



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

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## Release Note

**For version 2.6.1.6**

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### Revision History

Version No	Date of Release	Prepared by	Reviewed / Verified by	List of changes from Previous Version
1.0	15/11/2022	Mohd Hilmi Mohamad	Zainura Said	First Version

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### Peer Review

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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	:	2.6.1.6
Client Name	:	Ministry of Health
Release ID	:	RL22/018
Release Date	:	15/11/2022

### 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 2.6.1.6.

No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date
1.	I- PhIS075248922A PP	Klinik Kesihatan Cheras (A)	Pharmacy Inventory	21/04/2022	Receive Inter Facility - Unable to proceed receiving - Different Unit	User Pn Mila reported unable to proceed receive inter facility from PK Cheras due to indent no. does not appear. Confirmed by user, PK Cheras already issue to KK Cheras yesterday.  Indent No.: R22000178  Issue no.: N02PS001-0004542	No validation was implemented when approver's unit was changed during approval function in Indent screen	16/06/2022
2.	I- PhIS081652622S	Pejabat Farmasi Bahagian Sri Aman (B) (PSV)	Pharmacy Inventory	24/02/2022	Tasklist IWP - Payment done but still appearing - receiving for return item	Email from user, Payment done but still appearing in Tasklist  CO21000000308212  Please also check for  CO21000000464979  CO21000000501978  Both these two LPO already fully paid last year. However, there was a product recall, then we returned it to supplier. When supplier returned the stocks, it got added into the quantity received and appeared back in tasklist. Please clear it off.	Issue happens due to when do receiving from supplier for valid LPO, facility site was wrongly sent the message to IWP to create tasklist for payment regardless of for normal supplier receiving or return receiving even LPO is already done the payment.	29/03/2022
3.	I- PhIS075550722A PP	Klinik Kesihatan Peringgit (A)	Pharmacy Inventory	28/04/2022	Payment (IWP) - Unable to proceed	Log issue: Year 2021 IWP pending task list	Issue happens due to carry forward flag was changed to YES in Vote	19/07/2022



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date
					with payment - Carry Forward	Below listed are year 2021 transactions that are still pending in our task list. When we clicked to clear the task, some error popped up. Below are the related details. Please assist, thank you.	Code screen after YEP has been run and this has caused system was searching for wrong vote code information when proceed with the payment	
4.	I- PHIS081063622S	Pejabat Kesihatan Titiwangsa (B)	Pharmacy Inventory	07/01/2022	Purchase Order – Vote code not appear, master data able to edit at facility level	Received email from user, unable to purchase order due to vote code not appear. Kindly refer user attachment for reference. Details as below: J01CF02520C1002XX.02	Issue happens due to: 1. System allows to edit vote code status at facility for KK/PKD environment. 2. KK/PKD user able to approve allocation/deduction/virement at facility level. Supposedly, any changes on vote code or approved allocation/deduction/virement can only be made by PKD at IWP and not allow to edit at facility level.	14/02/2022
5.	I- PHIS081831722S	Pejabat Kesihatan Lembah Pantai (B)	Pharmacy Inventory	16/03/2022	Unable to proceed payment – Purchase Order (APPL) - Duplicate item concurrent user	Puan Izzati reported unable to proceed payment. popup "payment not fully receive". Confirmed by Pn Izzati, facility already full receive in phis, no replacement item.  APPL LPO No.: KK Tanglin CO220000000130844	Concurrent user validation was not properly handled inside Purchase Order screen	07/04/2022



