



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

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## Release Note

For version 2.6.3.6

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### Revision History

Version No	Date of Release	Prepared by	Reviewed / Verified by	List of changes from Previous Version
1.0	17/11/2023	Mohd Hilmi Mohamad	Zainura Said	First Version

### Verified and Acknowledged by:

Name	Role/Designation	Organization	Signature & Date
Zainura Said	Team Leader	Pharmaniaga Logistics Sdn Bhd	
Hoh Choon Seng	Project Manager	Pharmaniaga Logistics Sdn Bhd	

Name	Role/Designation	Organization	Signature &Date
		Program Perkhidmatan Farmasi (PPF), KKM	
		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	:	2.6.3.6
Client Name	:	Ministry of Health
Release ID	:	RL23/022
Release Date	:	17/11/2023

### 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

N/A

### 3.2 Resolved Defect List

The following are the summary of resolved issue list that included in PhIS and CPS version 2.6.3.6.

No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date
1.	I-PhIS097008523A PP	Pejabat Kesihatan Daerah Sepang (B)	Pharmacy Inventory	14/06/2023	Disseminate – Notification not listed at home page	Puan Rohani reported notification for disseminate not appear at notification screen, as confirmed by user the notification appears at KK Salak.  Notification No: NO23000043 ID: 87042235XXXX	Issue happens due to data volume at IWP whereby there were many facility notifications with the 'Open' status, and it has caused job become hang and data were not able to be pushed to facilities. Synchronization method for notification has been changed to make sure system is able to cope with huge volume of notification data.	25/10/2023
2.	I-PhIS098320423A PP	Hospital Raja Permaisuri Bainun (A)	Outpatient Pharmacy	07/05/2023	Drug label – Dose appear in decimal	Puan Quraisyah informed that for Rx NEU0002175747, label printed for drug H01BA02122T1002XX shows in decimal (1.5 tablet).  As for drug H03AA01520T1002XX, label printed shows in fractional (1 1/2 tablet).  How user is able to set so that H01BA02122T1002XX to show in fractional number in drug label as well. Kindly advise.  V2621	Wrong condition was implemented during conversion method for drug dosage with fractional value, and this has caused system to display the dose in decimal form instead of in fractional form.	02/10/2023
3.	I-PhIS104567423A	Hospital Miri (A)	Outpatient	11/10/2023	SPUB R1 Form – Missing 'Tarikh	Miss Ng reported 'Tarikh Temujanji	Missing condition to populate the 'TCA Date'	31/10/2023



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date
	PP		Pharmacy		Temujanji Doktor' value	Doktor' is not appeared in R1. Email: TARIKH TEMUJANJI DOKTOR TIDAK DIJUMPAI DALAM DOWNLOADED R1	value during printing SPUB R1 form at Screening & Verification, Preparation and SPUB Patient List screens.	
4.	I-PhIS101140923A PP	Hospital Umum Sarawak (A)	Outpatient Pharmacy	17/08/2023	Missing Rx - Not available at Screening/Preparation - POMS	Cik Adeline requested to check reserve quantity for following items:  Unit name: Inpatient counter Drug code: J06BB05000P3001a Reserve quantity: 7 Drug code: J07BG01000P4001XX Reserve quantity: 9 User informed there is no prepacking or work order transaction done for the items.	Incorrect condition was applied in the expired drug scheduler. Previously system was wrongly inactivating the prescription record at all dispensing screens if the prescription is only having POMS drug (even drug is not yet expired).	10/11/2023
5.	I-PhIS103165023A PP	Klinik Kesihatan Bintulu (B)	Clinical Pharmacokinetic Services (CPS) & TDM	19/09/2023	TDM – Not received External TDM Order	Miss Michelle reported, external facility does not receive external TDM from KK Bintulu but receive from other facility.  KK Bintulu sent to Hosp Miri TDM number: 2300000011	System was wrongly updating the 'Outsource Status' value as null during TDM integration. Due to this null value, record cannot be retrieved correctly at receiving facility.	21/09/2023
6.	I-PhIS101454323A PP	Hospital Pakar Sultanah Fatimah (A)	Ward Pharmacy	22/08/2023	CP1 – Missing data after printing hardcopy	Miss Onn reported data missing for patient. User informs already key in many times, print hard copy but when reopen, all data missing. User informs not happened to all patients.	Wrong method was introduced in code when patient has allergy with drug, and this has caused error during populating drug value at prescription	03/10/2023



