6/15	Indent - Inter	Request for all External Indent to flow into RIQ and for Supplying Facility to be able to do Partial Supply (as in Internal Indent) User cannot compile all indent from other KK and cannot see detail for all KKs.	Refer to Quick Guide	22/2/16	
37	I-PhIS010580315S I-PhIS010284415S	Klinik Kesihatan Tanglin, Hospital Kulim	Pharmacy Inventory	22/6/15	Indent - Intra	Request for Intra Facility Indent to allow indent by selecting preferred items besides the configured default items.	Refer to Quick Guide	27/1/16	
38	I-PhIS012984915S	Bahagian Perkhidmatan Farmasi (BPF)	Pharmacy Inventory	20/12/15	Purchase Order - APPL	Request button Cancel Order remove from the screen for APPL Tab only. Currently this button is available once transaction is Save and status order = Approved. The reason of remove this button from aPPL tab to avoid user cancel this	Refer to Quick Guide	28/12/15	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Resolution	Resolved Date	Verify Status
						order in PHIS but at eP they already approved it. When this problem occurred , LPO cant flow to the facility due to status = Cancel.			
39	UAT Log	Bahagian Perkhidmatan Farmasi (BPF)	Pharmacy Inventory	22/10/15	Penalty Management	1. To allow user to create penalty records for incidents (PS1 to PS18) up to the flow of verification and payment in IWP 2. Penalty Verification after Incident created 3. Payment after verified the Penalty incident	Refer to T. Manual	22/2/16	
40	I-PhIS012240715S	PKD Kinta	Report/Enquiry	22/8/15	KEWPS 3	Quantity in tables inside KEWPS 3 report does not tally with the system. Added New Change: Change of period selection in KEWPS 3 screen from "Year From" and "Year To", to period selection by "YTD" or "Date Range" for more accuracy on report result.	Refer to Quick Guide	27/1/15	
41	I-PhIS012726315S	Pejabat Kesihatan Bahagian Sibul	Report/Enquiry	10/11/15	ABC Analysis	User request for "ABC Analysis" report to be generated by inventory categorization based on DRUG and not by ITEM as in the current report.	Refer to Quick Guide	31/12/15	
42	I-PhIS012792915S , I-PhIS012793515S , I-PhIS012793315S	Bahagian Perkhidmatan Farmasi (BPF)	Report/Enquiry	20/11/15	PF 6.8	Radiopharma Report/Enquiry 1. PF 6.8: Rename Total Application' to 'Total Request'. 2. Generator Elution: Display record with all status (not only Approved/Rejected). 3. PF 6.8 C: Jenis sediaan - e.g Jenis sediaan, Whole Body Scan, Ablation.	Refer to Quick Guide	30/12/15	
43	I-PhIS012983615S	Hospital Pakar Sultanah Fatimah	Report/Enquiry	20/12/15	Month End Total Stock Balance	Request to have this report for Month End report. please refer attached file.	Refer to Quick Guide	18/1/16	

Verified and Acknowledged By:



PHIS & CPS Project



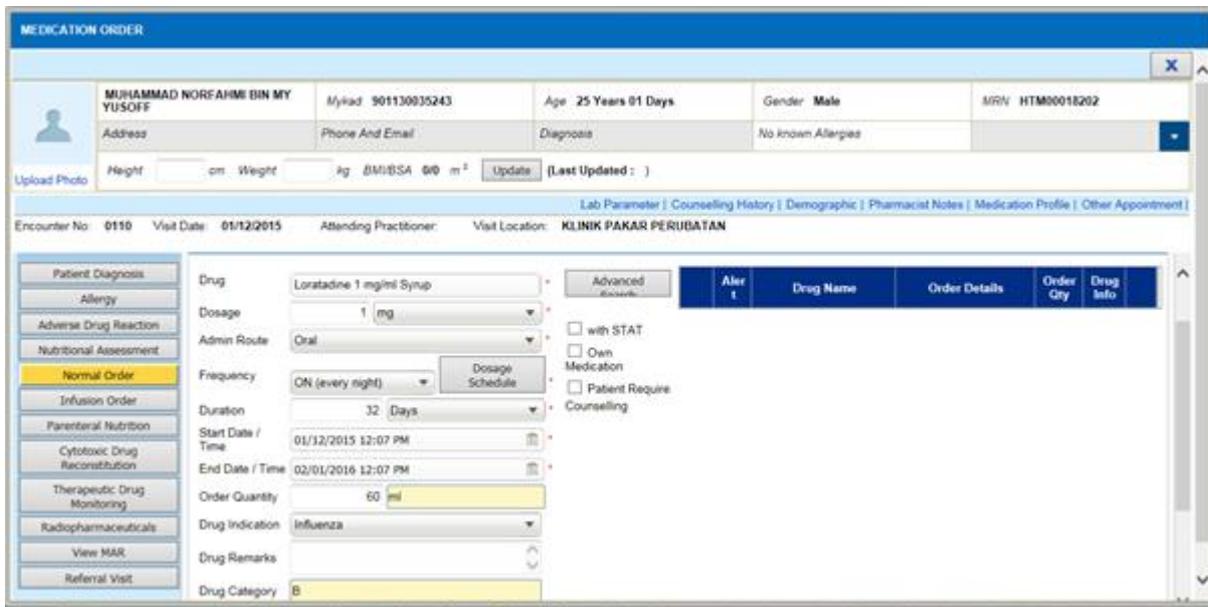
Signature: _____ Name: _____
Date: _____ Designation: _____

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

4 Refinement List – Detail Changes

4.1 Order Management – Medication Order

Ticket No	Module	Title	Description	Resolution
I-PHIS013059516 S	Order Management - Web	Medication Order-Request duration follow first drug prescribed	User reported on Medication order Screen, once the first drug has been prescribed for 4 months, please make it automatically follow the previous duration of first drugs prescribed.	implemented the Duration of the next drugs prescribed shall follow the same duration in that of the first drug entered



MEDICATION ORDER

MUHAMMAD NORFAHMI BIN MY YUSOFF Mykad: 901130035243 Age: 25 Years 01 Days Gender: Male MRN: HTM00018202

Address: Phone And Email: Diagnosis: No known Allergies

Encounter No: 0110 Visit Date: 01/12/2015 Attending Practitioner: Visit Location: KLINIK PAKAR PERUBATAN

Drug: Loratadine 1 mg/ml Syrup

Dosage: 1 mg

Admin Route: Oral

Frequency: ON (every night)

