



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

System Design Document (SDD)

Pharmacy Inventory

Distribution

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1. Introduction

Pharmaniaga Logistics Sdn. Bhd. executes software development, enhancement and maintenance projects for its clients. The term “project” is used to describe the full set of activities from the time the proposal is accepted and project initiation note or contract is signed to the time all the software and services are delivered according to the acceptance of the proposal/contract.

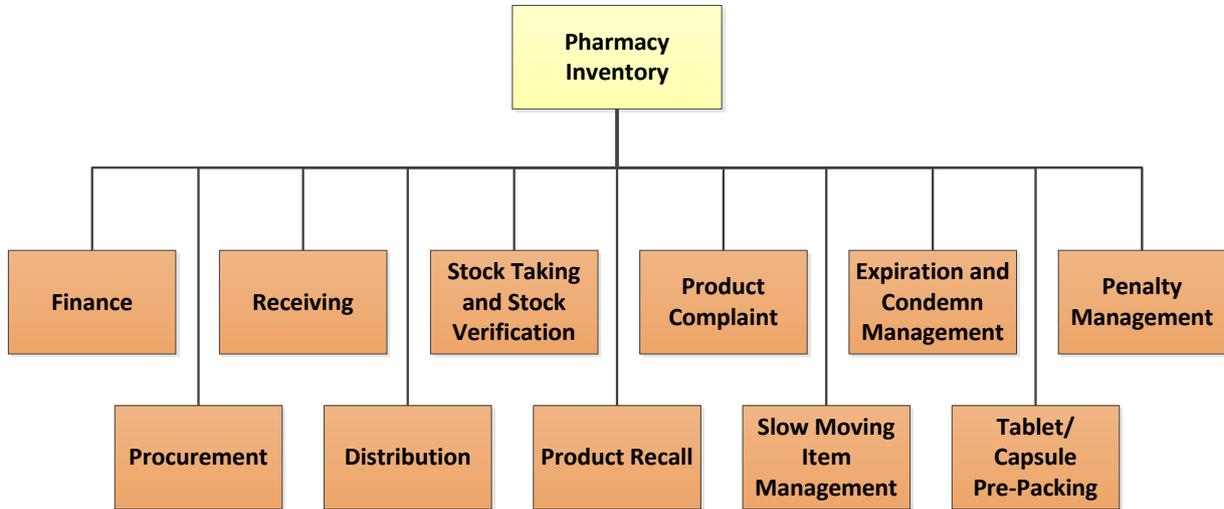
This process is to ensure both user requirements and software requirements of the projects developments are gathered appropriately from stakeholders and are documented in User Requirements Specification (URS) and System Design Documentation (SDD) specifically.

2. Purpose

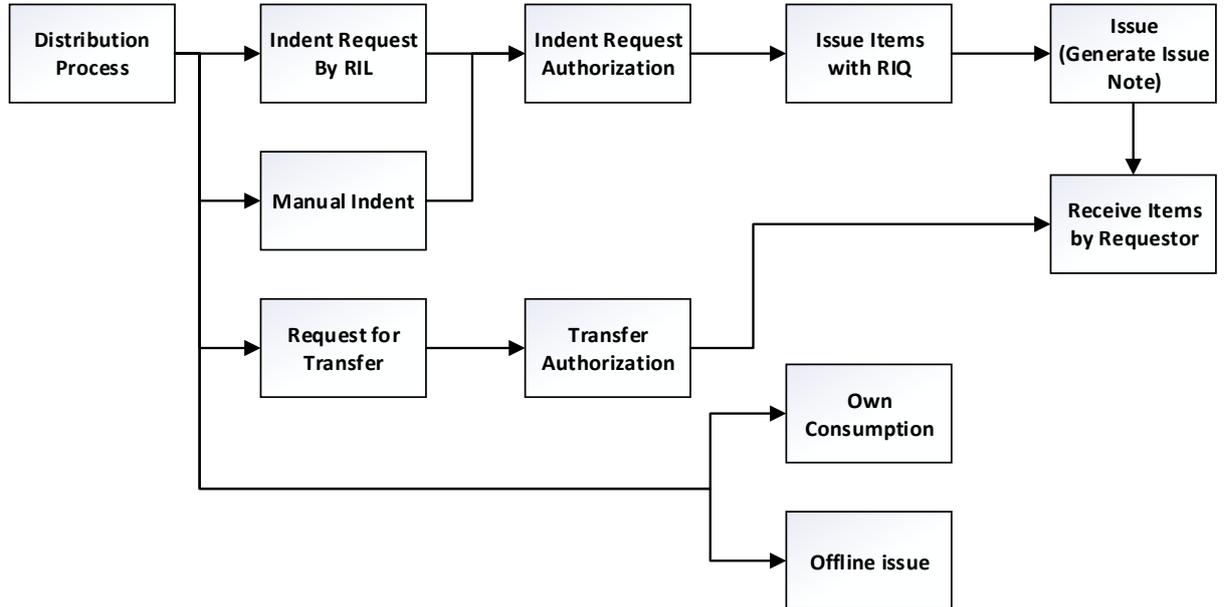
The purpose of the document is to describe the purpose and functionality of the software product requested by client. This document outlines the project's details, requirements, interface, design issues, and components to ensure that each requirement has been met.

3. Detailed System Design

3.1 Pharmacy Inventory Overview

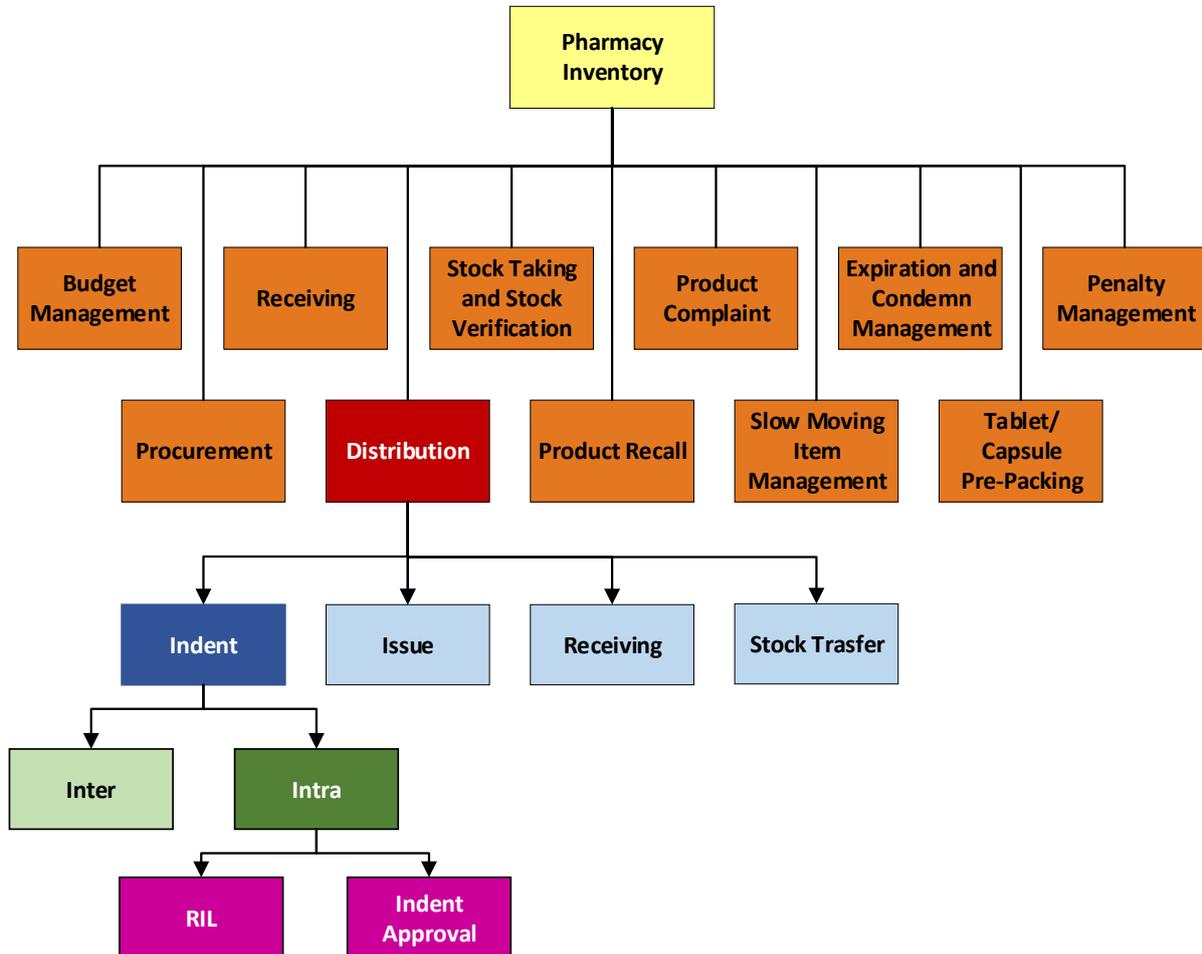


3.2 Block Diagram



3.3 Indent – Intra facility

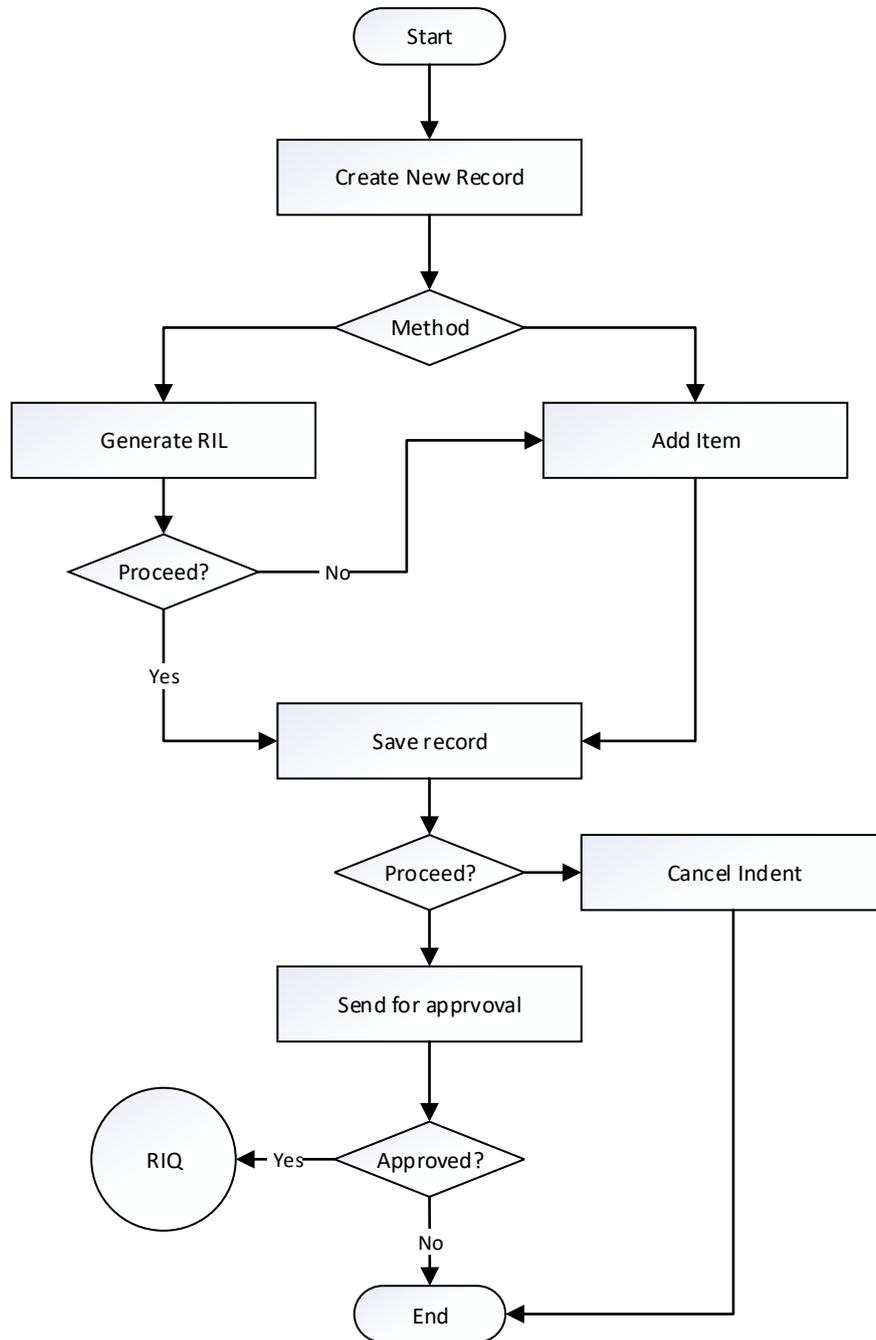
3.3.1 Overview



3.3.2 Purpose

Indent intra facility in the PHIS consist of indenting from within the facility within the facility. The indenting process begins at the sub - store level where the personnel indent drugs and non-drugs routinely via Recommended Indent List (RIL) or at ad-hoc situation via supplementary where there is a sudden need to require the items.

3.3.3 Screen Navigation Diagram

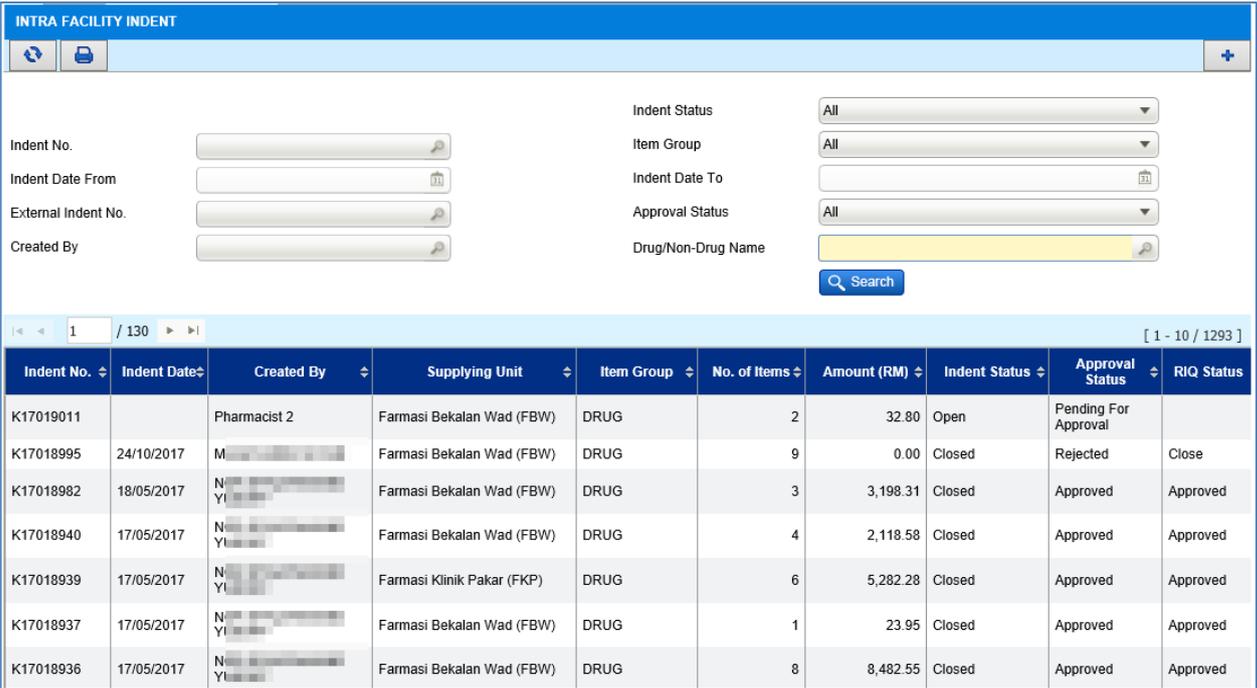


Screen Navigation: Indent – Intra Facility

3.3.4 Detail Functionality and Screen

3.3.4.1 Intra Facility Indent Listing

3.2.4.1.1 Screen Design

ID	IFI.SD1
Description	Intra facility indent listing
Diagram	
	
Notes	<ul style="list-style-type: none"> • Click on Add button to create new indent • Click on search button to search for the indent transaction • Double click on transaction record to view the transaction
Cross References	

3.2.4.1.2 Application Business Rules

No.	Name	Description
1.	Search Transaction	Click on the 'Search' button to search the existing record: <ol style="list-style-type: none"> If user enters multiple search criteria, system will display the search results based on the specified criteria If no criteria entered, system will display all transactions System will display the records that match any keyword entered regardless of the letter type (uppercase or lowercase).
2.	Indent Transaction	Double click on any record to view the record details. List will display the following information: <ol style="list-style-type: none"> Indent No.