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date
						User provides 1 sample: MRN: 28982   Lok Sook Cheo @ Lok Kok See	medication listing.	
7.	I- PhIS105003623A PP	Klinik Kesihatan Tawau (A)	Report Enquiry	18/10/2023	Drug Usage by Patient – Data generated is inconsistent	En Radin reported that Drug Usage by Patient report took more than 1 minute to be generated. Issue starts to happen after facility is using V2634.  Sample of Drug Code that user used to generate the report: Drug Code: A10AE04000P5002a Insulin glargine (Toujeo) 300 IU/ml Pre-filled Pen (1.5ml)	There was a query problem when data from transaction table are transferred into report staging table, and this has caused inconsistency on the search result every time the search button is clicked.	03/11/2023
8.	I- PhIS090124823A PP	Hospital Gerik (A)	Report Enquiry	15/02/2023	PF 6.3(a) – CP4 no value	Puan Syafikah reported no data at CP4 column when user generate PF 6.3(a) report for Jan 2023.	Incorrect query was applied in report summary to calculate the value for CP4 (Intra-Facility), CP4 (Hospital) and CP4 (KK) columns.	25/09/2023
9.	I- PhIS104467823A PP	Hospital Tengku Ampuan Afzan (A)	Report Enquiry	10/10/2023	PF 6.4 - Data not generated	Puan Najmul reported when generating PF 6.4 report, no data is generated.  Month: September User able to generate other reports.	Wrong query was applied in summary procedure. The query to check the normal and infusion drugs are triggered at the same time and this has caused data cannot be retrieved correctly.	09/11/2023