Duration: 32 Days

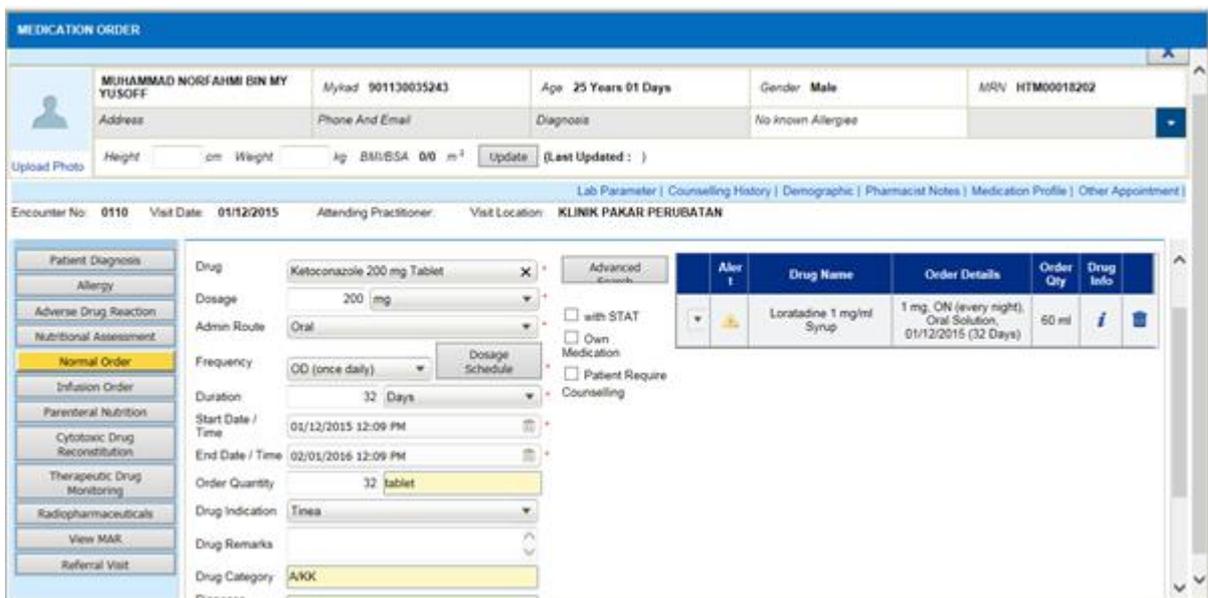
Start Date / Time: 01/12/2015 12:07 PM

End Date / Time: 02/01/2016 12:07 PM

Order Quantity: 60 ml

Drug Indication: Influenza

Drug Category: B



MEDICATION ORDER

MUHAMMAD NORFAHMI BIN MY YUSOFF Mykad: 901130035243 Age: 25 Years 01 Days Gender: Male MRN: HTM00018202

Address: Phone And Email: Diagnosis: No known Allergies

Encounter No: 0110 Visit Date: 01/12/2015 Attending Practitioner: Visit Location: KLINIK PAKAR PERUBATAN

Drug: Ketoconazole 200 mg Tablet

Dosage: 200 mg

Admin Route: Oral

Frequency: OD (once daily)