No.	Name	Description
		ii. Indent Date - Display Indent Approved Date iii. Created By iv. Supplying Unit v. Item Group vi. No. of Items vii. Amount (RM) viii. Indent Status ix. Approval Status x. RIQ Status
3.	Create New Transaction	Click on the 'Create New Record (+)' button to create new transaction record. <ul style="list-style-type: none"> Level 3 user – able to do internal indent only to Level 2 unit. Level 2 user – able to do internal indent only to Level 1 unit. Level 1 user – unable to do internal indent
4.	Refresh Listing	Click on the 'Refresh' button to reset all search criteria: <ol style="list-style-type: none"> Indent No. – Display as empty field Indent Date From – Display as empty field External Indent No. – Display as empty field Created By – Display as empty field Indent Status – All Item Group – All Indent Date To – Display as empty field Approval Status – All Drug/Non-Drug Name – Display as empty field Search results will display all records based on above reset search criteria.

3.2.4.1.3 Input Validation Rules

No.	Name	Description	Mandatory	Format
1.	Indent No.	Field will display all existing Indent No. belongs to the ward/unit	No	Searching field
2.	Indent Date From	User to select date from the calendar. Click on the calendar icon to display the calendar.	No	Calendar
3.	Indent Date To	User to select date from the calendar. Click on the calendar icon to display the calendar.	No	Calendar
4.	External Indent No	Not applicable	No	Searching field
5.	Created By	Field will display all user (active and inactive) as per in Maintenance > Security > User Profile screen. User able to search based on User First name and User Last name. Compare selected value with indent creator.	No	Searching field
6.	Indent Status	Value refer to reference code, domain ='INDENT_STATUS'. Default to 'All' however user can select specific indent status:	No	Drop down list



No.	Name	Description	Mandatory	Format
		<ul style="list-style-type: none">• Cancel• Close• Fully Supply• Open• Partial Supply• Reject		
7.	Item Group	Value refer to reference code, domain = 'ITEM_GROUP' Default to 'All' however user can select specific value: <ul style="list-style-type: none">• Drug• Non-Drug	No	Drop down list
8.	Approval Status	Value refer to reference code, domain = 'INDENT_APPROVAL_STATUS' Default to 'All' however user can select specific transaction type: <ul style="list-style-type: none">• Approved• Pending for Approval• Rejected	No	Drop down list
9.	Drug/Non-Drug Name	Only enable if user choose Item Group = Drug or Non-Drug. On click of search indent list, only indent with selected drug/non-drug will be displayed.	No	Searching field



3.3.4.2 Intra Facility Indent

3.2.4.2.1 Screen Design

ID	IFI.SD2
Description	To create new intra facility indent record

Diagram

i. New indent

INTRAFACILITY INDENT

Generate RIL [Print] [Refresh] [Close]

INDENT INFORMATION

Indent No. [Text Field] Indent Date: 20/12/2017

Request Indent Type: Intra Facility Send Indent To: Farmasi Bekalan Wad (FBW)

Unit Name: Farmasi Bekalan Wad - Rx Filling Created By: Pharmacist 2

Item Group: DRUG Item Sub Class: [Dropdown]

View Near Expiration Quantity: No Yes No. of Items: [Text Field]

Total Amount (RM): [Text Field] Indent Status: Open

Remark: [Text Area] Approval Status: [Text Field]

Item Purchase Type: All

ADD INDENT LIST

Delete Item + Add Item

Preferred Item																		
Drug/Non-Drug Code	Drug/Non-Drug Name	Item Type	Item Name	Item Code	Package description	SKU	Max Storage	Usage & Issue Quantity	Stock Available Quantity	Indent Quantity (SKU)	Approved Quantity (SKU)	Back Order Quantity (Indent)	Pending Receive Quantity	Average Unit Price (RM)	Amount (RM)	Item Status	Urgent	Reject
No Record Found																		

ii. Add item

INTRAFACILITY INDENT

Item Purchase Type: All

ADD INDENT LIST

Delete Item + Add Item

ADD INDENT ITEM

Standard Item: All

Drug Name: [Text Field] Drug Code: [Text Field]

Min Indent Quantity: [Text Field] SKU: [Text Field]

Stock Available (SKU): [Text Field] Indent Quantity (SKU): 0

Buffer Level Quantity: [Text Field] Preferred Item: [Text Field]

Max Storage Quantity: [Text Field]

Delete Item + Add Item

iii. Item list (manual indent)

[1 - 1 / 1]

Preferred Item																			
Drug/Non-Drug Code	Drug/Non-Drug Name	Item Type	Item Name	Item Code	Package description	SKU	Max Storage	Usage & Issue Quantity	Stock Available Quantity	Indent Quantity (SKU)	Approved Quantity (SKU)	Back Order Quantity (Indent)	Pending Receive Quantity	Average Unit Price (RM)	Amount (RM)	Item Status	Urgent	Reject	
<input type="checkbox"/>	J05AB0100071001XX	Acyclovir 200 mg Tablet	APPL	07.0018.02	Acyclovir 200r	Pack of 25 tabs (Blister)	tablet	1,000	0	0	1,000	1,000	0	0	0.6124	612.40	Open	<input type="checkbox"/>	<input type="checkbox"/>



iv. Item list (RIL)

Preferred Item																			
Drug/Non-Drug Code	Drug/Non-Drug Name	Item Type	Item Name	Item Code	Package description	SKU	Max Storage	Usage & Issue Quantity	Stock Available Quantity	Indent Quantity (SKU)	Approved Quantity (SKU)	Back Order Quantity (Indent)	Pending Receive Quantity	Near Expiration Quantity	Average Unit Price (RM)	Amount (RM)	Item Status	Urgent	Reject
<input type="checkbox"/>	A10BF01000T1001XX	Acarbose 50 mg Tablet	Cont ract	Acarbose 50 mg Tab	A10BF01000T1001XX.01	Box of 100 tab	tablet	45,000	0	1,974	43,02	0	0	0	0.1090	4,689.83	Open	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	S01EC01000T1001XX	Acetazolamide 250 mg Tablet	APP L	Acetazolamide 250m	02.0001.02	Pack of 100 tabs	tablet	200	0	93	107	0	0	0	0.1740	18.62	Open	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	B01AC06259T1001XX	Acetylsalicylic Acid 100 mg, Glycine 45 mg Tablet	Cont ract	Acetylsalicylic Acid 1	B01AC06259T1001XX.01	box of 30 tablet	tablet	36,000	0	3,351	32,64	0	0	1,851	0.0627	2,047.09	Open	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	N02BA01000T4001XX	Acetylsalicylic Acid 300 mg Soluble Tablet	APP L	Acetyl Salic Ac Sol :	02.0003.05	Pack of 30 tabs (Blister)	tablet	30,000	0	1,617	28,38	0	0	0	0.1390	3,945.24	Open	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	J05AB01000T1002XX	Acyclovir 800 mg Tablet	LP	Acyclovir 800 mg Ta	J05AB01000T1002XX.01	box of 35 tablet	tablet	1,400	0	299	1,101	0	0	0	0.5629	619.75	Open	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	A11CC03000C1002XX	Alfacalcidol 1mcg Capsule	LP	Alfacalcidol 1mcg Ca	A11CC03000C1002XX.01	Box of 100 cap	capsul e	1,500	0	433	1,067	0	0	0	0.8262	881.56	Open	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	M04AA01000T1001XX	Allopurinol 300 mg Tablet	APP L	Allopurinol 300mg T	02.0004.06	Pack of 100 tabs (Blister)	tablet	5,000	0	778	4,222	0	0	378	0.1392	587.70	Open	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	C03EA01900T1001XX	Amiloride HCl 5 mg Hydrochlorothiazide 50 mn Tablet	APP L	Amiloride HCl Hydr	02.0010.03	Pack of 100 tabs (Blister)	tablet	300	0	88	212	0	0	88	0.0928	19.67	Open	<input type="checkbox"/>	<input type="checkbox"/>

v. Pending Receive Quantity

Indent No.	Request Date	Issue No.	Issue Date	Pending Receive Quantity (SKU)
K17027907	30/11/2017 05:38 PM	I02FBW-0043959	30/11/2017 05:39 PM	21
K17027979	29/12/2017 10:38 AM	I02PS001-0043984	29/12/2017 10:43 AM	10

vi. Save record

Send for Approval Cancel Indent

INDENT INFORMATION

Indent No.	K17019014	Indent Date	20/12/2017
Request Indent Type	Intra Facility	Send Indent To	Farmasi Bekalan Wad (FBW)
Unit Name	Farmasi Bekalan Wad - Rx Filling	Created By	Pharmacist 2
Item Group	DRUG	Item Sub Class	
View Near Expiration Quantity	<input checked="" type="radio"/> No <input type="radio"/> Yes	No. of Items	2
Total Amount (RM)	751.60	Indent Status	Open
Remark		Approval Status	
		Item Purchase Type	All

Notes

- Click on Generate RIL to generate RIL list
- Add/Delete Item if necessary
- Save record and Send for Approval (for user without approval role)
- Save record and Approve/Reject (for user with approval role)

Cross References



3.2.4.2.2 Application Business Rules

No.	Name	Description
1.	New indent record	<p>Create new allocation record:</p> <ol style="list-style-type: none"> i. User to fill in all required details ii. Record status displayed as 'Open' by default
2.	Generate RIL	<ol style="list-style-type: none"> i. System will auto calculate the Suggested Indent Qty for selected Item Group, Item Sub Group and Item Status is Active which is maintained in the Unit Catalog for the Indenting Unit. ii. Formula for calculating the Indent Qty: <i>Indent Quantity = Max Storage – (Stock Available + Pending To Receive + Back Order)</i> iii. RIL criteria <ul style="list-style-type: none"> • Stock available + Pending to receive + Back order < Buffer level • Indent Quantity > 0 iv. If Stock Available + Pending to receive + Back order > Max Storage, system not allow user add item manually by Add Item button v. No checking for below buffer level for manual add item. vi. If drug still have Pending to Receive in system but the Indent Qty is more than 0, when Generate RIL or add item manually by Add Item button, system will prompt message 'Still have pending item which not be received' vii. Indent Quantity also calculated based on Conversion Factor of Item Preferred. If indent quantity suggested is not same as packaging, the calculation based on round up the value based on the packaging viii. To display near expiration quantity based on duration entered.
3.	Add item	<p>Click on Add item button to add item to the list. Item will be displayed based on indenter unit catalogue.</p> <p>Click on item to manually add item to the list. Enter required fields and click on save button to add item to the list.</p>
4.	Item List	<p>Item list will display the following information:</p> <ol style="list-style-type: none"> i. Drug/Non-Drug Code ii. Drug/Non-Drug Name iii. Item Type iv. Preferred Item <ul style="list-style-type: none"> • Item Name • Item Code • Package description v. SKU vi. Max Storage vii. Usage & Issue Quantity viii. Stock Available Quantity ix. Indent Quantity (SKU) x. Approved Quantity (SKU) xi. Back Order Quantity (Indent) xii. Pending Receive Quantity xiii. Near Expiration Quantity (for RIL only)



No.	Name	Description
		xiv. Average Unit Price (RM) xv. Amount (RM) xvi. Item Status xvii. Urgent
5.	Average Unit Price	i. If there is Preferred Item selected, Average Unit Price will be based on Item Average Price (SKU). Item Average Price (SKU) can be refer in Item Master. ii. If there is no Preferred Item selected for the Drug indent, Average Unit Price will be based on Drug Average Price (SKU).
6.	Usage & Issue Quantity	Display Total Issue Quantity (SKU) for 90 days total. Click on the hyperlink to view the Usage Quantity Details pop up screen. Refer to section View Usage & Issue Qty for the screen details.
7.	Pending Receive Quantity	i. Display total of item pending receiving (item has been issued by supplying unit). ii. List will display the following information: <ul style="list-style-type: none"> • Indent No. • Request Date • Issue No. • Issue Date • Pending Receive Quantity (SKU)
8.	Urgent item	To indicate item as urgent. Urgent item will be highlighted at supplying unit.
9.	Delete item	Select item by check on the checkbox and click on delete button. Selected item will be removed from the list
10.	Save record	Click on save button to save indent record.
11.	Cancel Indent	User able to 'Cancel Indent' once already save record but before send for approval. Status will update to 'Cancelled' after user cancel request. All fields will be displayed as read-only.
12.	Send for Approval	On click of 'Send for Approval' button: <ol style="list-style-type: none"> Indent status = Open Approval status updated to 'Pending for Approval' All fields display as read-only Indent record will be displayed in task list for approver. Type = Indent(Internal) with status 'Pending For Approval'
13.	Indent Close Period	Indent close period is configurable by facility. Indent will be auto closed based on duration configure by facility from the indent approved date. E.g.: Indent Approved Date = 01/04/2017, Indent Closed Period = 14 days, Indent will be auto closed on 15/04/2017. Once indent is closed, no new RIQ transaction can be done However, user is allowed to Generate Issue Note and do receiving.



3.2.4.2.3 Input Validation Rules

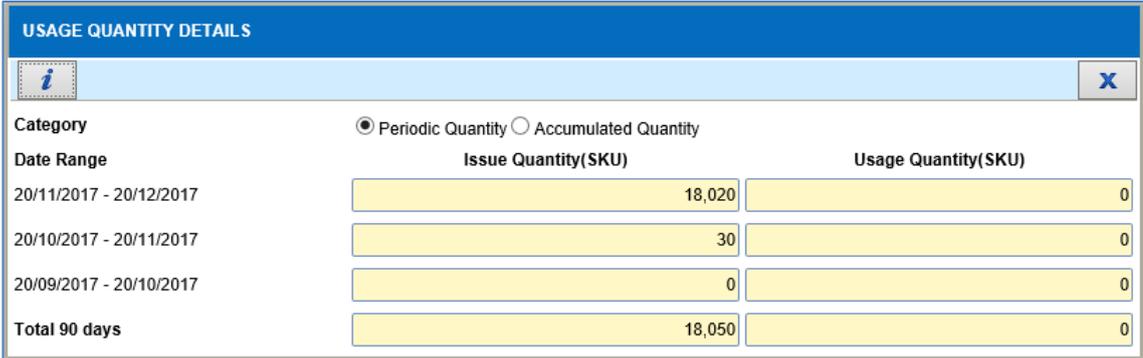
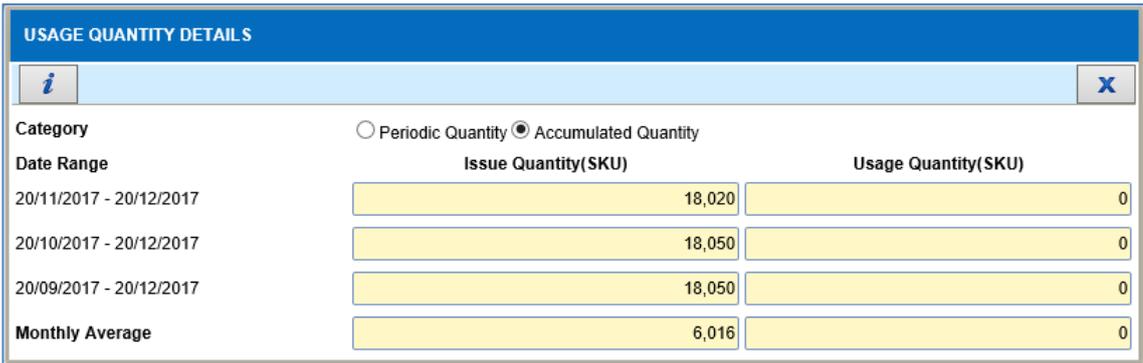
No.	Name	Description	Mandatory	Format
Indent Header				
1.	Indent No.	This field will automatically be assigned with a system generated allocation no when user saves the transaction.	Yes	Read-only
2.	Request Indent Type	Default to 'Intra Facility'	No	Read-only
3.	Unit Name	Default to user unit from Maintenance>Security>User Profile. However, user able to choose another unit same group level with user unit.	No	Searching field
4.	Item Group	Value refer to reference code, domain = 'ITEM_GROUP' Default to 'Drug' however user can select specific value: <ul style="list-style-type: none"> • Drug • Non-Drug 	Yes	Drop down list
5.	View Near Expiration Quantity	Radio button with Yes/No selection. Defaulted to No. If value = Yes, display text field to enter value in days. Numeric value with maximum 5 digits. This information will be displayed when generate RIL.	No	Radio button and Text field
6.	Total Amount (RM)	Total amount of item selected in item list	No	Read-only
7.	Remark	User to enter free text value with maximum 100 characters.	No	Text field
8.	Indent Date	Display based on the record created date <i>Format: dd/mm/yyyy</i>	Yes	Read-only
9.	Send Indent To	Default the value to 'Default Indent From(Drug)' or 'Default Indent From(Non-Drug)' from requester unit master based on item group selected. However, user able to choose another unit from group level 1 and 2.	Yes	Searching field
10.	Created By	User who created/saved the record. Displayed based on user's first name and last name from Maintenance>Security>User Profile.	Yes	Read-only
11.	Item Sub Class	Item Sub Class will be displayed based on item group selected. Default to <blank>	No	Drop down list
12.	No. of Items	Total item selected in item list	No	Read-only
13.	Indent Status	For new indent default status to 'Open'	No	Read-only
14.	Approval Status	For new indent default status to <blank>	No	Read-only
15.	Item Purchase Type	Value refer to reference code, domain = 'ITEM_TYPE' Default to 'All' however user can select specific value: <ul style="list-style-type: none"> • APPL • Contract • LP 	No	Drop down list