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date
						KK Petaling Bahagia CO220000000130670		
6.	I- PhIS083188322A PP	Hospital Pakar Sultanah Fatimah (A)	Patient Management	17/10/2022	Slow Processing Exceed Benchmark (Vital Sign issue)	Pn Miza reported phis slow processing exceed benchmark at patient registration screen. To save visit for follow up prescription. Happen to all user id, all pc but happen to several patient. User needs to refresh PhIS every time processing occur. Location: Klinik Pakar Perubatan	Irrelevant internal integration was implemented for Vital Sign in system, and this has impacted to system performance and resources	01/11/2022
7.	I- PhIS083486022A PP	Hospital Pakar Sultanah Fatimah (A)	Outpatient Pharmacy	23/10/2022	Dispensing – Drug Label screen appear Error	Pn.Faizah reported printer print drug label twice for several transaction. User notice issue happen when there two batch allocate in the transaction and printer will print the drug label double. Affected MRN: MRN: 18450 - Potassium 600 mg 12511 - Frusemite 40mg tablet 77202 - Chlobetasone butyrate 0.05% cream Issue is updated to Bug due to error when opening Drug Label screen which caused by Coding Issue on Insulin or IV drugs drug name.	Issue happens due to drug name length inside database can only store up until 30 characters, but this drug name length is having more than 30 characters.	08/11/2022
8.	I- PhIS083713422A PP	Hospital Miri (A)	Inpatient Pharmacy	27/10/2022	Screening & Verification - Screen appear at below and	User reported for 1 prescription for drug with status tapering system not auto allocate, user have manual	Issue with the POMs checkbox value for taper drugs. By default, value is	04/11/2022



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date
					got unknown exception error - POMS	allocate and after user able to allocate drug, user inform when user click on print label appear error, please contact your system admin MRN: 187759 (Pulowan) RX no: FSW0002186909	set to null whereas coding does not have null checking	
9.	I- PHIS084480922A PP	Klinik Kesihatan Greentown (A)	MTAC	10/11/2022	MTAC - Status change to Cancelled	Issue: MTAC status changed from SCHEDULED to CANCELLED after clicking defaulted checkbox  On 9/11/22, I was editing MTAC order details for MRN 208513 (Appointment 8/11/22) by ticking "Defaulted" button as patient has defaulted the appointment on 8/11/22, after clicking save, the status become "cancelled" and the "Defaulted" button has disappeared.  Meanwhile, I found that ALL (is ALL.... again, I have to repeat is ALL because it is important!!!) of the Diabetes MTAC report that is under status "Scheduled" have auto changed to "cancelled" status and updated by me in which i did not even click into other patients. How can it be possible just by 1 click and I can turn all my Schedule report to cancelled??? That is about 205 scheduled reports!!!  Kindly rectify this issue immediately. Thank you.	System was wrongly updated all MTAC records with same MTAC type that are in 'In Progress' and 'Scheduled' status to 'Cancelled' once saving MTAC record with 'Defaulted' checkbox is selected. Suppose system should only update for specified patient MTAC record.	14/11/2022



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date
10.	I- PHIS078011022A PP	Klinik Kesihatan Bota Kiri (B)	MTAC	30/06/2022	MTAC Reporting - Missing Patient Banner and Prompt Error	Miss Aini reported, MTAC reporting, unable to save due to appear error, please contact your system admin. Already close screen and try again but still same.  Click patient > fill Pharmacist Notes / Pharmacist Plan at reporting > save > appear error  MRN kke08003600083505 - Ishak bin ayob kke08003600083713 - Sapiah bt kasim v2512	Issue with the stored procedure database function. While populating pharmacist notes to backend sub table, this function was hitting error and causing system unable to fetch data from MTAC reporting	11/11/2022