Duration: 32 Days

Start Date / Time: 01/12/2015 12:09 PM

End Date / Time: 02/01/2016 12:09 PM

Order Quantity: 32 tablet

Drug Indication: Tinea

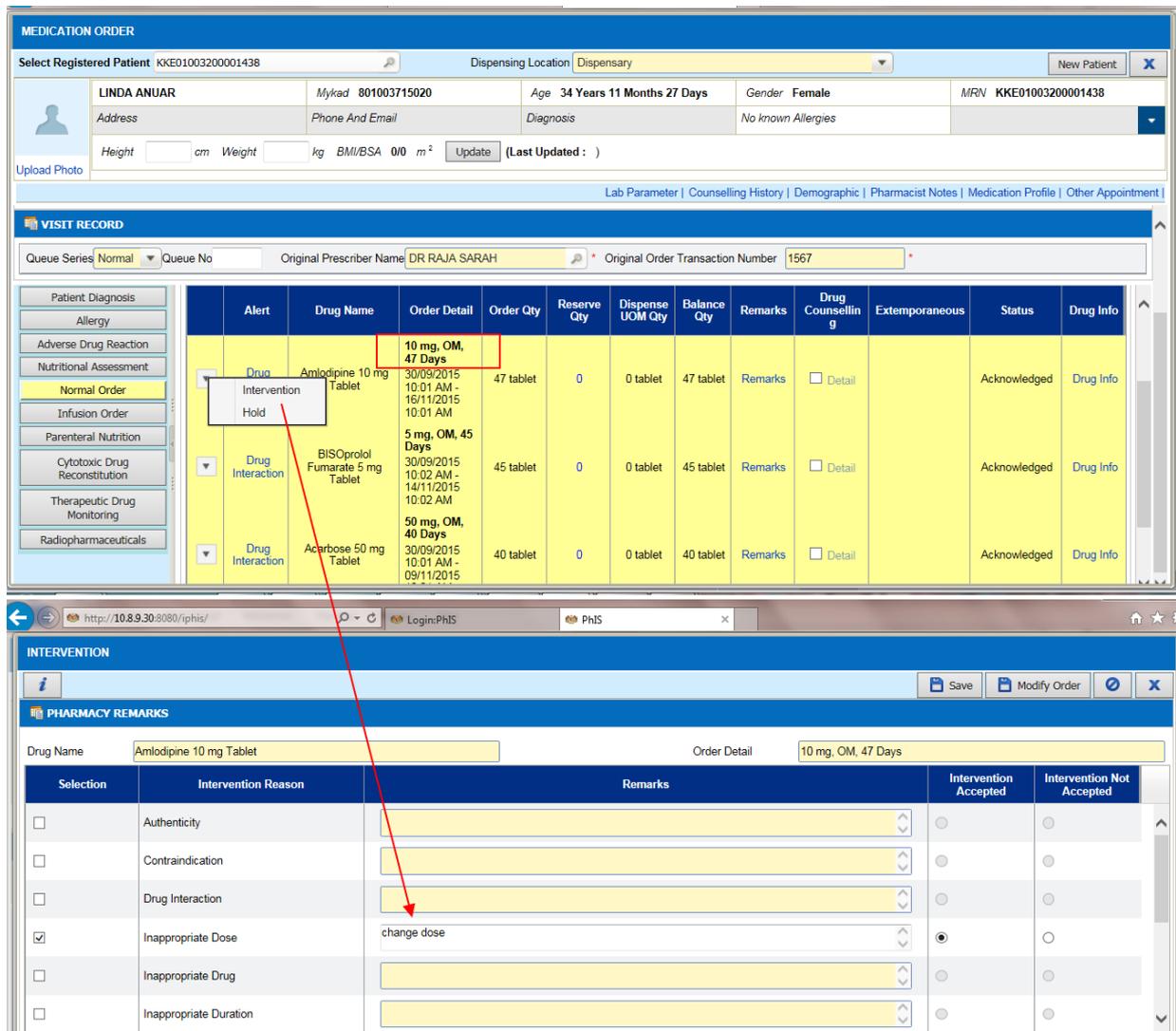
Drug Category: ANK

Order Summary Table:

Alert	Drug Name	Order Details	Order Qty	Drug Info
	Loratadine 1 mg/ml Syrup	1 mg, ON (every night), Oral Solution, 01/12/2015 (32 Days)	60 ml	

4.2 Outpatient Pharmacy – Transcribe Order

Ticket No	Module	Title	Description	Resolution
I-PHIS012279215 S	Outpatient Pharmacy	Transcribe Order - button Modify Order use at screen verification.	User request to enable the function for button Modify Order at screen verification. User Id : 871231146132 Order management>Transcribe Order>add patient>normal order(order drug) >click button confirm>screening and verification(intervention)	Allow user to modify the order in screening and verification screen



MEDICATION ORDER

Select Registered Patient: KKE01003200001438 Dispensing Location: Dispensary New Patient: X

PATIENT INFORMATION:
 Name: LINDA ANUAR Mykad: 801003715020 Age: 34 Years 11 Months 27 Days Gender: Female MRN: KKE01003200001438
 Address: _____ Phone And Email: _____ Diagnosis: _____ No known Allergies: _____
 Height: _____ cm Weight: _____ kg BMI/BSA: 0/0 m² Update (Last Updated:)

VISIT RECORD

Queue Series: Normal Queue No: _____ Original Prescriber Name: DR RAJA SARAH Original Order Transaction Number: 1567