No.	Name	Description	Mandatory	Format
Add Item				
16.	Standard Item	Default to 'All' however user can select specific value: <ul style="list-style-type: none"> • Yes • No 	No	Drop down list
17.	Drug Name	List of drugs active for selected Indenting Unit. Based on: <ol style="list-style-type: none"> Active in unit catalogue Selected Item Class Ward stock = No 	Yes	Searching field
18.	Drug Code	Display drug code for the selected drug	No	Read-only
19.	SKU	Display SKU for the selected drug	No	Read-only
20.	Min Indent Quantity	Display 'Min Indent Quantity' from Maintenance>Inventory>Unit Catalogue for the selected Unit Name and drug.	No	Read-only
21.	Stock Available (SKU)	Display 'Stock Available' from Maintenance>Inventory>Unit Catalogue for the selected Unit Name and drug.	No	Read-only
22.	Buffer Level Quantity	Display 'Buffer Level Quantity' from Maintenance>Inventory>Unit Catalogue for the selected Unit Name and drug	No	Read-only
23.	Max Storage Quantity	Display 'Max Storage Quantity' from Maintenance>Inventory>Unit Catalogue for the selected Unit Name and drug	No	Read-only
24.	Indent Quantity(SKU)	System will auto calculate the Indent Qty for selected drug. Formula for calculating the Indent Qty: <i>Indent Quantity = Max Storage – (Stock Available + Pending To Receive + Back Order)</i> However, user still able to change the value. Value entered cannot more than calculated indent quantity.	Yes	Text field
25.	Preferred Item	To choose preferred item for that particular drug/non-drug, based on active item at SUPPLYING UNIT. The drop down will list items in these manners: <ol style="list-style-type: none"> Default item under that particular drug/non-drug will be displayed as DEFAULT at the top of drop down field If that particular drug/non-drug does not have a default item, the top of drop down field will display BLANK 	No	Drop down list

3.3.4.3 View Usage & Issue Qty

3.2.4.3.1 Screen Design

ID	IFI.SD3
Description	View Usage and Issue Quantity hyperlink details
Diagram	
<p>i. View screen with category 'Periodic Quantity'</p> 	
<p>ii. View screen with category 'Accumulated Quantity'</p> 	
Notes	Click on 'Usage & Issue Quantity' column hyperlink to view the details
Cross References	None

3.2.4.3.2 Application Business Rules

No.	Name	Description
1.	Usage and Issue Quantity column	In Item List section, value displayed on this column is based on the 'Total 90 days' value when 'Periodic Quantity' radio button is selected.
Periodic Quantity		
2.	Date Range	Display 3 values for the current and past 2 months, separated values by each month.
3.	Issue Quantity	Based on the date range, display sum of all items and batches 'Issue Quantity' for each drug (in SKU). Issue Quantity refers to both intra and inter approved issue transaction except 'Issue Type = Own Consumption'. Quantity is displayed based on user's unit level: i. Unit level 1: Quantity will displayed based on own unit only



		<ul style="list-style-type: none"> ii. Unit level 2: Quantity will displayed based on own unit only iii. Unit level 3: Quantity will displayed based on own unit only
4.	Usage Quantity	<p>Based on the date range, display sum of all items and batches 'Dispensed Quantity' and 'Issue Quantity for issue type = Own Consumption only' for each drug (in SKU). Dispensed Quantity refers to all dispensing transaction (Normal order OP/IP, CDR, PN, IV and Radiopharma).</p> <p>Quantity is displayed based on user's unit level:</p> <ul style="list-style-type: none"> i. Unit level 1: Quantity will display based on all units ii. Unit level 2: Quantity will display based on own unit and any level 3 units with default indenter unit is specified same as user's current unit (level 2) iii. Unit level 3: Quantity will display based on own unit only
5.	Total 90 days	Total issue or usage quantity of the 3 months values.
Accumulated Quantity		
6.	Date Range	Display 3 accumulated values, accumulated based on last 1 month, last 2 months or last 3 months.
7.	Issue Quantity	<p>Based on the date range, display accumulated sum of all items and batches 'Issue Quantity' for each drug (in SKU). Issue Quantity refers to both intra and inter approved issue transaction except 'Issue Type = Own Consumption'</p> <p>Quantity is displayed based on user's unit level:</p> <ul style="list-style-type: none"> i. Unit level 1: Quantity will be displayed based on own unit only ii. Unit level 2: Quantity will be displayed based on own unit only iii. Unit level 3: Quantity will be displayed based on own unit only
8.	Usage Quantity	<p>Based on the date range, display accumulated sum of all items and batches 'Dispensed Quantity' and 'Issue Quantity for issue type = Own Consumption only' for each drug (in SKU). Dispensed Quantity refers to all dispensing transaction (Normal order OP/IP, CDR, PN, IV and Radiopharma).</p> <p>Quantity is displayed based on user's unit level:</p> <ul style="list-style-type: none"> i. Unit level 1: Quantity will be displayed based on all units ii. Unit level 2: Quantity will be displayed based on own unit and any level 3 units with default indenter unit is specified same as user's current unit (level 2) iii. Unit level 3: Quantity be displayed based on own unit only
9.	Monthly Average	Total accumulated issue or usage quantity for 3 months, divide with 3

3.2.4.3.3 Input Validation Rules

None



3.3.4.4 Intra Facility Indent - Approval

3.2.4.4.1 Screen Design

ID	IFI.SD4
Description	Indent Approval

Diagram

i. Task List

TASK LIST					
[1 - 2 / 2]					
Transaction Type	Transaction No.	Date/Time	Task Status	From Unit/Department	From User
Indent(Internal)	K17019011	18/12/2017 11:40 AM	Pending For Approval	Farmasi Bekalan Wad - Rx Filling	Pharmacist 2
Issuing	I02FBWFIII-0024066	18/12/2017 11:46 AM	Pending To Issue	Ward 9 - Ante Post-Partum	Pharmacist 2

ii. Indent listing

INTRA FACILITY INDENT									
Indent No.	<input type="text"/>	Indent Status	All						
Indent Date From	<input type="text"/>	Item Group	All						
Created By	<input type="text"/>	Indent Date To	<input type="text"/>						
		Approval Status	Pending For Approval						
		Drug/Non-Drug Name	<input type="text"/>						
<input type="button" value="Search"/>									
[1 - 1 / 1]									
Indent No.	Indent Date	Created By	Supplying Unit	Item Group	No. of Items	Amount (RM)	Indent Status	Approval Status	RIQ Status
K17019011		Pharmacist 2	Farmasi Bekalan Wad (FBW)	DRUG	2	32.80	Open	Pending For Approval	

iii. Approval Screen

INDENT DETAIL														
Indent No.	K17019011					Indent Date	18/12/2017 11:40:21 AM							
Send Indent To	Farmasi Bekalan Wad (FBW)					Item Group	DRUG							
Remark	<input type="text"/>					Reject Reason	<input type="text"/>							
<input type="button" value="Approve"/> <input type="button" value="Reject"/> <input type="button" value="Print"/> <input type="button" value="Close"/>														
ADD INDENT ITEM														
+ Add New Item														
[1 - 2 / 2]														
	Drug/Non-Drug Code	Drug/Non-Drug Name	Preferred Item	Item Purchase Type	SKU	Avg Usage	Buffer Level	Stock Available	Indent Quantity (SKU)	Approved Quantity (SKU)	Average Unit Price (RM)	Amount (RM)	Urgent	Reject
<input type="checkbox"/>	S01EC01000T1001XX	Acetazolamide 250 mg Tablet	Acetazolamide 250mg Tab BP/USP	APPL	tablet	0	100	93	100	100	0.1740	17.40	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	C09AA02253T1003XX	Enalapril 20 mg Tablet	Enalapril 20 mg Tablet	Contract	tablet	0	2,250	1,681	500	500	0.0308	15.40	<input type="checkbox"/>	<input type="checkbox"/>
											Total Amount (RM)	32.80		

Notes	User can access indent approval screen from task list or from indent list.
Cross References	



3.2.4.4.2 Application Business Rules

No.	Name	Description
1.	Approver	User can view Indent record in task list or from indent list
2.	Add new item	Click on item to manually add item to the list. Enter required fields and click on save button to add item to the list.
3.	Item List	Item list will display the following information: i. Drug/Non-Drug Code ii. Drug/Non-Drug Name iii. Preferred Item iv. Item purchase type v. Package description vi. SKU vii. Average Usage viii. Buffer level ix. Stock Available x. Indent Quantity (SKU) xi. Approved Quantity (SKU) xii. Average Unit Price (RM) xiii. Amount (RM) xiv. Urgent xv. Reject
4.	Urgent item	To indicate item as urgent. Urgent item will be highlighted at supplying unit.
5.	Approved button	On click of 'Approve' button: i. Indent status remain as 'Open' ii. Approval status updated to 'Approved' iii. Indent date will be updated with Approved date iv. RIQ status updated to 'Open' v. All fields display as read-only vi. Backorder quantity will be updated vii. KEW-PS 11 button will be displayed. viii. Indent record will be displayed in task list for supplying unit.
6.	Reject item	i. On click of reject checkbox, Approved Quantity and Amount will be 0. ii. User can partially approve the request by selecting item to reject.
7.	Reject button	On click of 'Reject' button: i. Approval status updated to 'Rejected' ii. Indent status updated to 'Close' iii. All fields display as read-only



3.2.4.4.3 Input Validation Rules

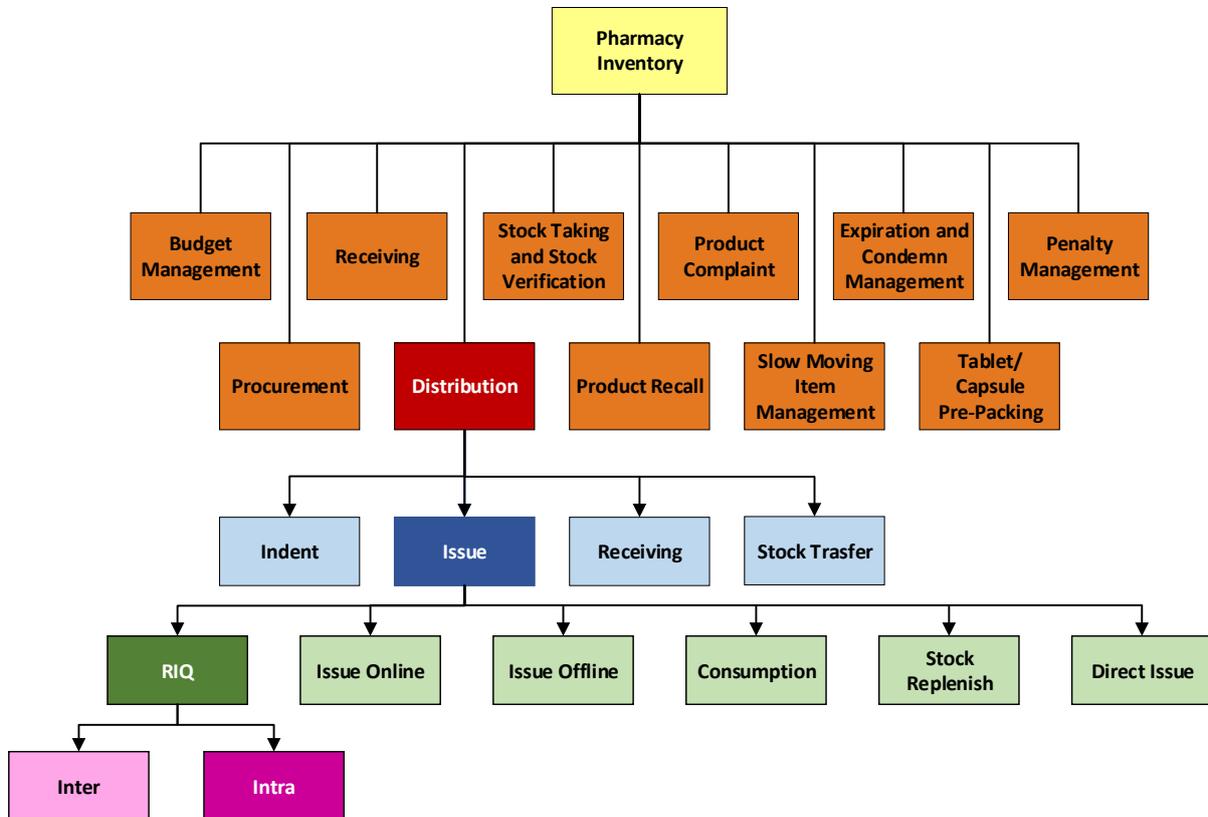
No.	Name	Description	Mandatory	Format
Indent Header				
1.	Indent No.	Display indent no	No	Read-only
2.	Indent Date	Display based on the record created date <i>Format: dd/mm/yyyy</i>	No	Read-only
3.	Send Indent To	Display send indent no	No	Read-only
4.	Item Group	Display item group	No	Read-only
5.	Remark	User to enter free text value with maximum 100 characters.	No	Text field
6.	Reject Reason	User to enter free text value with maximum 500 characters. Mandatory if user want to reject the record.	Yes	Text field
Add Item				
7.	Approved Quantity(SKU)	Approved quantity will be defaulted to requested Indent Qty. However, user still able to change the value. Alert will be displayed if more than maximum storage quantity but still allow to proceed.	Yes	Text field

3.3.5 Integration

None

3.4 Recommended Issue Quantity (RIQ) – Intra Facility

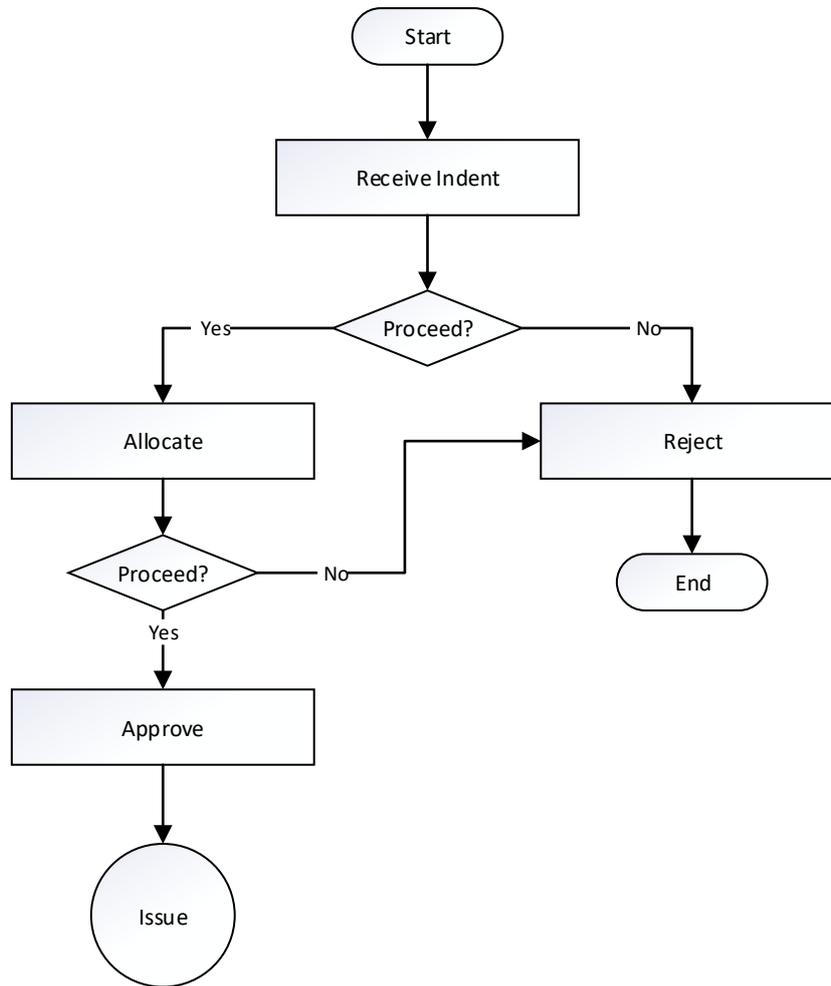
3.4.1 Overview



3.4.2 Purpose

System to propose issue quantity to requester based on supplying unit stock status.