## 4 Refinement List – Detail Changes

N/A



## 5 Deployment - Procedures

### 5.1 List of Items to be Deployed

No.	Items	Components	Path
1	Facility Script	PatchScripts_PHIS_V2.6.3.6.txt	<a href="https://10.1.1.57:5522/svn/PhIS/Workspa ce_Dataware/31_Implementation/Applic ations/PHIS_ReleaseV2.6.3.6/facility/scrip ts">https://10.1.1.57:5522/svn/PhIS/Workspa ce_Dataware/31_Implementation/Applic ations/PHIS_ReleaseV2.6.3.6/facility/scrip ts</a>
2	Facility Application	iphis_v2.6.3.6.war	<a href="https://10.1.1.57:5522/svn/PhIS/Workspa ce_Dataware/31_Implementation/Applic ations/PHIS_ReleaseV2.6.3.6/facility/war">https://10.1.1.57:5522/svn/PhIS/Workspa ce_Dataware/31_Implementation/Applic ations/PHIS_ReleaseV2.6.3.6/facility/war</a>
3	Facility Application	PHISService_v.2.6.3.6.war	<a href="https://10.1.1.57:5522/svn/PhIS/Workspa ce_Dataware/31_Implementation/Applic ations/PHIS_ReleaseV2.6.3.6/facility/war">https://10.1.1.57:5522/svn/PhIS/Workspa ce_Dataware/31_Implementation/Applic ations/PHIS_ReleaseV2.6.3.6/facility/war</a>
4	Facility Application	PHISSchedulers_v.2.6.3.6.jar	<a href="https://10.1.1.57:5522/svn/PhIS/Workspa ce_Dataware/31_Implementation/Applic ations/PHIS_ReleaseV2.6.3.6/facility/jar">https://10.1.1.57:5522/svn/PhIS/Workspa ce_Dataware/31_Implementation/Applic ations/PHIS_ReleaseV2.6.3.6/facility/jar</a>
5	Facility Application	phis_Email_v2.6.3.6.jar	<a href="https://10.1.1.57:5522/svn/PhIS/Workspa ce_Dataware/31_Implementation/Applic ations/PHIS_ReleaseV2.6.3.6/facility/jar">https://10.1.1.57:5522/svn/PhIS/Workspa ce_Dataware/31_Implementation/Applic ations/PHIS_ReleaseV2.6.3.6/facility/jar</a>
6	Facility Application	phis_Cd_V2.6.3.6.jar	<a href="https://10.1.1.57:5522/svn/PhIS/Workspa ce_Dataware/31_Implementation/Applic ations/PHIS_ReleaseV2.6.3.6/facility/jar">https://10.1.1.57:5522/svn/PhIS/Workspa ce_Dataware/31_Implementation/Applic ations/PHIS_ReleaseV2.6.3.6/facility/jar</a>
7	Facility Application	phis_MyMaat_v2.6.3.6.jar	<a href="https://10.1.1.57:5522/svn/PhIS/Workspa ce_Dataware/31_Implementation/Applic ations/PHIS_ReleaseV2.6.3.6/facility/jar">https://10.1.1.57:5522/svn/PhIS/Workspa ce_Dataware/31_Implementation/Applic ations/PHIS_ReleaseV2.6.3.6/facility/jar</a>
8	Facility Application	phisIntegration.properties	<a href="https://10.1.1.57:5522/svn/PhIS/Workspa ce_Dataware/31_Implementation/Applic ations/PHIS_ReleaseV2.6.3.6/facility/jar">https://10.1.1.57:5522/svn/PhIS/Workspa ce_Dataware/31_Implementation/Applic ations/PHIS_ReleaseV2.6.3.6/facility/jar</a>
9	Mobile Application	iphismobile_user_v2.6.3.6.war	<a href="https://10.1.1.57:5522/svn/PhIS/Workspa ce_Dataware/31_Implementation/Applic ations/PHIS_ReleaseV2.6.3.6/facility/war">https://10.1.1.57:5522/svn/PhIS/Workspa ce_Dataware/31_Implementation/Applic ations/PHIS_ReleaseV2.6.3.6/facility/war</a>
10	Mobile Application	phisAPI_v2.6.3.6.war	<a href="https://10.1.1.57:5522/svn/PhIS/Workspa ce_Dataware/31_Implementation/Applic ations/PHIS_ReleaseV2.6.3.6/facility/war">https://10.1.1.57:5522/svn/PhIS/Workspa ce_Dataware/31_Implementation/Applic ations/PHIS_ReleaseV2.6.3.6/facility/war</a>
11	Mobile Application	lpadhosp-2.6.3.6.0b08.war	<a href="https://10.1.1.57:5522/svn/PhIS/Workspa ce_Dataware/31_Implementation/Applic ations/PHIS_ReleaseV2.6.3.6/Mobile">https://10.1.1.57:5522/svn/PhIS/Workspa ce_Dataware/31_Implementation/Applic ations/PHIS_ReleaseV2.6.3.6/Mobile</a>
12	HQ Script	PatchScripts2.6.3.6_IWP.txt	<a href="https://10.1.1.57:5522/svn/PhIS/Workspa ce_Dataware/31_Implementation/Applic ations/PHIS_ReleaseV2.6.3.6/iwp/scripts">https://10.1.1.57:5522/svn/PhIS/Workspa ce_Dataware/31_Implementation/Applic ations/PHIS_ReleaseV2.6.3.6/iwp/scripts</a>
13	HQ Application	phishq_v2.6.3.6.war	<a href="https://10.1.1.57:5522/svn/PhIS/Workspa ce_Dataware/31_Implementation/Applic">https://10.1.1.57:5522/svn/PhIS/Workspa ce_Dataware/31_Implementation/Applic</a>