Alert	Drug Name	Order Detail	Order Qty	Reserve Qty	Dispense UOM Qty	Balance Qty	Remarks	Drug Counselling	Extemporaneous	Status	Drug Info
Drug Intervention	Amlodipine 10 mg Tablet	10 mg, OM, 47 Days 30/09/2015 10:01 AM - 16/11/2015 10:01 AM	47 tablet	0	0 tablet	47 tablet	Remarks	<input type="checkbox"/> Detail		Acknowledged	Drug Info
Drug Interaction	BISOPROLOL Fumarate 5 mg Tablet	5 mg, OM, 45 Days 30/09/2015 10:02 AM - 14/11/2015 10:02 AM	45 tablet	0	0 tablet	45 tablet	Remarks	<input type="checkbox"/> Detail		Acknowledged	Drug Info
Drug Interaction	Acarbose 50 mg Tablet	50 mg, OM, 40 Days 30/09/2015 10:01 AM - 09/11/2015	40 tablet	0	0 tablet	40 tablet	Remarks	<input type="checkbox"/> Detail		Acknowledged	Drug Info

INTERVENTION

Drug Name: Amlodipine 10 mg Tablet Order Detail: 10 mg, OM, 47 Days

Selection	Intervention Reason	Remarks	Intervention Accepted	Intervention Not Accepted
<input type="checkbox"/>	Authenticity		<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Contraindication		<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Drug Interaction		<input type="radio"/>	<input type="radio"/>
<input checked="" type="checkbox"/>	Inappropriate Dose	change dose	<input checked="" type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Inappropriate Drug		<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Inappropriate Duration		<input type="radio"/>	<input type="radio"/>



INTERVENTION				
Selection	Intervention Reason	Remarks	Intervention Accepted	Intervention Not Accepted
<input type="checkbox"/>	Authenticity		<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Contraindication		<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Drug Interaction		<input type="radio"/>	<input type="radio"/>
<input checked="" type="checkbox"/>	Inappropriate Dose	change dose	<input checked="" type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Inappropriate Drug		<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Inappropriate Duration		<input type="radio"/>	<input type="radio"/>

MODIFY ORDER

Drug	Amlodipine 10 mg Tablet	Dosage Form	Oral Tablet
Dosage	5 mg	Admin Route	Oral
Frequency	OM (every morning) <small>Dosage Schedule</small>	Duration	47 Days
Order Quantity	24 tablet	Dispense Location	Dispensary
Start Date Time	30/09/2015 10:01 AM	End Date Time	16/11/2015 10:01 AM
Drug Remarks		Drug Indication	High Blood Pressure

MEDICATION ORDER

Select Registered Patient: KKE01003200001438 Dispensing Location: Dispensary New Patient:

LINDA ANUAR	Mykad 801003715020	Age 34 Years 11 Months 27 Days	Gender Female	MRN KKE01003200001438
Address	Phone And Email	Diagnosis	No known Allergies	
Height <input type="text"/> cm	Weight <input type="text"/> kg	BMI/BSA 0/0 m ²	Update (Last Updated :)	

Upload Photo [Lab Parameter](#) | [Counselling History](#) | [Demographic](#) | [Pharmacist Notes](#) | [Medication Profile](#) | [Other Appointment](#)

VISIT RECORD

Queue Series: Normal Queue No: Original Prescriber Name: DR RAJA SARAH * Original Order Transaction Number: 1567

Drug Interaction	Drug	Dose	Frequency	Duration	Order Qty	Start Date / Time	End Date / Time	Reason	Other Reason	Status	Action
Drug Interaction	Amlodipine 10 mg Tablet	5 mg, OM, 47 Days	OM	47 Days	24 tablet	30/09/2015 10:01 AM - 16/11/2015 10:01 AM				Acknowledged	Drug Info
Drug Interaction	BISoprolol Fumarate 5 mg Tablet	5 mg, OM, 45 Days	OM	45 Days	45 tablet	30/09/2015 10:02 AM - 14/11/2015 10:02 AM				Acknowledged	Drug Info
Drug Interaction	Acarbose 50 mg Tablet	50 mg, OM, 40 Days	OM	40 Days	40 tablet	30/09/2015 10:01 AM - 09/11/2015 10:01 AM				Acknowledged	Drug Info
		1 capsule, QID, 42 Days									

ORIGINAL RX

Drug Code: C08CAD1000T1002XX Default SKU: tablet

Drug Name: Amlodipine 10 mg Tablet

Dose	Frequency	Duration	Order Qty	Start Date / Time	End Date / Time	Reason	Other Reason
10 mg	OM	47 Days	47 tablet	30/09/2015 10:01 AM	16/11/2015 10:01 AM	Inappropriate Dose	

Note:

The solution for other requests are explained in quick guide document, please refer to the following quick guide document.