3.4.3 Screen Navigation Diagram



Screen Navigation: RIQ – Intra Facility



3.4.4 Detail Functionality and Screen

3.4.4.1 Recommended Issue Quantity (Intra Facility) Listing

3.2.4.1.1 Screen Design

ID	RIQ.SD1
Description	List will display all indent request send to selected supplying unit.
Diagram	
i. Task list	
ii. RIQ Listing	
iii. RIQ Listing (with urgent item)	
Notes	<ul style="list-style-type: none"> User can access RIQ screen from task list or RIQ List. Click on search button to search for the indent transaction Double click on transaction record to view the transaction
Cross References	



3.2.4.1.2 Application Business Rules

No.	Name	Description
1.	Search Transaction	Click on the 'Search' button to search the existing record: i. If user enters multiple search criteria, system will display the search results based on the specified criteria ii. If no criteria entered, system will display all transactions iii. System will display the records that match any keyword entered regardless of the letter type (uppercase or lowercase).
2.	RIQ Transaction	List will display all indent request send to selected supplying unit. Double click on any record to view the record details. List will display the following information: i. Indent No. ii. Indent Date iii. Indenter's Unit Name iv. Item Group v. Total No. of Items vi. Total No. of Items Pending
3.	Refresh Listing	Click on the 'Refresh' button to reset all search criteria: i. Item Group – All ii. Indent No. – Display as empty field iii. Drug/Non-Drug Name – Display as empty field iv. Drug/Non-Drug Code – Display as empty field v. Pending Status – All vi. Method - FIFO vii. Requester Unit – Display as empty field Search results will display all records based on above reset search criteria.

3.2.4.1.3 Input Validation Rules

No.	Name	Description	Mandatory	Format
1.	Item Group	Value refer to reference code, domain = 'ITEM_GROUP' Default to 'All' however user can select specific value: <ul style="list-style-type: none"> Drug Non-Drug 	No	Drop down list
2.	Indent No.	Field will display all existing Indent No. belongs to the ward/unit	No	Searching field
3.	Drug/Non-Drug Name	Only enable if user choose Item Group = Drug or Non-Drug. On click of search list, only indent with selected drug/non-drug will be displayed.	No	Searching field
4.	Pending status	Us Value refer to reference code, domain = 'RIQ_PENDING_STATUS' Default to 'All' however user can select specific transaction type: <ul style="list-style-type: none"> In Progress - at least one of them was Issued 	No	Drop down list



No.	Name	Description	Mandatory	Format
		<ul style="list-style-type: none">Open - never issue before		
5.	Method	Value refer to reference code, domain ='RIQ_METHOD'. Default to 'FIFO' however user can select specific indent status: <ul style="list-style-type: none">FIFO - Indent are sort by approved indent date in ascending orderUrgent - Indent are sort by Urgent Indent and approved indent date in ascending order.	No	Drop down list
6.	Requester Unit	Field will display all requester unit list. User able to search based on requester unit name and code.	No	Searching field



3.4.4.2 Recommended Issue Quantity (Intra Facility)

3.2.4.2.1 Screen Design

ID	RIQ.SD2
Description	To issue item (approve indent) or reject the indent

Diagram

i. RIQ Screen

RECOMMENDED ISSUE QUANTITY (INTRA FACILITY)

RECOMMENDED ISSUE QUANTITY INFORMATION

Indent No. Indent Date
 Unit Name RIQ Type
 Send Indent To Indent By
 Supplying Unit Level 2 Indenter Remark
 Indent Type Item Group
 Total No. of Items Fully Supply Total Amount (RM)
 Total No. of Items Partially Supply Indent Status
 Total No. of Items RIQ Status
 UOM SKU PKU Issuer Remarks

RECOMMENDED ISSUE QUANTITY ITEM LIST

Drug/Non-Drug Name	Drug/Non-Drug Code	Preferred Item	Default Packaging Description	SKU	Indenter's Information (SKU)					Supplying Unit Information (Quantity) (SKU)							Close
					Buffer Level	Stock Available	Usage & Issue Quantity	Indent Quantity	Max Storage	Stock Available	Recommended Issue	Pending	Amount (RM)	Supply Status	Last Issued Date	Last Issued Quantity	
Acetazolamide 250 mg Tablet	S01EC01000T1001XX	Acetazolamide 250mg Tab BPI/USP	Pack of 100 tabs	table	100	93	0	100	200	0	0 Edit	100	0.00	Open	-	0	<input type="checkbox"/>
Enalapril 5 mg Tablet	C09AA02253T1001XX	Enalapril 5 mg Tablet	pack of 30 tablet	table	1,500	0	0	1,000	3,000	2,330	1,000 Edit	0	162.30	Fully Supply	-	0	<input type="checkbox"/>
													Total Amount (RM)	162.30			

ISSUE HISTORY

Drug/Non-Drug Name	Drug/Non-Drug Code	SKU	Default Packaging Description	Indent Quantity	Issue Quantity	Pending Quantity	Average Unit Price (RM)	Amount (RM)	Issue Note No.
No Records Found!									

ii. Urgent item

RECOMMENDED ISSUE QUANTITY ITEM LIST

Drug/Non-Drug Name	Drug/Non-Drug Code	Preferred Item	Default Packaging Description	SKU	Indenter's Information (SKU)					Supplying Unit Information (Quantity) (SKU)							Close
					Buffer Level	Stock Available	Usage & Issue Quantity	Indent Quantity	Max Storage	Stock Available	Recommended Issue	Pending	Amount (RM)	Supply Status	Last Issued Date	Last Issued Quantity	
Calcium Carbonate 500mg Capsule	A12AA04121C1001XX	Calcium Carbonate 500mg Capsule	pack of 1000 capsule	capsule	25,000	0	0	2,000	30,000	0	0 Edit	2,000	0.00	Open	-	0	<input type="checkbox"/>
Acyclovir 800 mg Tablet	J05AB01000T1002XX	Acyclovir 800 mg Tablet	box of 35 tablet	table	1,120	299	0	100	1,400	0	0 Edit	100	0.00	Open	-	0	<input type="checkbox"/>
Baclofen 10 mg Tablet	M03BX01000T1001XX	Baclofen 10mg Tab (Blister)	Pack of 50 tabs (Blister)	table	2,000	897	0	500	4,000	4,428	500 Edit	0	368.30	Fully Supply	-	0	<input type="checkbox"/>



iii. Indenter - Stock Available

INDENTER'S STOCK DETAILS

Drug/Non-Drug Name: Acetazolamide 250 mg Tablet Drug/Non-Drug Code: S01EC01000T1001XX
 Unit Name: Farmasi Bekalan Wad - Rx Filling

1 / 1 [1 - 1 / 1]

Item Code	Batch No.	Brand Name	Expire Date	Average Unit Price (RM)	Stock Available	SKU
02.0001.02	BF09575	ACETOMID	30/09/2018	0.1740	93	tablet
Total Quantity					93	

iv. Usage Quantity Details

USAGE QUANTITY DETAILS

Category: Periodic Quantity Accumulated Quantity

Date Range	Issue Quantity (SKU)	Usage Quantity (SKU)
05/12/2017 - 05/01/2018	0	0
05/11/2017 - 05/12/2017	0	0
05/10/2017 - 05/11/2017	0	0
Total 90 days	0	0

v. Supplying Unit - Stock Available

SUPPLIER'S STOCK DETAILS

Drug/Non-Drug Name: Enalapril 5 mg Tablet Drug/Non-Drug Code: C09AA02253T1001XX
 Unit Name: Farmasi Bekalan Wad (FBW)

1 / 1 [1 - 1 / 1]

Item Code	Batch No.	Brand Name	Expire Date	Average Unit Price (RM)	Stock Available	SKU
02.0807.01	eew	PHARMANIAGA	29/11/2018	0.1623	2,330	tablet
Total Quantity					2,330	

vi. Issue Quantity

ISSUE QUANTITY

Preferred Item code: 02.0807.01 Preferred Item Desc: Enalapril 5 mg Tablet

1 / 1 [1 - 1 / 1]

Drug/Non-Drug Name	Drug/Non-Drug Code	Item Code	SKU	PKU	Packing Description	Batch No.	Brand Name	Batch Expire Date	Stock Available (SKU)	Stock Available (PKU)	Average Unit Price	Issue Quantity (SKU)	PKU Issue Quantity
Enalapril 5 mg Tablet	C09AA02253T1001XX	02.0807.01	tablet	pack	pack of 30 tablet	eew	PHARMANIAGA	29/11/2018	2,330	77	0.0000	1,000	33.33
Total Quantity											1,000		

vii. Approval

RECOMMENDED ISSUE QUANTITY (INTRA FACILITY)	
<input type="button" value="Approve"/> <input type="button" value="Reject"/> <input type="button" value="Print"/> <input type="button" value="Close"/>	
RECOMMENDED ISSUE QUANTITY INFORMATION	
Indent No.	K17019011
Unit Name	Farmasi Bekalan Wad - Rx Filling
Send Indent To	Farmasi Bekalan Wad (FBW)
Supplying Unit	Farmasi Bekalan Wad (FBW) <input type="button" value="Level 2"/>
Indent Type	Online Indent
Total No. of Items Fully Supply	1
Total No. of Items Partially Supply	1
Total No. of Items	3
UOM	<input checked="" type="radio"/> SKU <input type="radio"/> PKU
Indent Date	18/12/2017
RIQ Type	FIFI
Indent By	Pharmacist 2
Indenter Remark	
Item Group	DRUG
Total Amount (RM)	162.30
Indent Status	Open
RIQ Status	Draft
Issuer Remarks	

Notes

- Save record and update issue quantity (for user without approval role)
- Save record and Approve/Reject (for user with approval role)

Cross References

3.2.4.2.2 Application Business Rules

No.	Name	Description
1.	Item List	<p>Item list will display the following information:</p> <ol style="list-style-type: none"> Drug/Non-Drug Code Drug/Non-Drug Name Preferred Item Default Packaging Description SKU Indenter Information <ul style="list-style-type: none"> • Buffer level • Stock Available • Usage & Issue Quantity • Indent Quantity • Max Storage Supplying Unit Information <ul style="list-style-type: none"> • Stock Available • Recommended Issue • Pending • Amount (RM) • Supply Status • Last Issue Date Last Issue Quantity Close
2.	Indenter Stock Available	<ol style="list-style-type: none"> Display stock available for Indenter unit. Details screen will display list of stock available as below: <ul style="list-style-type: none"> • Item Code



No.	Name	Description
		<ul style="list-style-type: none"> • Batch No. • Brand Name • Expire Date • Average Unit Price (RM) • Stock Available • SKU • Total Total quantity will be calculated based on Stock Available
3.	Indenter Usage & Issue Quantity	Display Total Issue Quantity (SKU) for 90 days total. Click on the hyperlink to view the Usage Quantity Details pop up screen. Refer to section View Usage & Issue Qty for the screen details.
4.	Supplying Unit Stock Available	i. Display stock available for Supplying unit. ii. Details screen will display list of stock available as below: <ul style="list-style-type: none"> • Item Code • Batch No. • Brand Name • Expire Date • Average Unit Price (RM) • Stock Available • SKU • Total Total quantity will be calculated based on Stock Available
5.	Recommended Issue	i. Recommended Issue Quantity <ul style="list-style-type: none"> • If 'Supplying Unit Stock Available' > 'Indent Quantity', quantity will be defaulted to Indent Quantity • If 'Supplying Unit Stock Available' < 'Indent Quantity', quantity will be defaulted to stock available. • If 'Supplying Unit Stock Available' = 0, quantity will be defaulted to 0. ii. User able to change the quantity by clicking on 'Edit' link. Issue quantity screen will be displayed. iii. Issue quantity will display list of stock available for that supplying unit as below: <ul style="list-style-type: none"> • Drug/Non-Drug Name • Drug/Non-Drug Code • Item Code • SKU • PKU • Packing Description • Batch No. • Brand Name • Batch Expire Date • Stock Available (SKU) • Stock Available (PKU) • Average Unit Price • Issue Quantity(SKU)



No.	Name	Description
		<ul style="list-style-type: none"> • PKU Issue Quantity • Total quantity will be calculated based on 'Issue Quantity' iv. If user choose UOM = PKU, allocation will be done in multiplication of PKU conversion quantity. v. Issue quantity cannot more than stock available
6.	Supply Status	i. If 'Recommended Issue' = 'Indent Quantity', Supply Status = Fully Supply ii. If 'Recommended Issue' < 'Indent Quantity', Supply Status = Partially Supply iii. If 'Supplying Unit Stock Available' = 0, quantity will be defaulted to 0, Supply Status = Open.
7.	Close	i. Only applicable if the item level status is Open and Partial Supply only. ii. On click of Close checkbox, Approved Quantity and Amount will be 0. Supply Status will be updated to Closed. iii. User can partially close the request be selecting item to be closed.
8.	Save RIQ	On click of save button: i. RIQ status update as 'Draft' ii. 'Approve' button will be displayed iii. 'Supplying Unit' will be disabled iv. SKU will be disabled
9.	Issue History	Issue history for the selected drug from previous transaction. Double click on drug in RIQ Item list. Issue history list will display the following information: i. Drug/Non-Drug Name ii. Drug/Non-Drug Code iii. SKU iv. Default Packaging Description v. Indent Quantity vi. Issue Quantity vii. Pending Quantity viii. Average Unit Price (RM) ix. Amount (RM) x. Issue Note No.
10.	Reject button	i. Only available if Indent Status = Open & RIQ Status = Draft ii. Only available if at item level do not have any partial supply, full supply or reject supply Indent. iii. Once click button Reject Indent, 'Reject Indent Reason' will be displayed for user to enter. Once reason is entered and click on reject button status will be updated: <ul style="list-style-type: none"> • Approval Status = 'Rejected' • Indent status = 'Closed' • RIQ Status = 'Close' iv. Rejected record will be displayed in Rejected Issue screen, Issue Request Type = RIQ.



No.	Name	Description
		v. Record will be remove from task list
11.	Approve button	i. One of the item must be allocated before approval can be done ii. Once approved, status will be updated: <ul style="list-style-type: none"> • Approval Status = 'Approved' • Indent status <ul style="list-style-type: none"> ○ Closed if all items are supplied. ○ Open if only partial items supplied. • RIQ Status = 'Approved' iii. Pending Receive Quantity will be displayed at indenter screen. iv. Indent will be displayed in Issue Screen, Issue Request Type = RIQ. v. Issue record will be displayed in task list for supplying unit. Type = 'Issuing' with status 'Pending to Issue' vi. Stock will be deducted for supplying unit *Approval button only will be displayed for user with approval roles
12.	Issue No	Issue No will be generated.
13.	Receipt No	Receipt No will be generated.