## 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_V2.6.1.6.txt	<a href="https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/facility/scripts">https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/facility/scripts</a>
2	Facility Application	iphis_v2.6.1.6.war	<a href="https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/facility/war">https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/facility/war</a>
3	Facility Application	PhISService_v.2.6.1.6.war	<a href="https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/facility/war">https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/facility/war</a>
4	Facility Application	PhISSchedulers_v.2.6.1.6.jar	<a href="https://10.1.1.57:5522/svn/PhIS/svn/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/facility/jar">https://10.1.1.57:5522/svn/PhIS/svn/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/facility/jar</a>
5	Facility Application	phis_Email_v2.6.1.6.jar	<a href="https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/facility/jar">https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/facility/jar</a>
6	Facility Application	phis_Cd_V2.6.1.6.jar	<a href="https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/facility/jar">https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/facility/jar</a>
7	Facility Application	phis_MyMaat_v2.6.1.6.jar	<a href="https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/facility/jar">https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/facility/jar</a>
8	Facility Application	phisIntegration.properties	<a href="https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/facility/jar">https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/facility/jar</a>
9	Mobile Application	iphismobile_user_v2.6.1.6.war	<a href="https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/facility/war">https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/facility/war</a>
10	Mobile Application	phisAPI_v2.6.1.6.war	<a href="https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/facility/war">https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/facility/war</a>
11	Mobile Application	lpadhosp-2.6.1.6.0b08.war	<a href="https://10.1.1.57:5522/svn/PhISWorkspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/Mobile">https://10.1.1.57:5522/svn/PhISWorkspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/Mobile</a>
12	HQ Script	PatchScripts2.6.1.6_IWP.txt	<a href="https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/iwp/scripts">https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/iwp/scripts</a>



No.	Items	Components	Path
13	HQ Application	phishq_v2.6.1.6.war	https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/iwp/war
14	HQ Application	masterRelease_v2.6.1.6.jar	https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/iwp/jar
15	HQ Application	epservice_V2.6.1.6.war	https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/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_V2.6.1.6.txt	https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/facility/scripts	Please ensure all the script is execute before iphis.war deploy. Please ensure the script is executed in sequence. Script files highlight and execute.
2	Facility Application	iphis_v2.6.1.6.war	https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/facility/war	Please rename the war file to iphis.war then deploy.
3	Facility Application	PhISService_v.2.6.1.6.war	https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/facility/war	Please rename the war file to PhISService.war then deploy.
4	Facility Application	PhISSchedulers_v.2.6.1.6.jar	https://10.1.1.57:5522/svn/PhIS/svn/Workspace_Datawar	Backup jar file from /home/phisesb/phisja



Step	Items	File Name	Source Path	Action
			e/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/facility/jar	rs/ and copy downloaded jar and rename to PhISSchedulers.jar. Then Restart crontab.
5	Facility Application	phis_Email_v2.6.1.6.jar	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/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_V2.6.1.6.jar	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/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_v2.6.1.6.jar	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/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_ReleaseV2.6.1.6/facility/jar	/home/phisesb/phisbackprops/ and copy downloaded phisIntegration.properties and configure facility db details in properties file.
9	Mobile Application	iphismobile_user_v2.6.1.6.war	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/facility/war	Rename iphismobile_user_v2.6.1.6.war to iphismobile_user.war and deploy.
10	Mobile Application	phisAPI_v2.6.1.6.war	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/facility/war	Rename phisAPI_v2.6.1.6.war to phisAPI.war and deploy.
11	Mobile Application	lpadhosp-2.6.1.6.0b08.war	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/Mobile	Rename ipadhosp-2.6.1.6.0b08.war to ipadhosp.war and deploy. - Mobile Frontend: 2.6.1.6.0r18



Step	Items	File Name	Source Path	Action
				- Mobile Backend: 2.6.1.6.0b08

### 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	PatchScripts2.6.1.6_IWP.txt	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/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_v2.6.1.6.war	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/iwp/war	Rename the war file from phishq_v2.6.1.6.war to phishq.war then Deploy using Glassfish Administration Console
3	HQ Application	masterRelease_v2.6.1.6.jar	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/iwp/jar	Rename the jar file from masterRelease_v2.6.1.6.jar to masterRelease.jar and copy to directory '/home/phisesb/phisjars' Then restart the crontab.
4	HQ Application	epservice_V2.6.1.6.war	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.6/iwp/war	Rename the war file from epservice_V2.6.1.6.war to epservice.war then deploy.