1. PhIS_CPS_Quick_Guide_1.4.1_ABC Analysis v1.0
2. PhIS_CPS_Quick_Guide_1.4.1_APPL Purchase Order v1.0
3. PhIS_CPS_Quick_Guide_1.4.1_Inter Facility Indent v1.0
4. PhIS_CPS_Quick_Guide_1.4.1_Intra Facility Indent v1.0
5. PhIS_CPS_Quick_Guide_1.4.1_INV_Prepacking_1.0
6. PhIS_CPS_Quick_Guide_1.4.1_IWP DST v1.0
7. PhIS_CPS_Quick_Guide_1.4.1_IWP Item Master v1.0
8. PhIS_CPS_Quick_Guide_1.4.1_KEWPS 3 v1.0
9. PhIS_CPS_Quick_Guide_1.4.1_MANF_Galenical_1.0
10. PhIS_CPS_Quick_Guide_1.4.1_MANF_RP Appointment_1.0
11. PhIS_CPS_Quick_Guide_1.4.1_MANF_RP Dispensing_1.0
12. PhIS_CPS_Quick_Guide_1.4.1_MANF_RP Generator Elution_1.0
13. PhIS_CPS_Quick_Guide_1.4.1_MANF_RP Kit Preparation_1.0
14. PhIS_CPS_Quick_Guide_1.4.1_MANF_RP Maintenance Facility_1.0
15. PhIS_CPS_Quick_Guide_1.4.1_MANF_RP Maintenance IWP_1.0
16. PhIS_CPS_Quick_Guide_1.4.1_MANF_RP Order_Transcribe Order_v1.0
17. PhIS_CPS_Quick_Guide_1.4.1_MANF_RP Outsource_v1.0
18. PhIS_CPS_Quick_Guide_1.4.1_MANF_RP Report Enquiry_v1.0
19. PhIS_CPS_Quick_Guide_1.4.1_MANF_RP Stock Verification_v1.0
20. PhIS_CPS_Quick_Guide_1.4.1_MAR_Mobile_v1.0
21. PhIS_CPS_Quick_Guide_1.4.1_MAR_Web_v1.0
22. PhIS_CPS_Quick_Guide_1.4.1_Methadone_v1.0
23. PhIS_CPS_Quick_Guide_1.4.1_Month End Total Stock Balance_v1.0
24. PhIS_CPS_Quick_Guide_1.4.1_OPIP_v1.0
25. PhIS_CPS_Quick_Guide_1.4.1_Order Mgmt Mobile_v1.0
26. PhIS_CPS_Quick_Guide_1.4.1_Order Mgmt Web_v1.0
27. PhIS_CPS_Quick_Guide_1.4.1_Patient Mgmt_v1.0
28. PhIS_CPS_Quick_Guide_1.4.1_Quotation Validity Days v1.0
29. PhIS_CPS_Quick_Guide_1.4.1_TDM_Calculator_Layout_v1.0
30. PhIS_CPS_Quick_Guide_1.4.1_TDM_Calculator_Vancomycin_v1.0
31. H_T.Manual_Inv_Penalty-v2.1 (PS1 – PS10)
32. H_T.Manual_Inv_Penalty-v2.1 (PS11A – PS18)