3.2.4.2.3 Input Validation Rules

No.	Name	Description	Mandatory	Format
RIQ Header				
1.	Indent No.	Display indent no	Yes	Read-only
2.	Unit Name		No	Read-only
3.	Send Indent To	Display send indent no (supplying unit selected during indent)	No	Read-only
4.	Supplying Unit	List of supplying unit i. Supplying unit selected during indent ii. Other unit supplying under selected supplying unit	Yes	Searching field
5.	Indent Type	Display indent type	No	Read-only
6.	Total No. of Items Fully Supply	Total No. of items where status = 'Fully Supply' or 'Closed'	No	Read-only
7.	Total No. of Items Partially Supply	Total No. of items where status = 'Open' or 'Partially Supply'	No	Text field
8.	Total No. of Items	Total number of item requested	No	Read-only
9.	UOM	Radio button with selection of SKU or PKU. Default selection to SKU.	No	Radio button
10.	Indent Date	Display based on the record created date <i>Format: dd/mm/yyyy</i>	No	Read-only



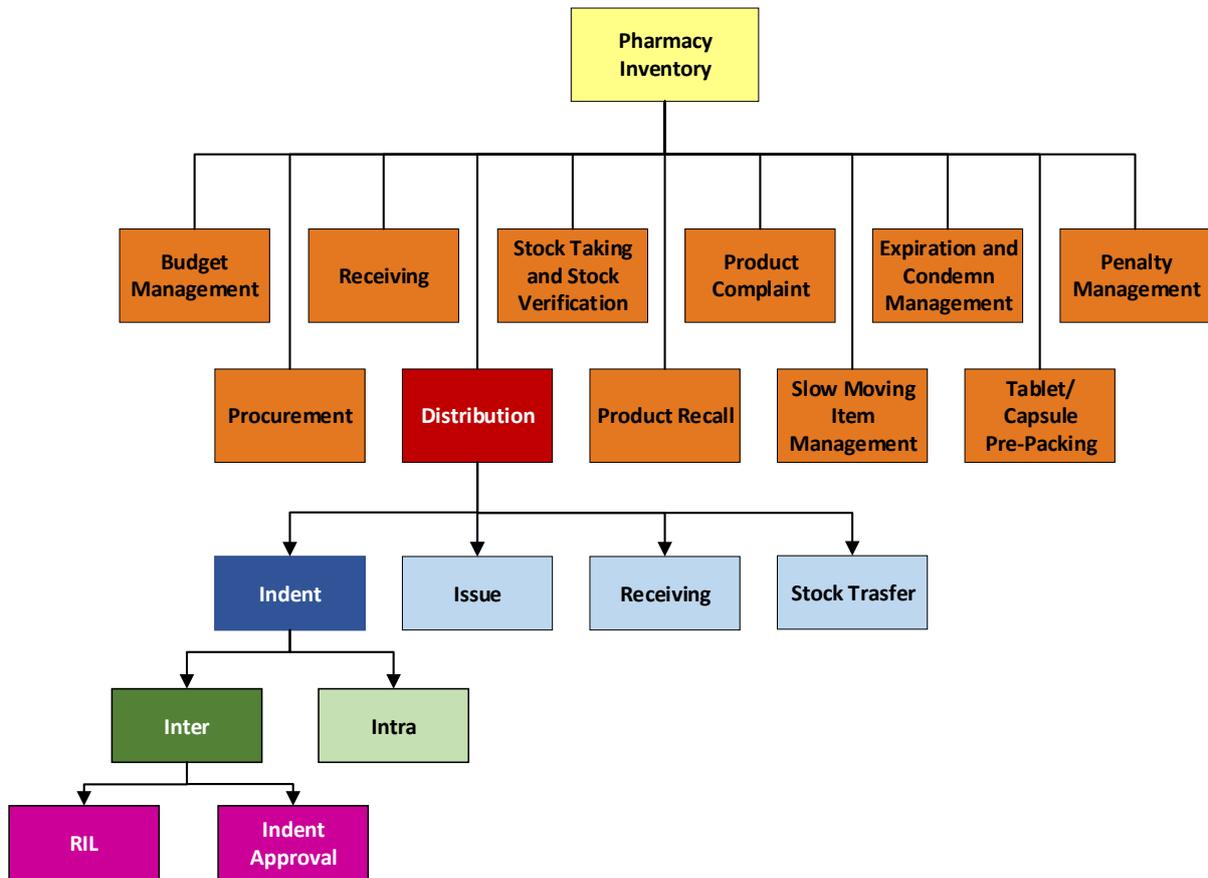
No.	Name	Description	Mandatory	Format
11.	RIQ Type	Display RIQ based on indent. It can be: <ul style="list-style-type: none"> FIFO Urgent/Priority 	No	Read-only
12.	Indent By	Display Indenter creator name (Created by)	No	Read-only
13.	Indenter Remark	Display remarks from indenter	No	Read-only
14.	Item Group	Display item group	No	Read-only
15.	Total Amount (RM)	Total amount issue based on Recommended issue quantity * Price.	No	Read-only
16.	Indent Status	Default to Open	No	Read-only
17.	RIQ Status	Default to Draft	No	Read-only
18.	Issuer Remark	User to enter free text value with maximum 100 characters.	No	Text field
19.	Reject Indent Reason	User to enter free text value with maximum 100 characters. Mandatory if user want to reject the indent.	Yes	Text field
Issue Quantity				
20.	Issue Quantity (SKU)	If UOM = SKU, this field will be enable Numeric value with maximum 9 digits If user enter the quantity in SKU, convert the value for PKU = Quantity in SKU/Conversion Factor Quantity cannot more than stock available quantity	Yes	Text field
21.	Issue Quantity (PKU)	If UOM = PKU, this field will be enable Numeric value with maximum 15 digits with 2 decimal point If user enter the quantity in PKU, convert the value for SKU = Quantity in PKU * Conversion Factor	Yes	Text field

3.4.5 Integration

None

3.5 Indent – Inter facility

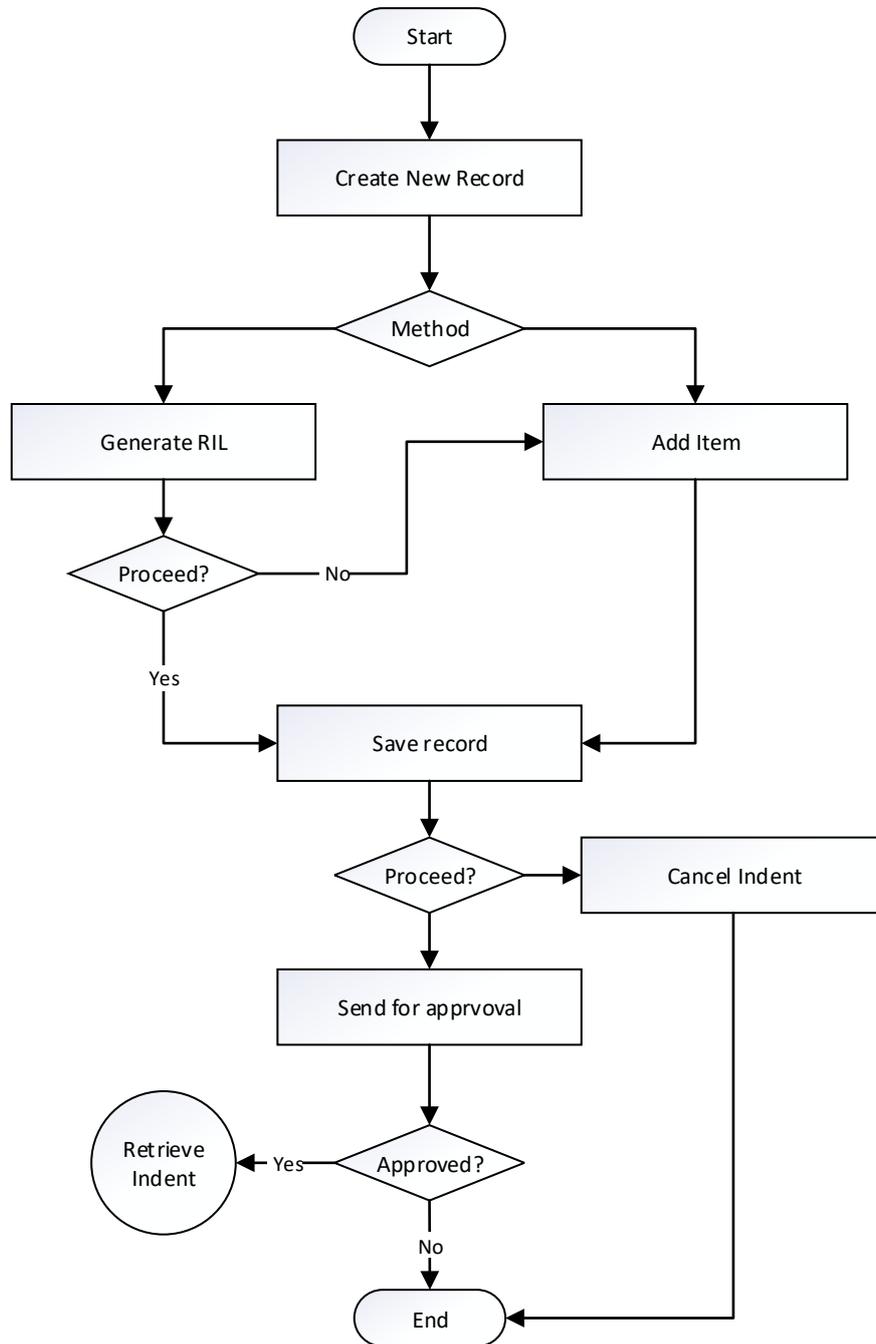
3.5.1 Overview



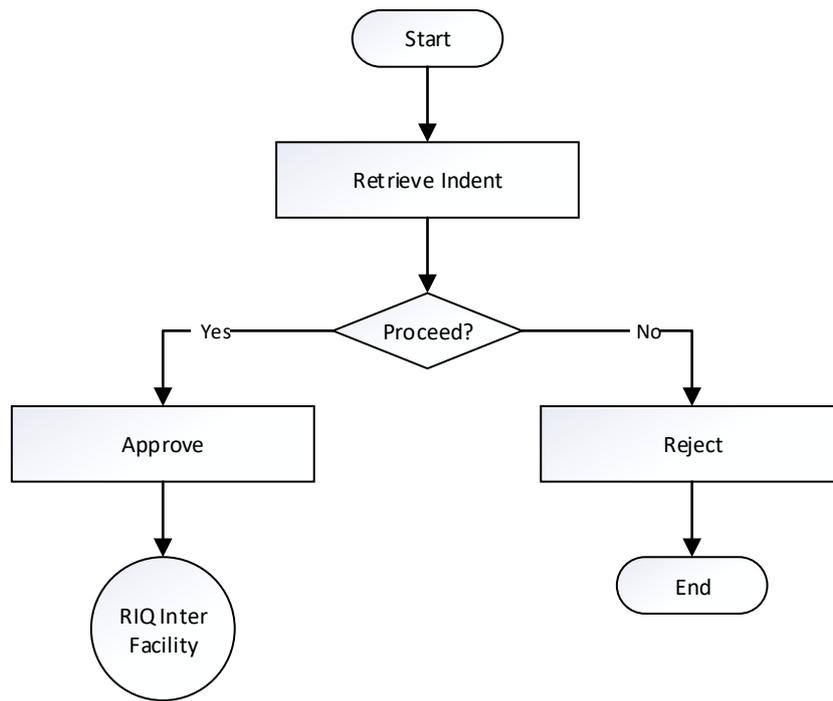
3.5.2 Purpose

Indent intra facility in the PhIS consist of indenting between the facility. The indenting process begins at the main store level where the personnel indent drugs and non-drugs routinely via Recommended Indent List (RIL) or at ad-hoc situation via supplementary where there is a sudden need to require the items.

3.5.3 Screen Navigation Diagram



Screen Navigation: Indent – Inter Facility



Screen Navigation: Indent – Retrieve Indent - Intra Facility



3.5.4 Detail Functionality and Screen

3.5.4.1 Inter Facility Indent Listing

3.2.4.1.1 Screen Design

ID	EFI.SD1
Description	Inter facility indent listing

Diagram

i. Indent Listing

INTER FACILITY INDENT

Retrieve Download Request +

Indent No. [] Item Group: All

External Indent No. [] Indent Date To []

Indent Date From [] Approval Status: All

Created By [] Drug/Non-Drug Name []

Indent Status: All Search

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Indent No.	External Indent No.	Indent Date	Created By	Indent's Facility	Item Group	No. of Items	Amount (RM)	Indent Status	Approval Status	Sent to Facility Status
R18016846		07/03/2018	S A	Hospital Miri	NON-DRUG	1	0.00	Open	Approved	Yes
R18016845		06/03/2018	F S	Hospital Miri	DRUG	3	614.07	Open	Approved	Yes
R01PS001-0016817	R17001096	22/02/2017	N S L	Klinik Kesihatan Kulim	DRUG	2	821.60	Closed	Approved	Yes
R01PS001-0016790	R17000172	21/02/2017	N S L	Klinik Kesihatan Air Itam	DRUG	1	75.24	Closed	Approved	Yes
R01PS001-0016746	R17001371	20/02/2017	N S L	Hospital Bukit Mertajam	DRUG	1	1,015.16	Closed	Approved	Yes
R17015932		18/01/2017	N S	Hospital Raja Perempuan Zainab II,	DRUG	2	1,420.00	Closed	Approved	Yes

ii. Retrieve Indent

EXTERNAL INDENT LIST

Retrieve X

1 / 3 [1 - 10 / 28]

	Facility Name	External Indent No.	External Indent Date	No. of Items
<input type="checkbox"/>	Hospital Kulim	R18001856	30/03/2018 03:40:17 PM	1
<input type="checkbox"/>	Klinik Kesihatan Greentown	R18000088	28/02/2018 05:01:39 PM	10
<input type="checkbox"/>	Klinik Kesihatan Greentown	R18000081	27/02/2018 03:38:03 PM	1
<input type="checkbox"/>	Klinik Kesihatan Greentown	R18000080	27/02/2018 03:26:32 PM	1
<input type="checkbox"/>	Hospital Marudi	R 800318	22/02/2018 00:15:47 PM	1
<input type="checkbox"/>	Hospital Kapit	R 800480	21/02/2018 01:45:31 PM	2
<input type="checkbox"/>	Hospital Lahad Datu	R 800085	09/02/2018 08:36:07 AM	1
<input type="checkbox"/>	Hospital Enche Besar Hajah Kalsom Kluang	R17007694	06/12/2017 09:51:13 AM	1
<input type="checkbox"/>	Hospital Simunjan	R17003353	06/12/2017 08:01:53 AM	1
<input type="checkbox"/>	Hospital Limbang	R17011616	27/11/2017 03:40:21 PM	1

iii. Approval

Approve
Reject
Print
Close

Indent No. <input type="text" value="R1813PS001-0001690"/>	Indent Date <input type="text" value="02/04/2018 03:21:30 PM"/>
Unit Name <input type="text" value="LOGISTIC PHARMACY"/>	Item Group <input type="text" value="DRUG"/>
Remark <input type="text"/>	Reject Reason <input type="text"/>

ADD INDENT ITEM

Drug/Non-Drug Code	Drug/Non-Drug Name	Preferred Item	Item Purchase Type	SKU	Avg Usage	Buffer Level	Stock Available	Indent Quantity (SKU)	Approved Quantity (SKU)	Average Unit Price (RM)	Amount (RM)	Urgent
A11CC04000C1001XX	Calcitriol 0.25mcg Capsule	Calcitriol 0.25mcg Cap	APPL	capsule	76,000	25,333	73,900	1,000	1,000	0.2625	262.50	<input type="checkbox"/>
Total Amount (RM)											262.50	

Notes

- Click on Add button to create new indent
- Click on search button to search for the indent transaction
- Double click on transaction record to view the transaction

Cross References

3.2.4.1.2 Application Business Rules

No.	Name	Description
1.	Search Transaction	<p>Click on the 'Search' button to search the existing record:</p> <ol style="list-style-type: none"> i. If user enters multiple search criteria, system will display the search results based on the specified criteria ii. If no criteria entered, system will display all transactions iii. System will display the records that match any keyword entered regardless of the letter type (uppercase or lowercase).
2.	Indent Transaction	<p>List will display indent record created by facility and indent record receive from other facility. Double click on any record to view the record details.</p> <p>List will display the following information:</p> <ol style="list-style-type: none"> i. Indent No. <ul style="list-style-type: none"> For indent created by facility it will display 'Inter Facility (Out)' format For indent receive from other facility it will display 'Inter Facility (In)' format. This number generated when data is retrieve to receiver facility. ii. External Indent No. <ul style="list-style-type: none"> For indent created by facility it will display <blank> For indent receive from other facility it will display indent number from other facility. iii. Indent Date <ul style="list-style-type: none"> For indent created by facility it will display <blank> For indent receive from other facility it will display indent number from other facility. iv. Created By <ul style="list-style-type: none"> For indent created by facility it will display indent creator name For indent receive from other facility it will display name of user who



No.	Name	Description
		<p>retrieve the indent.</p> <ul style="list-style-type: none"> v. Indent's Facility <ul style="list-style-type: none"> • For indent created by facility it will display name of facility the indent sent to • For indent receive from other facility it will display of the facility sending the indent. vi. Item Group vii. No. of Items viii. Amount (RM) ix. Indent Status x. Approval Status xi. Sent to Facility Status
3.	Create New Transaction	<p>Click on the 'Create New Record (+)' button to create new transaction record.</p> <ul style="list-style-type: none"> • Level 1 user - able to do all type of inter facility indent • Level 2 user - able to do inter facility indent for SPUB and manufacturing only if configured. • Level 3 user - able to do inter facility indent for SPUB and manufacturing only if configured.
4.	Refresh Listing	<p>Click on the 'Refresh' button to reset all search criteria:</p> <ul style="list-style-type: none"> i. Indent No. – Display as empty field ii. External Indent No. – Display as empty field iii. Indent Date From – Display as empty field iv. Created By – Display as empty field v. Indent Status – All vi. Item Group – All vii. Indent Date To – Display as empty field viii. Approval Status – All ix. Drug/Non-Drug Name – Display as empty field <p>Search results will display all records based on above reset search criteria.</p>
5.	Retrieve	<p>Click on retrieve button to download indent request from other facility. After download user can proceed with other transaction.</p> <p>Pending Approval indent will be displayed in task List. Type = Indent(External) with status 'Pending For Approval'</p>
6.	Download Request	<p>Able to download list of drugs where indent status still 'Open' in excel format.</p> <ul style="list-style-type: none"> i. Drug Name ii. SKU iii. Suggestion item name iv. package description v. PKU vi. List of facilities with requested quantity vii. Total quantity
7.	Reject	<p>On click of 'Reject' button:</p> <ul style="list-style-type: none"> i. Approval status updated to 'Rejected'