No.	Items	Components	Path
			ations/PHIS_ReleaseV2.6.3.6/iwp/war
14	HQ Application	masterRelease_v2.6.3.6.jar	https://10.1.1.57:5522/svn/PhIS/Workspa ce_Dataware/31_Implementation/Applic ations/PHIS_ReleaseV2.6.3.6/iwp/jar
15	HQ Application	epservice_v2.6.3.6.war	https://10.1.1.57:5522/svn/PhIS/Workspa ce_Dataware/31_Implementation/Applic ations/PHIS_ReleaseV2.6.3.6/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	PatchScripts_PhIS_V2.6.3.6.txt	https://10.1.1.57:5522/svn/P hIS/Workspace_Dataware/3 1_Implementation/Applicati ons/PHIS_ReleaseV2.6.3.6/fa cility/scripts	Please ensure all the script is execute before iphis.war deploy. Please ensure the script is executed in sequence. Script files highlight and execute.
2	Facility Application	iphis_v2.6.3.6.war	https://10.1.1.57:5522/svn/P hIS/Workspace_Dataware/3 1_Implementation/Applicati ons/PHIS_ReleaseV2.6.3.6/fa cility/war	Please rename the war file to iphis.war then deploy.
3	Facility Application	PhISService_v.2.6.3.6.war	https://10.1.1.57:5522/svn/P hIS/Workspace_Dataware/3 1_Implementation/Applicati ons/PHIS_ReleaseV2.6.3.6/fa cility/war	Please rename the war file to PhISService.war then deploy.
4	Facility Application	PhISSchedulers_v.2.6.3.6.jar	https://10.1.1.57:5522/svn/P hIS/Workspace_Dataware/3 1_Implementation/Applicati ons/PHIS_ReleaseV2.6.3.6/fa	Backup jar file from /home/phisesb/phisjars/ and copy downloaded jar and



Step	Items	File Name	Source Path	Action
			cility/jar	rename to PHISSchedulers.jar. Then Restart crontab.
5	Facility Application	phis_Email_v2.6.3.6.jar	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.6/facility/jar	Backup jar file from /home/phisesb/phisjars/ and copy downloaded jar and rename to phis_Email.jar. Then Restart crontab.
6	Facility Application	phis_Cd_V2.6.3.6.jar	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.6/facility/jar	Backup jar file from /home/phisesb/phisjars/ and copy downloaded jar and rename to phis_Cd.jar. Then Restart crontab.
7	Facility Application	phis_MyMaat_v2.6.3.6.jar	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.6/facility/jar	Backup jar file from /home/phisesb/phisjars/ and copy downloaded jar and rename to phis_MyMaat.jar. Then Restart crontab.
8	Facility Application	phisIntegration.properties	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.6/facility/jar	/home/phisesb/phisbackprops/ and copy downloaded phisIntegration.properties and configure facility db details in properties file.
9	Mobile Application	iphismobile_user_v2.6.3.6.war	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.6/facility/war	Rename iphismobile_user_v2.6.3.6.war to iphismobile_user.war and deploy.
10	Mobile Application	phisAPI_v2.6.3.6.war	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.6/facility/war	Rename phisAPI_v2.6.3.6.war to phisAPI.war and deploy.
11	Mobile Application	lpadhosp-2.6.3.6.0b08.war	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.6/Mobile	Rename ipadhosp-2.6.3.6.0b08.war to ipadhosp.war and deploy. - Mobile Frontend: 2.6.3.6.0r18 - Mobile Backend: 2.6.3.6.0b08



### 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	PatchScripts2.6.3.6_IWP.txt	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.6/iwp/scripts	Please ensure all the script is execute before phishq.war deploy. Please ensure the script is executed in sequence.
2	HQ Application	phishq_v2.6.3.6.war	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.6/iwp/war	Rename the war file from phishq_v2.6.3.6.war to phishq.war then Deploy using Glassfish Administration Console
3	HQ Application	masterRelease_v2.6.3.6.jar	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.6/iwp/jar	Rename the jar file from masterRelease_v2.6.3.6.jar to masterRelease.jar and copy to directory '/home/phisesb/phisjars' Then restart the crontab.
4	HQ Application	epservice_V2.6.3.6.war	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.6/iwp/war	Rename the war file from epservice_V2.6.3.6.war to epservice.war then deploy.