5 Deployment - Procedures

5.1 List of Items to be Deployed

No.	Items	Components	Path
1	HQ Patch Script	PatchScripts_IWP_v1.4.1.txt PatchScripts_IWP_v1.4.1_Functions.txt	https://10.8.9.130:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS ReleaseV1.4.1/hq/scripts
2	HQ Application	phishq_v1.4.1.war	https://10.8.9.130:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS ReleaseV1.4.1/hq/war
3	HQ Patch Script	PatchScripts_PhIS_Immediate_v1.4.1.txt	https://10.8.9.130:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS ReleaseV1.4.1/hq/war
4	Facility Patch Script	PatchScripts_PhIS_v1.4.1.txt PatchScripts_PhIS_v1.4.1_DataPatch.txt PatchScripts_PhIS_v1.4.1_Function.txt PatchScripts_PhIS_v1.4.1_HPSF.txt PatchScripts_PhIS_v1.4.1_HSM.txt PatchScripts_PhIS_v1.4.1_HKM.txt PatchScripts_PhIS_v1.4.1_HTM.txt PatchScripts_PhIS_v1.4.1_HMiri.txt PatchScripts_PhIS_v1.4.1_HKulim.txt PatchScripts_PhIS_v1.4.1_HRC.txt PatchScripts_PhIS_v1.4.1_KKGT.txt	https://10.8.9.130:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS ReleaseV1.4.1/facility/scripts
5	Facility Application	iphis_v1.4.1.war	https://10.8.9.130:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS ReleaseV1.4.1/facility/war
6	Facility Application	PhISService_v1.4.1.war	https://10.8.9.130:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS ReleaseV1.4.1/facility/war
7	Mobile Application	ipadhosp-1.4.0b37-PhISDS.war	https://10.8.9.130:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS ReleaseV1.4.1/Mobile

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.txt PatchScripts_PhIS_v1.4.1_DataPatch.txt PatchScripts_PhIS_v1.4.1_Function.txt PatchScripts_PhIS_v1.4.1_HPSF.txt PatchScripts_PhIS_v1.4.1_HSM.txt PatchScripts_PhIS_v1.4.1_HKM.txt PatchScripts_PhIS_v1.4.1_HTM.txt PatchScripts_PhIS_v1.4.1_HMiri.txt PatchScripts_PhIS_v1.4.1_HKulim.txt PatchScripts_PhIS_v1.4.1_HRC.txt PatchScripts_PhIS_v1.4.1_KKGT.txt	https://10.8.9.130:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS ReleaseV1.4.1/facility/scripts	Please ensure all the script is execute before iphis.war deploy. Please ensure the script is executed in sequence. Script files 1 & 3 Execute as pgScript and other two Run as highlight the Script and press (F5)
2	Facility Application	iphis_v1.4.1.war	https://10.8.9.130:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS ReleaseV1.4.1/facility/war	Please rename the war file from iphis_v1.4.1.war to iphis.war then deploy.
3	Facility Application	PhISService_v1.4.1.war	https://10.8.9.130:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS ReleaseV1.4.1/facility/war	Please rename the war file from PhISService_v1.4.1.war to PhISService.war then deploy.

Step	Items	File Name	Source Path	Action
4	Mobile Application	ipadhosp-1.4.0b37-PhISDS.war	https://10.8.9.130:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS ReleaseV1.4.1/Mobile	Rename ipadhosp-1.4.0b37-PhISDS.war to ipadhosp.war and deploy. Frontend Apps: 1.4.0r1t36 Backend Apps: 1.4.0b37

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.txt	https://10.8.9.130:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS ReleaseV1.4.1/hq/scripts	Please ensure all the script is execute before phishq.war deploy.
2	HQ Application	phishq_v1.4.1.war	https://10.8.9.130:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS ReleaseV1.4.1/hq/war	Rename the war file from phishq_v1.4.1.war to phishq.war then Deploy using Glassfish Administration Console
3	HQ Patch Script	PatchScripts_PhIS_Immediate_v1.4.1.txt	https://10.8.9.130:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS ReleaseV1.4.1/hq/war	Execute this patch script in all current production facilities. Execute as pgScript.(F6) in pgAdmin. This file must run in all current production facilities immediate after release IWP, and this should be done with in 15 min span.