No.	Name	Description
		ii. Indent status updated to 'Closed' iii. All fields display as read-only iv. Pending Approval record will be removed from task list.
8.	Approve	On click of 'Approve' button: i. Indent status remain as 'Open' ii. Approval status updated to 'Approved' iii. Indent date will be updated with Approved date iv. Record will be displayed in RIQ v. Pending Approval record will be removed from task list. vi. All fields display as read-only

3.2.4.1.3 Input Validation Rules

No.	Name	Description	Mandatory	Format
1.	Indent No.	Field will display all existing Indent No. belongs to the ward/unit	No	Searching field
2.	External Indent No.	Field will display all existing external Indent No. belongs to the ward/unit	No	Searching field
3.	Indent Date From	User to select date from the calendar. Click on the calendar icon to display the calendar.	No	Calendar
4.	Indent Date To	User to select date from the calendar. Click on the calendar icon to display the calendar.	No	Calendar
5.	Created By	Field will display all user (active and inactive) as per in Maintenance > Security > User Profile screen. User able to search based on User First name and User Last name. Compare selected value with indent creator.	No	Searching field
6.	Indent Status	Value refer to reference code, domain = 'INDENT_STATUS'. Default to 'All' however user can select specific indent status: <ul style="list-style-type: none"> • Cancel • Close • Fully Supply • Open • Partial Supply • Reject 	No	Drop down list
7.	Item Group	Value refer to reference code, domain = 'ITEM_GROUP' Default to 'All' however user can select specific value: <ul style="list-style-type: none"> • Drug • Non-Drug 	No	Drop down list
8.	Approval Status	Value refer to reference code, domain = 'INDENT_APPROVAL_STATUS' Default to 'All' however user can select specific transaction type:	No	Drop down list



No.	Name	Description	Mandatory	Format
		<ul style="list-style-type: none">• Approved• Pending for Approval• Rejected		
9.	Drug/Non-Drug Name	Only enable if user choose Item Group = Drug or Non-Drug. On click of search indent list, only indent with selected drug/non-drug will be displayed.	No	Searching field



3.5.4.2 Inter Facility Indent

3.2.4.2.1 Screen Design

ID	EFI.SD2
Description	To create inter facility indent record

Diagram

i. New indent

ii. Add item



iii. Item list (manual indent)

ADD INDENT LIST																	
[1 - 2 / 2]																	
Drug / Non-Drug Code	Drug/Non-Drug Name	Item Type	Item Name	Item Code	Packaging Description	SKU	Usage & Issue Quantity	Stock Available Quantity	Indent Quantity (SKU)	Approved Quantity (SKU)	Back Order Quantity (Indent)	Pending Receive Quantity	Average Unit Price (RM)	Amount (RM)	Item Status	Urgent	
<input type="checkbox"/>	C02 CA0 1110 T100 2XX	Prazosin HCl 2 mg Tablet	APPL	Prazosin HCl 2mg Ta	02.3015.05	Pack of 100 tabs (Blister)	tablet	0	20,000	500	0	0	0	0.0823	41.15	Open	<input type="checkbox"/>
<input type="checkbox"/>	B01 AC0 5110 T100 1XX	Ticlopidine HCl 250 mg Tablet	Contract	Ticlopidine HCl 250 m	B01AC05110T 1001XX.01	Box of 30 tab	tablet	0	0	500	0	0	0	0.1533	76.65	Open	<input type="checkbox"/>

iv. Item list (RIL)

INTER FACILITY INDENT																	
[1 - 10 / 171]																	
Drug / Non-Drug Code	Drug/Non-Drug Name	Item Type	Item Name	Item Code	Packaging Description	SKU	Usage & Issue Quantity	Stock Available Quantity	Indent Quantity (SKU)	Approved Quantity (SKU)	Back Order Quantity (Indent)	Pending Receive Quantity	Average Unit Price (RM)	Amount (RM)	Item Status	Urgent	
<input type="checkbox"/>	A10 BF01 000T 1001 XX	Acarbose 50 mg Tablet	Contract	Acarbose 50 mg Tabl	A10BF01000T 1001XX.01	Box of 100 tab	tablet	100	11,700	78,300	0	0	0	0.1090	8,534.70	Open	<input type="checkbox"/>
<input type="checkbox"/>	B01 AC0 6259 T100 1XX	Acetylsalicylic Acid 100 mg Glycine 45 mg Tablet	Contract	Acetylsalicylic Acid 100 mg Glycine 45 mg Tablet	B01AC06259T 1001XX.01	box of 30 tablet	tablet	0	6,000	54,000	0	0	0	0.0627	3,385.80	Open	<input type="checkbox"/>
<input type="checkbox"/>	N02 BA0 1000 T400 1XX	Acetylsalicylic Acid 300 mg Soluble Tablet	APPL	Acetyl Salic Ac Sol. 3	02.0003.05	Pack of 30 tabs (Blister)	tablet	0	22,500	45,000	0	0	0	0.1390	6,255.00	Open	<input type="checkbox"/>
<input type="checkbox"/>	D05 BB0 2000 C100 2XX	Acitretin 25mg Capsule	LP	Acitretin 25mg Capsu	D05BB02000 C1002XX.01	Pack of 100 cap	capsule	100	480	1,320	0	0	0	7.7292	10,202.54	Open	<input type="checkbox"/>
<input type="checkbox"/>	J05A B010 001T 001X X	Acyclovir 200 mg Tablet	APPL	Acyclovir 200mg Tab	07.0018.02	Pack of 25 tabs (Blister)	tablet	0	350	2,050	0	0	0	0.6124	1,255.42	Open	<input type="checkbox"/>
<input type="checkbox"/>	J05A B010 001T 002X X	Acyclovir 800 mg Tablet	LP	Acyclovir 800 mg Tab	J05AB01000T 1002XX.01	box of 35 tablet	tablet	0	1,050	1,350	0	0	0	0.5644	761.94	Open	<input type="checkbox"/>
<input type="checkbox"/>	A11 CC0 3000 C100	Alfacalcidol 1mcg Capsule	LP	Alfacalcidol 1mcg Cap	A11CC03000 C1002XX.01	Box of 100 cap	capsule	0	4,000	5,000	0	0	0	0.7800	3,900.00	Open	<input type="checkbox"/>

v. Pending Receive Quantity

PENDING RECEIVE QUANTITY DETAILS				
Indent No.	Request Date	Issue No.	Issue Date	Pending Receive Quantity (SKU)
No Records Found!				

vi. Send For Approval

Send for Approval Cancel Indent

INDENT INFORMATION

Indent No. <input type="text" value="R18016850"/>	Indent Date <input type="text" value="23/03/2018"/>
Request Indent Type <input type="text" value="Inter Facility"/>	Send Indent To (Facility) <input type="text" value="Hospital Miri"/>
Facility <input type="text" value="Hospital"/>	Created By <input type="text" value="Pharmacist Store"/>
Item Group <input type="text" value="DRUG"/>	Item Sub Class <input type="text" value="Tablet/Capsule"/>
View Near Expiration Quantity <input type="radio"/> No <input type="radio"/> Yes	No. of Items <input type="text" value="2"/>
Total Amount (RM) <input type="text" value="117.90"/>	Indent Status <input type="text" value="Open"/>
Send to Facility Status <input type="text" value="No"/>	Approval Status <input type="text" value=""/>
Remark <input type="text" value=""/>	Indent category <input type="text" value="Normal"/>
Item Purchase Type <input type="text" value="All"/>	

vii. Approval

Approve Reject

INDENT DETAIL

Indent No. <input type="text" value="R18001856"/>	Indent Date <input type="text" value="30/03/2018 03:40:17 PM"/>
Unit Name <input type="text" value="Farmasi Logistik"/>	Item Group <input type="text" value="DRUG"/>
Remark <input type="text" value=""/>	Reject Reason <input type="text" value=""/>

ADD INDENT ITEM

Drug/Non-Drug Code	Drug/Non-Drug Name	Preferred Item	Item Purchase Type	SKU	Avg Usage	Buffer Level	Stock Available	Indent Quantity (SKU)	Approved Quantity (SKU)	Average Unit Price (RM)	Amount (RM)	Urgent
A10BF01000T1001XX	Acarbose 50 mg Tablet	Acarbose 50 mg Tablet	Contract	tablet	15,000	61,000	2,000	1,000	1,000	0.0732	73.20	<input type="checkbox"/>
Total Amount (RM)											73.20	

Notes

- Click on Generate RIL to generate RIL list
- Add/Delete Item if necessary
- Save record and Send for Approval (for user without approval role)
- Save record and Approve/Reject (for user with approval role)

Cross References

3.2.4.2.2 Application Business Rules

No.	Name	Description
1.	New indent record	Create new allocation record: <ol style="list-style-type: none"> User to fill in all required details Record status displayed as 'Open' by default
2.	Generate RIL	<ol style="list-style-type: none"> System will auto calculate the Suggested Indent Qty for selected Item Group, Item Sub Group and Item Status is Active which is maintained in the Unit Catalog for the Indenting Unit. Formula for calculating the Indent Qty: $\text{Indent Quantity} = \text{Max Storage} - (\text{Stock Available} + \text{Pending To})$



No.	Name	Description
		<p><i>Receive + Back Order)</i></p> <p>iii. RIL criteria</p> <ul style="list-style-type: none"> • Stock available + Pending to receive + Back order < Buffer level • Indent Quantity > 0 <p>iv. If Stock Available + Pending to receive ≥ Max Storage, system not allow user to Generate in RIL and add item manually by Add Item button</p> <p>v. If drug still have Pending to Receive in system but the Indent Qty is more than 0, when Generate RIL or add item manually by Add Item button, system will prompt message 'Still have pending item which not be received'</p> <p>vi. Indent Quantity also calculated based on Conversion Factor of Item Preferred. If indent quantity suggested is not same as packaging, the calculation based on round up the value based on the packaging</p> <p>vii. To display near expiration quantity based on duration entered.</p>
3.	Add item	<p>i. Click on Add item button to add item to the list. Item will be displayed based on indenter unit catalogue. For main store, refer to facility catalogue.</p> <p>ii. Click on item to manually add item to the list. Enter required fields and click on save button to add item to the list.</p>
4.	Item List	<p>Item list will display the following information:</p> <ol style="list-style-type: none"> i. Drug/Non-Drug Code ii. Drug/Non-Drug Name iii. Item Type iv. Preferred Item <ul style="list-style-type: none"> • Item Name • Item Code • Package description v. SKU vi. Max Storage vii. Usage & Issue Quantity viii. Stock Available Quantity ix. Indent Quantity (SKU) x. Approved Quantity (SKU) xi. Back Order Quantity (Indent) xii. Pending Receive Quantity xiii. Near Expiration Quantity (<i>for RIL only</i>) xiv. Average Unit Price (RM) xv. Amount (RM) xvi. Item Status xvii. Urgent
5.	Average Unit Price	<p>i. If there is Preferred Item selected, Average Unit Price will be based on Item Average Price (SKU). Item Average Price (SKU) can be refer in Item Master.</p> <p>ii. If there is no Preferred Item selected for the Drug indent, Average Unit</p>



No.	Name	Description
		Price will be based on Drug Average Price (SKU).
6.	Usage & Issue Quantity	Display Total Issue Quantity (SKU) for 90 days total. Click on the hyperlink to view the Usage Quantity Details pop up screen. Refer to section View Usage & Issue Qty for the screen details.
7.	Pending Receive Quantity	i. Display total of item pending receiving (item has been issued by issuer). ii. List will display the following information: <ul style="list-style-type: none"> • Indent No. • Request Date • Issue No. • Issue Date • Pending Receive Quantity (SKU)
8.	Urgent item	To indicate item as urgent. Urgent item will be highlighted at supplying unit.
9.	Delete item	Select item by check on the checkbox and click on delete button. Selected item will be removed from the list
10.	Save record	i. Validation on number of item per transaction: <ul style="list-style-type: none"> ➤ West Malaysia <ul style="list-style-type: none"> ➤ Same PTJ No limit on item per indent ➤ Different PTJ Item per indent cannot more than 10 ➤ East Malaysia <ul style="list-style-type: none"> ➤ From Sabah to Sabah, or Sarawak to Sarawak No limit on item per indent ➤ From Sabah to Sarawak or West Malaysia Item per indent cannot more than 10 ➤ From Sarawak to Sabah or West Malaysia Item per indent cannot more than 10 ii. Click on save button to save indent record. <ul style="list-style-type: none"> • Indent status remain as 'Open' • Send to Facility Status = No
11.	Cancel Indent	User able to 'Cancel Indent' once already save record but before send for approval. Status will update to 'Cancelled' after user cancel request. All fields will be displayed as read-only.
12.	Send for Approval	On click of 'Send for Approval' button: <ol style="list-style-type: none"> i. Approval status updated to 'Pending for Approval' ii. All fields display as read-only iii. Indent record will be displayed in task list for approver. Type = Indent(External) with status 'Pending For Approval'
13.	Reject item	i. On click of reject checkbox, Approved Quantity and Amount will be 0. ii. User can partially approve the request by selecting item to reject.
14.	Reject button	On click of 'Reject' button: <ol style="list-style-type: none"> i. Approval status updated to 'Rejected'

No.	Name	Description
		ii. Indent status updated to 'Close' iii. All fields display as read-only
15.	Approved button	On click of 'Approve' button: i. Indent status remain as 'Open' ii. Approval status updated to 'Approved' iii. Indent date will be updated with Approved date iv. All fields display as read-only v. Backorder quantity will be updated vi. KEW.PS-10 (for Main store) & KEW.PS-11 (for Sub-store) button will be displayed. vii. Indent will be send to the other facility *User able to re-send the indent if the sending fail.
16.	Receive by other facility	Indent record will be displayed at other facility external notification in 'Online Indent Request Received'

3.2.4.2.3 Input Validation Rules

No.	Name	Description	Mandatory	Format
Indent Header				
1.	Indent No.	This field will automatically be assigned with a system generated allocation no when user saves the transaction.	Yes	Read-only
2.	Request Indent Type	Default to 'Intra Facility'	No	Read-only
3.	Facility	Value refer to reference code, domain = 'INDENT_PRIORITY'. <ul style="list-style-type: none"> • Clinic • Hospital • MUSN/PBFN • PKD 	Yes	Drop down list
4.	Unit Name	Default to user unit from Maintenance>Security>User Profile. However, user able to choose another unit same group level with user unit.	No	Searching field
5.	Item Group	Value refer to reference code, domain = 'ITEM_GROUP' Default to 'Drug' however user can select specific value: <ul style="list-style-type: none"> • Drug • Non-Drug 	Yes	Drop down list
6.	View Near Expiration Quantity	Radio button with Yes/No selection. Defaulted to No. If value = Yes, display text field to enter value in days. Numeric value with maximum 5 digits. This information will be displayed when generate RIL.	No	Radio button and Text field
7.	Total Amount (RM)	Total amount of item selected in item list	No	Read-only



No.	Name	Description	Mandatory	Format
8.	Remark	User to enter free text value with maximum 100 characters.	No	Text field
9.	Send to Facility Status	Default to 'No'. Update to 'Yes' once successfully send during approval.	No	Read-only
10.	Item Purchase Type	Value refer to reference code, domain = 'ITEM_TYPE' Default to 'All' however user can select specific value: <ul style="list-style-type: none"> • APPL • Contract • LP 	No	Drop down list
11.	Indent Date	Display based on the record created date <i>Format: dd/mm/yyyy</i>	Yes	Read-only
12.	Send Indent To (Facility)	List of active facility from external facility list. Filter by 'Facility' type value selected.	Yes	Searching field
13.	Created By	User who created/saved the record. Displayed based on user's first name and last name from Maintenance>Security>User Profile.	Yes	Read-only
14.	Item Sub Class	Item Sub Class will be displayed based on item group selected. Default to <blank>	No	Drop down list
15.	No. of Items	Total item selected in item list	No	Read-only
16.	Indent Status	For new indent default status to 'Open'	No	Read-only
17.	Approval Status	For new indent default status to <blank>	No	Read-only
18.	Indent Category	User can indent for the following type based on setting for that unit: <ul style="list-style-type: none"> • Normal - Normal indent can be done by Main Store only. • SPUB – Only can be done by unit configure as 'SPUB Indenter Unit' • Manufacturing - Only can be done by unit configure as 'Manufacturing Indenter Unit' 	No	Drop down list
Add Item				
19.	Standard Item	Default to 'All' however user can select specific value: <ul style="list-style-type: none"> • Yes • No 	No	Drop down list
20.	Drug Name	List of drugs active for selected Indenting Unit. Based on: <ol style="list-style-type: none"> Active in unit catalogue Selected Item Class Ward stock = No 	Yes	Searching field
21.	Drug Code	Display drug code for the selected drug	No	Read-only
22.	SKU	Display SKU for the selected drug	No	Read-only



