



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

Release Note

Business Continuity Process (BCP)

For version 1.2.10

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Revision History

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1.0	15/08/2022	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	:	1.2.10
Client Name	:	Ministry of Health
Release ID	:	RL22/022
Release Date	:	15/08/2022

1.2 Objectives

No.	Objective	Reference
1.	Release PhIS BCP Application	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 BCP version 1.2.10.

No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Corrective Action	Permanent Solution	Resolved Date
1.	I-PhIS073836721S	Hospital Sik (A)	BCP	31/03/2021	BCP - Discharge Medication - Wrong Dosage form in order details - Renew order on Rx from BCP	En Sadiq reported that upon doing Discharge Medication, Order Details has changed. Sample for checking: IC No: 40031202XXXX Aishah bt Mat Saman Kindly refer User Attachments.	Missing implementation to save correct dosage form value if order is initiated from reorder function in BCP.	N/A	Update condition to save correct dosage form value during reorder function in BCP.	05/05/2021
2.	I-PhIS075758621	Klinik Kesihatan Juasseh (B)	BCP	14/06/2021	BCP - Unable to Verify Due to Stock Not Available for Patient	Puan Chin unable to proceed with verification in PhIS due to Stock Not Available in Verification Log appeared for several patients. Informed by user stock is available in PhIS for reported item. Kindly refer file upload.	Wrong condition was applied to get 'Drug Quantity UOM' value during retrieval of current stock details. And this has led system to show Verification Status as 'Stock Not Available'.	N/A	Amend code to get correct 'Drug Quantity UOM' value during retrieval of current stock details.	08/10/2021
3.	I-PhIS077828321	Klinik Kesihatan Lubuk Buntar (B)	BCP	01/09/2021	BCP - Unable to post data	User reported unable to end post data due pop up message duplicate patient and stock not available. For duplicate patient there has no display duplicate patient name while stock not available also has no	Wrong condition was applied to get 'Drug Quantity UOM' value during retrieval of current stock details. And this has led system to show Verification Status as 'Stock Not	N/A	Amend code to get correct 'Drug Quantity UOM' value during retrieval of current stock details.	07/10/2021



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Corrective Action	Permanent Solution	Resolved Date
						display which item have no stock.	Available'.			
4.	I-PhIS078376 021S	Klinik Kesihatan Gemencheh (B)	BCP	21/09/2021	BCP - Unable to post data	User reported unable to end post data due pop up message stock not available. User informs user already add stock for A12AA04121C1001XX.0 1 (A12AA04121C1001XX.0 1) & S01XA20000D20XX.03 (Artificial Tears/Eye Lubricant Ophthalmic Solution (With Preservative) but still unable to post data	Wrong condition was applied to get 'Drug Quantity UOM' value during retrieval of current stock details. And this has led system to show Verification Status as 'Stock Not Available'.	N/A	Amend code to get correct 'Drug Quantity UOM' value during retrieval of current stock details.	08/11/2021
5.	I-PhIS077159 121S	Klinik Kesihatan Sri Gading (B)	BCP	05/08/2021	BCP - Dispensed Quantity Not Tally with Duration of Supply - Data posted from BCP	Puan Sharifah informs she has dispensed today (05/08/2021) in BCP and after Verify & Post transaction not updated. User informs Dispensed Quantity does not tally with Duration of Supply for several items. Kindly refer file upload. MRN No.: KKE01010100092626 -	Issue happens due to during BCP posting, 'Alternate drug flag' value was not updated even record is dispensed with alternate drug.	Data patch to update 'alternate drug flag' at 'dispensing normal' table to 'Y'.	Amend code to update 'Alternate drug flag' to 'Y' if record is dispensed with alternate drug.	29/10/2021

No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Corrective Action	Permanent Solution	Resolved Date
						Lee Voon Choon				
6.	I- PhIS078536 221	Hospital Miri (A)	BCP	27/09/2021	(BCP) Unable to login PhIS - 'An error has occurred. Please contact your system admin'	Dr Zura reported unable to login PhIS - 'An error has occurred. Please contact your system admin. message error: 56310' after login phis. user id: 88101656XXXX	Wrong implementation for BCP process whereby new process for same record will be initiated even the old BCP process is not yet finished. This has consumed server memory and resource. Suppose the new BCP process should be on hold if the old process is not yet finished.	Restart Glassfish and Postgres services and kill all the BCP hang processes to ease the memory utilisation.	Amend the condition on BCP process whereby system would not create any BCP process if current BCP process is still running.	31/05/2021
7.	I- PhIS079570 421	Klinik Kesihatan Kampung Pandan (A)	BCP	05/11/2021	BCP - Unable to Verify and Post data - Visit type walk in	Miss Loh reported BCP - Unable to Verify and Post data, due to appear error please contact your system admin, already try many times but same error appears. Before user post the data at BCP, user already change BCP Entry Status at facility configuration. Refer example attachment.	'Confirmed By' value was not correctly saved for record that is initiated from 'Walk In' visit type. Due to this, error is occurred while do the verification.	N/A	Update code to save 'Confirmed By' value for record that is initiated from 'Walk In' visit type.	09/12/2021
8.	I- PhIS080262	Klinik Kesihatan	BCP	03/12/2021	BCP: Partial Supply is	Pn Nadia informs that user did BCP Drill in	Missing implementation to update 'New order	N/A	Amend code to update 'New order	07/01/2022