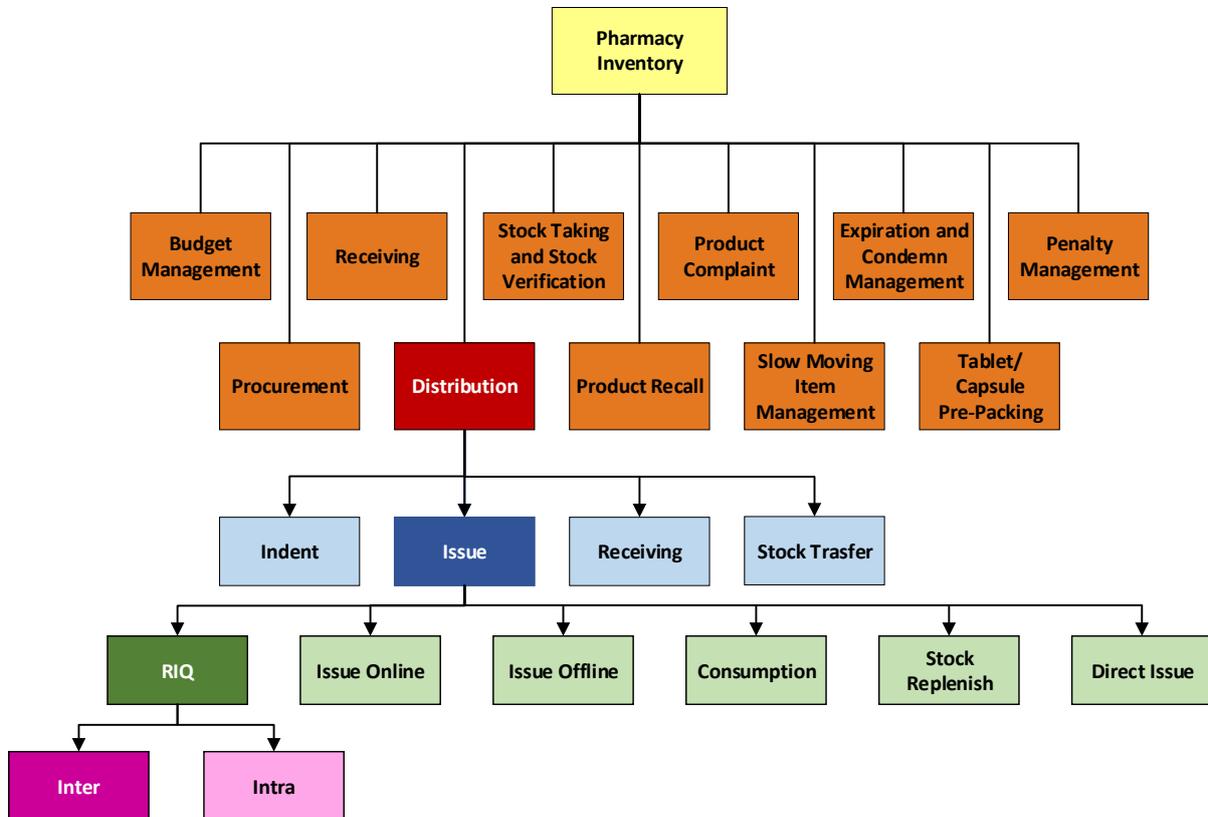
No.	Name	Description	Mandatory	Format
23.	Min Indent Quantity	Display 'Min Indent Quantity' from Maintenance>Inventory>Unit Catalogue for the selected Unit Name and drug.	No	Read-only
24.	Stock Available (SKU)	Display 'Stock Available' from Maintenance>Inventory>Unit Catalogue for the selected Unit Name and drug.	No	Read-only
25.	Buffer Level Quantity	Display 'Buffer Level Quantity' from Maintenance>Inventory>Unit Catalogue for the selected Unit Name and drug	No	Read-only
26.	Max Storage Quantity	Display 'Max Storage Quantity' from Maintenance>Inventory>Unit Catalogue for the selected Unit Name and drug	No	Read-only
27.	Indent Quantity(SKU)	System will auto calculate the Indent Qty for selected drug. Formula for calculating the Indent Qty: <i>Indent Quantity = Max Storage – (Stock Available + Pending To Receive + Back Order)</i> However, user still able to change the value. Value entered cannot more than calculated indent quantity.	Yes	Text field
28.	Preferred Item	To choose preferred item for that particular drug/non-drug, based on active item at SUPPLYING UNIT. The drop down will list items in these manners: iii. Default item under that particular drug/non-drug will be displayed as DEFAULT at the top of drop down field iv. If that particular drug/non-drug does not have a default item, the top of drop down field will display BLANK	No	Drop down list

3.5.5 Integration

None

3.6 Recommended Issue Quantity (RIQ) – Inter Facility

3.6.1 Overview

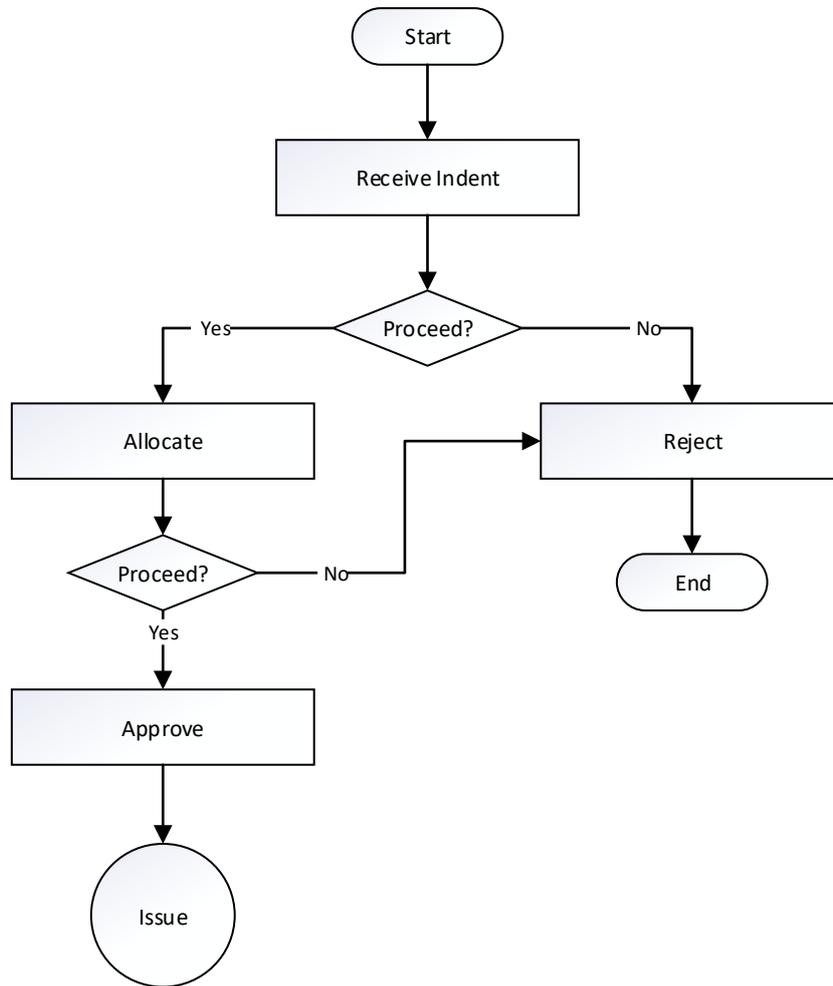


3.6.2 Purpose

System to propose issue quantity to requester based on supplying unit stock status.



3.6.3 Screen Navigation Diagram



Screen Navigation: RIQ – Inter Facility



3.6.4 Detail Functionality and Screen

3.6.4.1 Recommended Issue Quantity (Intra Facility) Listing

3.2.4.1.1 Screen Design

ID	RIQE.SD1																																																								
Description	List will display all indent request send to selected supplying unit.																																																								
Diagram																																																									
i. RIQ Listing																																																									
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R1813PHARMOPDC-0001674	R18000086	28/02/2018	Klinik Kesihatan Greentown	NON-DRUG	6	6																																																			
Notes	<ul style="list-style-type: none"> User can view data for RIQ belong to user unit only. Click on search button to search for the indent transaction Double click on transaction record to view the transaction 																																																								
Cross References																																																									

3.2.4.1.2 Application Business Rules

No.	Name	Description
1.	Search Transaction	Click on the 'Search' button to search the existing record: i. If user enters multiple search criteria, system will display the search results based on the specified criteria ii. If no criteria entered, system will display all transactions iii. System will display the records that match any keyword entered regardless of the letter type (uppercase or lowercase).
2.	RIQ Transaction	List will display all indent request. Double click on any record to view the record details. List will display the following information: i. Indent No. ii. External Indent No iii. Indent Date iv. Requester Facility v. Item Group vi. Total No. of Items vii. Total No. of Items Pending
3.	Refresh Listing	Click on the 'Refresh' button to reset all search criteria: i. Item Group – All ii. Indent No. – Display as empty field iii. Drug/Non-Drug Name – Display as empty field iv. Drug/Non-Drug Code – Display as empty field v. Facility - All vi. Method – FIFO vii. External Indent No. – Display as empty field viii. Pending Status – All ix. Requester Unit – Display as empty field Search results will display all records based on above reset search criteria.

3.2.4.1.3 Input Validation Rules

No.	Name	Description	Mandatory	Format
1.	Item Group	Value refer to reference code, domain = 'ITEM_GROUP' Default to 'All' however user can select specific value: <ul style="list-style-type: none"> • Drug • Non-Drug 	No	Drop down list
2.	Indent No.	Field will display all Indent No. received by the unit	No	Searching field
3.	Drug/Non-Drug Name	Only enable if user choose Item Group = Drug or Non-Drug. On click of search list, only indent with selected drug/non-drug will be displayed.	No	Searching field



No.	Name	Description	Mandatory	Format
4.	Pending status	Us Value refer to reference code, domain = 'RIQ_PENDING_STATUS' Default to 'All' however user can select specific transaction type: <ul style="list-style-type: none"> In Progress - at least one of them was Issued Open - never issue before 	No	Drop down list
5.	Method	Value refer to reference code, domain ='RIQ_METHODD'. Default to 'FIFI' however user can select specific indent status: <ul style="list-style-type: none"> FIFI - Indent are sort by approved indent date in ascending order Urgent - Indent are sort by Urgent Indent and approved indent date in ascending order. 	No	Drop down list
6.	External Indent No	Field will display all External Indent No. received by the unit	No	Searching field
7.	Pending status	Us Value refer to reference code, domain = 'RIQ_PENDING_STATUS' Default to 'All' however user can select specific transaction type: <ul style="list-style-type: none"> In Progress - at least one of them was Issued Open - never issue before 	No	Drop down list
8.	Facility	Value refer to reference code, domain = 'INDENT_PRIORITY'. <ul style="list-style-type: none"> Clinic Hospital MUSN/PBFN PKD 	No	Drop down list
9.	Requester Facility	List of active facility from external facility list. Filter by 'Facility' type value selected.	No	Searching field



3.6.4.2 Recommended Issue Quantity (Inter Facility)

3.2.4.2.1 Screen Design

ID	RIQE.SD2
Description	To issue item (approve indent) or reject the indent

Diagram

i. RIQ Screen

RECOMMENDED ISSUE QUANTITY (INTER FACILITY)

RECOMMENDED ISSUE QUANTITY INFORMATION

External Indent No. Indent Date
 External Facility Name RIQ Type
 Indent Type Item Group
 Total No. of Items Fully Supply Total Amount (RM)
 Total No. of Items Partially Supply Indent Status
 Total No. of Items RIQ Status
 UOM SKU PKU Issuer Remarks

RECOMMENDED ISSUE QUANTITY ITEM LIST

Drug/Non-Drug Name	Drug/Non-Drug Code	Preferred Item	Indenter's Information (SKU)			Supplying Information (Quantity) (SKU)						Last Issued Date	Last Issued Quantity	Close
			Packaging description	SKU	Indent Quantity	Stock Available	Recomm ended Issue	Pending	Amount (RM)	Supply Status				
Ascorbic Acid 100 mg Tablet	A11GA01000T1002XX	Ascorbic Acid 100mg Tab	Pack of 100 tabs	table t	100	93,400	100 Edit	0	3.08	Fully Supply	-	0	<input type="checkbox"/>	
									Total Amount (RM)	3.08				

ISSUE HISTORY

Drug/Non-Drug Name	Drug/Non-Drug Code	SKU	Default Packaging Description	Indent Quantity	Issue Quantity	Pending Quantity	Average Unit Price (RM)	Amount (RM)	Issue Note No.
No Records Found!									

ii. Issuer - Stock Available

SUPPLIER'S STOCK DETAILS

Drug/Non-Drug Name Drug/Non-Drug Code
 Unit Name

Item Code	Batch No.	Brand Name	Expire Date	Average Unit Price (RM)	Stock Available	SKU
02.0006.07	BH07733	CHEWETTE	30/06/2019	0.0503	93,400	tablet
Total Quantity					93,400	

iii. Issue Quantity

ISSUE QUANTITY

Preferred Item code Preferred Item Desc

Drug/Non-Drug Name	Drug/Non-Drug Code	Item Code	SKU	PKU	Packing Description	Batch No.	Brand Name	Batch Expire Date	Stock Available	Average Unit Price	Issue Quantity (SKU)	PKU Issue Quantity
Ascorbic Acid 100 mg Tablet	A11GA01000T1002XX	02.0006.07	tablet	pack	Pack of 100 tabs	BH07733	CHEWETTE	30/06/2019	93,400	0.0503	<input type="text" value="100"/>	<input type="text" value="1"/>
Total Quantity											<input type="text" value="100"/>	

iv. Approval

RECOMMENDED ISSUE QUANTITY (INTRA FACILITY)	
<div style="text-align: right;"> <input type="button" value="Approve"/> <input type="button" value="Reject"/> <input type="button" value="Print"/> <input type="button" value="Close"/> </div>	
RECOMMENDED ISSUE QUANTITY INFORMATION	
Indent No.	K17019011
Unit Name	Farmasi Bekalan Wad - Rx Filling
Send Indent To	Farmasi Bekalan Wad (FBW)
Supplying Unit	Farmasi Bekalan Wad (FBW) Level 2
Indent Type	Online Indent
Total No. of Items Fully Supply	1
Total No. of Items Partially Supply	1
Total No. of Items	3
UOM	<input checked="" type="radio"/> SKU <input type="radio"/> PKU
Indent Date	18/12/2017
RIQ Type	FIFO
Indent By	Pharmacist 2
Indenter Remark	
Item Group	DRUG
Total Amount (RM)	162.30
Indent Status	Open
RIQ Status	Draft
Issuer Remarks	

- | | |
|--------------|--|
| Notes | <ul style="list-style-type: none"> Save record and update issue quantity (for user without approval role) Save record and Approve/Reject (for user with approval role) |
|--------------|--|

Cross References	
-------------------------	--

3.2.4.2.2 Application Business Rules

No.	Name	Description
1.	Item List	Item list will display the following information: <ol style="list-style-type: none"> i. Drug/Non-Drug Code ii. Drug/Non-Drug Name iii. Preferred Item iv. Indenter Information <ul style="list-style-type: none"> • Packaging Information (SKU) • SKU • Indent Quantity v. Supplying Unit Information <ul style="list-style-type: none"> • Stock Available • Recommended Issue • Pending • Amount (RM) • Supply Status • Last Issue Date vi. Last Issue Quantity vii. Close
2.	Supplying Unit Stock Available	<ol style="list-style-type: none"> i. Display stock available for Supplying unit. ii. Details screen will display list of stock available as below: <ul style="list-style-type: none"> • Item Code • Batch No. • Brand Name • Expire Date