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Corrective Action	Permanent Solution	Resolved Date
	321S	Sekinchan (B)			missing	<p>facility this morning. It went well as user already succeed Verify & Post Data & End BCP. However, for following patient, user not able to find Partial Supply in Phis.</p> <p>Saadah bt Bunadi IC No: 55082901XXXX MRN No: KKE10005800085345</p> <p>Kindly refer to User Attachment for further details.</p>	flag' value for next dispensing record after each partial dispense cycle. This has caused system unable to display back the next partial dispense record for that prescription.		flag' value for next dispensing record after each partial dispense cycle.	
9.	I- PhIS080702 321S	Klinik Kesihatan Sepang (A)	BCP	24/12/2021	BCP - System request to choose prescriber name	<p>Cik Anis reported, BCP PC - System request to change prescriber name.</p> <p>User unable to change and reported prescriber already inactive in PhIS.</p> <p>IC patient: 60100110XXXX Patient Name: Paramasivan MRN: 00075254</p>	Previously system was not allowing to do posting if prescriber is in inactive status in PhIS. Suppose system should still allow to enter inactive prescriber for partial dispense record.	N/A	Amend validation to allow user to insert inactive prescriber for partial dispense record.	08/02/2022



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Corrective Action	Permanent Solution	Resolved Date
						Presc: KF0000037567 Date: 12/8/2021				



4 Refinement List – Detail Changes

N/A



5 Deployment - Procedures

5.1 List of Items to be Deployed

No.	Items	Components	Path
1	Facility server BCP script	PatchScripts_PhIS_BCP_v1210.txt	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/BCP/BCP 20ReleaseV1.2/server/scripts
2	Facility server BCP service war file	BCPService_211221_08PM.war	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/BCP/BCP 20ReleaseV1.2.4/server/war
3	Facility server BCP process jar file	BCPProcess_server_01102021.jar	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/BCP/BCP ReleaseV1.2.10/server/jar
4	BCP workstation script	PatchScripts_BCP_wrokstation_V1210.txt	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/BCP/BCP ReleaseV1.2.10/workstation/scripts
5	BCP workstation jar file	BCP_18042022_01PM.jar	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/BCP/BCP ReleaseV1.2.10/workstation/jar
6	BCP workstation batch file	BCP.bat	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/BCP/BCP ReleaseV1.2.10/workstation/batch files

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	Database	PostgreSQL database	Database backup with time

5.3 Deployment/Installation Guidelines

5.3.1 Deployment at Facility Server

Below table is described the deployment steps at Facility server:

Step	Items	File Name	Source Path	Action
1	Facility server BCP script	PatchScripts_PhIS_BCP_v1210.txt	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/BCP/BCP 20ReleaseV1.2/server/scripts	Please ensure all the script is execute before bcpservice.war deploy.



Step	Items	File Name	Source Path	Action
2	Facility server BCP service war file	BCPService_211221_08PM.war	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/BCP/BCP20ReleaseV1.2.4/server/war	Rename the war file to BCPService.war and deploy war file to Glassfish Application server make sure context root name should be BCPService Note: To get the DB connection details using existing phisscheduler.properties file.
3	Facility server BCP process jar file	BCPPProcess_server_01102021.jar	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/BCP/BCPReleaseV1.2.10/server/jar	Rename BCPPProcess_server_01102021.jar to BCPPProcess.jar and move the file to /home/phisesb/phisjars Note: Need to restart cronjob

5.3.2 Deployment at BCP Workstation

Below table is described the deployment steps at BCP workstation:

Step	Items	File Name	Source Path	Action
1	BCP workstation script	PatchScripts_BCP_workstation_V1210.txt	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/BCP/BCPReleaseV1.2.10/workstation/scripts	Execute the scripts available in that file as pgScript (Press F6)
2	BCP workstation jar file	BCP_18042022_01PM.jar	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/BCP/BCPReleaseV1.2.10/workstation/jar	Rename BCP_18042022_01PM.jar to BCP.jar and Copy BCP.jar file into C:/Properties folder and give Read/Execute Permission to the files
3	BCP workstation batch file	BCP.bat	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/BCP/BCPReleaseV1.2.10/workstation/batch files	Download the BCP.bat file into desktop