No.	Name	Description
		<ul style="list-style-type: none"> • Average Unit Price (RM) • Stock Available • SKU • Total Total quantity will be calculated based on Stock Available
3.	Recommended Issue	<ul style="list-style-type: none"> i. Recommended Issue Quantity <ul style="list-style-type: none"> • If 'Supplying Unit Stock Available' > 'Indent Quantity', quantity will be defaulted to Indent Quantity • If 'Supplying Unit Stock Available' < 'Indent Quantity', quantity will be defaulted to stock available. • If 'Supplying Unit Stock Available' = 0, quantity will be defaulted to 0. ii. User able to change the quantity by clicking on 'Edit' link. Issue quantity screen will be displayed. iii. Issue quantity will display list of stock available for that supplying unit as below: <ul style="list-style-type: none"> • Drug/Non-Drug Name • Drug/Non-Drug Code • Item Code • SKU • PKU • Packing Description • Batch No. • Brand Name • Batch Expire Date • Stock Available • Average Unit Price • Issue Quantity(SKU) • PKU Issue Quantity • Total quantity will be calculated based on 'Issue Quantity' iv. If user choose UOM = PKU, allocation will be done in multiplication of PKU conversion quantity. v. Issue quantity cannot more than stock available
4.	Supply Status	<ul style="list-style-type: none"> i. If 'Recommended Issue' = 'Indent Quantity', Supply Status = Fully Supply ii. If 'Recommended Issue' < 'Indent Quantity', Supply Status = Partially Supply iii. If 'Supplying Unit Stock Available' = 0, quantity will be defaulted to 0, Supply Status = Open.
5.	Close	<ul style="list-style-type: none"> i. Only applicable if the item level status is Open and Partial Supply only. ii. On click of Close checkbox, Pending quantity will be 0. Supply Status will be updated to Closed. iii. User can partially close the request be selecting item to be closed.
6.	Save RIQ	On click of save button:



No.	Name	Description
		i. RIQ status update as 'Draft' ii. 'Approve' and 'Reject' button will be displayed iii. SKU will be disabled
7.	Issue History	Issue history for the selected drug from previous transaction. Double click on drug in RIQ Item list. Issue history list will display the following information: i. Drug/Non-Drug Name ii. Drug/Non-Drug Code iii. SKU iv. Default Packaging Description v. Indent Quantity vi. Issue Quantity vii. Pending Quantity viii. Average Unit Price (RM) ix. Amount (RM) x. Issue Note No.
8.	Reject button	i. Only available if Indent Status = Open & RIQ Status = Draft ii. Only available if at item level do not have any partial supply, full supply or reject supply Indent. iii. Once click button Reject Indent, 'Reject Indent Reason' will be displayed for user to enter. Once reason is entered and click on reject button status will be updated: <ul style="list-style-type: none"> • Approval Status = 'Rejected' • Indent status = 'Closed' • RIQ Status = 'Close' iv. Rejected record will be displayed in Rejected Issue screen, Issue Request Type = RIQ. v. Record will be remove from task list
9.	Approve button	i. One of the item must be allocated before approval can be done ii. Once approved, status will be updated: <ul style="list-style-type: none"> • Approval Status = 'Approved' • Indent status <ul style="list-style-type: none"> ○ Closed if all items are supplied. ○ Open if only partial items supplied. • RIQ Status = 'Approved' iii. Pending Receive Quantity will be displayed at indenter screen. iv. Indent will be displayed in Issue Screen (Inter Facility), Issue Request Type = Online Issue. v. Stock will be deducted for supplying unit vi. Issue record will be send to indenter facility. Record will appear in notification for 'Online Issue Request Received' *Approval button only will be displayed for user with approval roles
10.	Issue No (External)	Issue No will be generated.



3.2.4.2.3 Input Validation Rules

No.	Name	Description	Mandatory	Format
RIQ Header				
1.	External Indent No.	Display indent no	Yes	Read-only
2.	External Facility Name	Display Indent Facility Name	No	Read-only
3.	Indent Type	Display indent type	No	Read-only
4.	Total No. of Items Fully Supply	Total No. of items where status = 'Fully Supply' or 'Closed'	No	Read-only
5.	Total No. of Items Partially Supply	Total No. of items where status = 'Open' or 'Partially Supply'	No	Text field
6.	Total No. of Items	Total number of item requested	No	Read-only
7.	UOM	Radio button with selection of SKU or PKU. Default selection to SKU.	No	Radio button
8.	Indent Date	Display based on the record retrieve date <i>Format: dd/mm/yyyy</i>	No	Read-only
9.	RIQ Type	Display RIQ based on indent. It can be: <ul style="list-style-type: none"> FIFI Urgent/Priority 	No	Read-only
10.	Item Group	Display item group	No	Read-only
11.	Total Amount (RM)	Total amount issue based on Recommended issue quantity * Price.	No	Read-only
12.	Indent Status	Default to Open	No	Read-only
13.	RIQ Status	Default to Draft	No	Read-only
14.	Issuer Remark	User to enter free text value with maximum 100 characters.	No	Text field
15.	Reject Indent Reason	User to enter free text value with maximum 500 characters. Mandatory if user want to reject the indent.	Yes	Text field
Issue Quantity				
1.	Issue Quantity (SKU)	If UOM = SKU, this field will be enable Numeric value with maximum 9 digits If user enter the quantity in SKU, convert the value for PKU = Quantity in SKU/Conversion Factor Quantity cannot more than stock available quantity	Yes	Text field
2.	Issue Quantity (PKU)	If UOM = PKU, this field will be enable Numeric value with maximum 15 digits with 2 decimal point If user enter the quantity in PKU, convert the value for SKU = Quantity in PKU * Conversion Factor	Yes	Text field

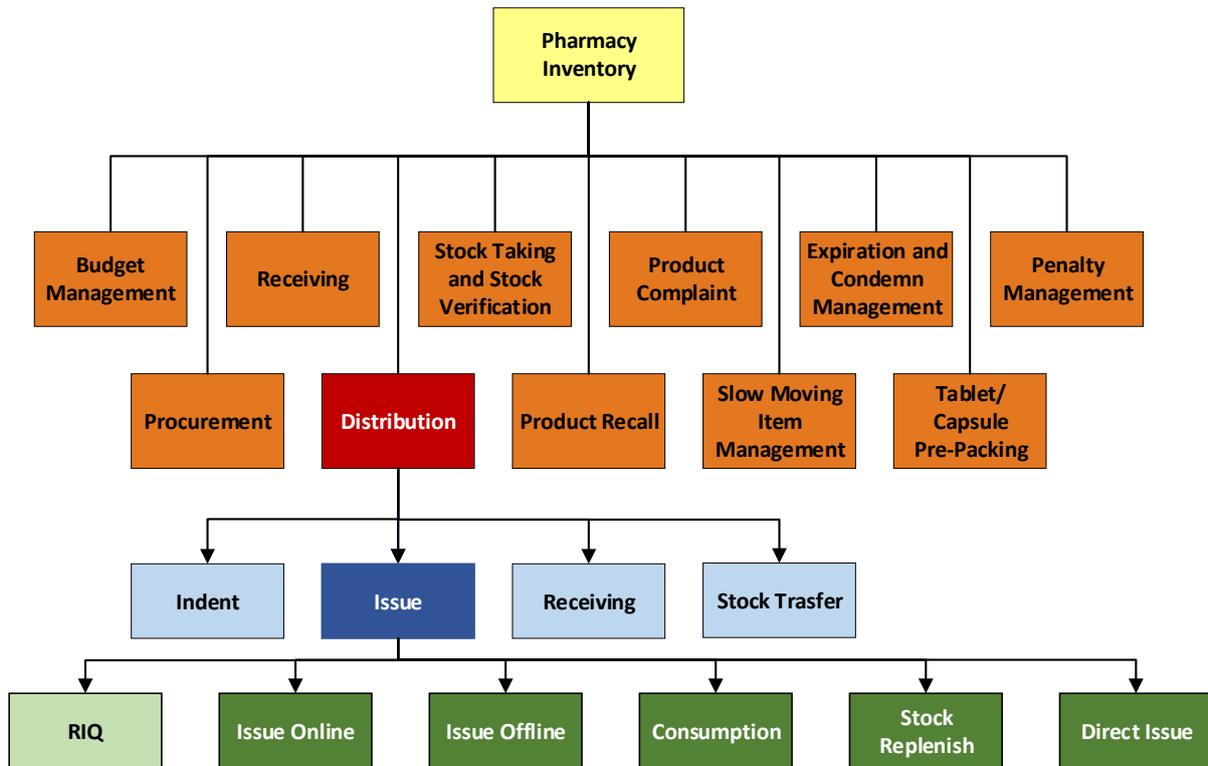


3.6.5 **Integration**

None

3.7 Issue

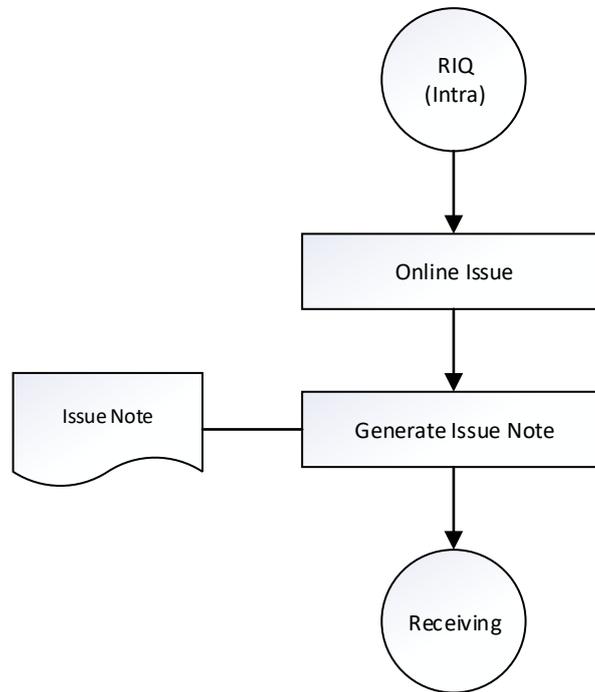
3.7.1 Overview



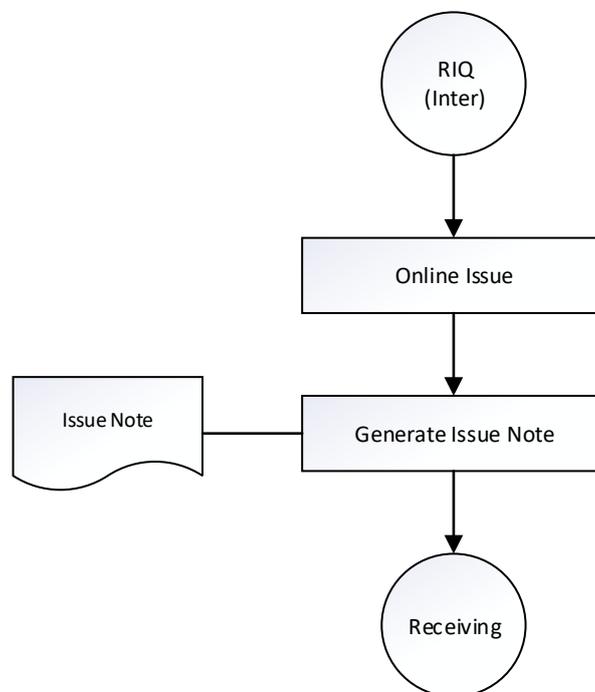
3.7.2 Purpose

This function will be used by Pharmacist at Pharmacy Store/Pharmacy Sub-Stores/Units to supply drug/non-drug to requested unit.

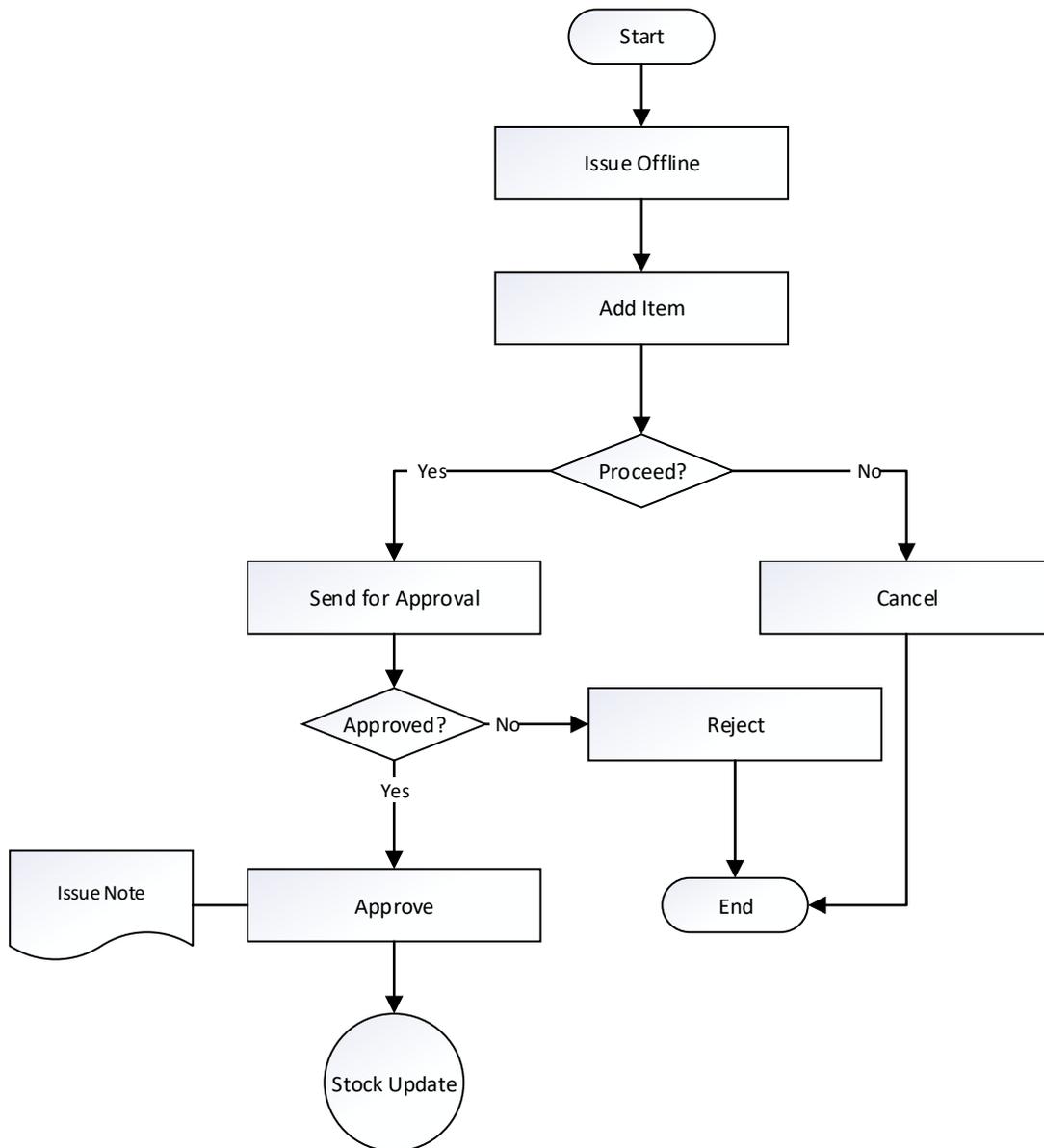
3.7.3 Screen Navigation Diagram



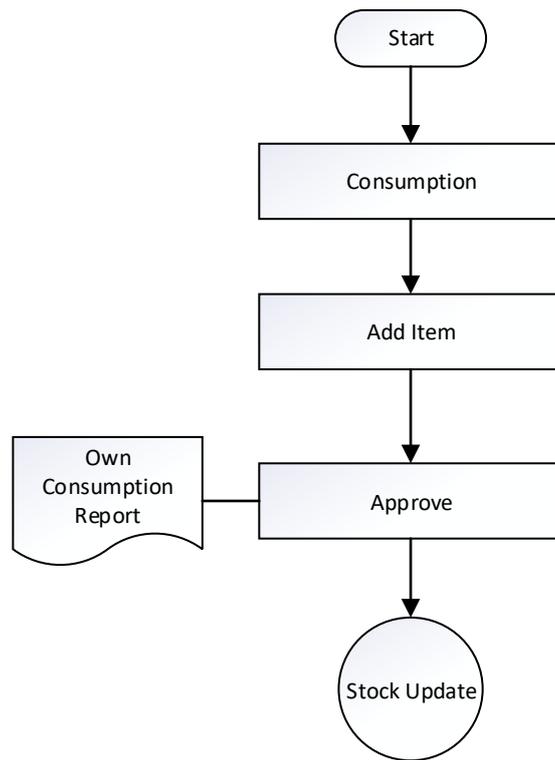
Screen Navigation: Issue (Intra) – RIQ



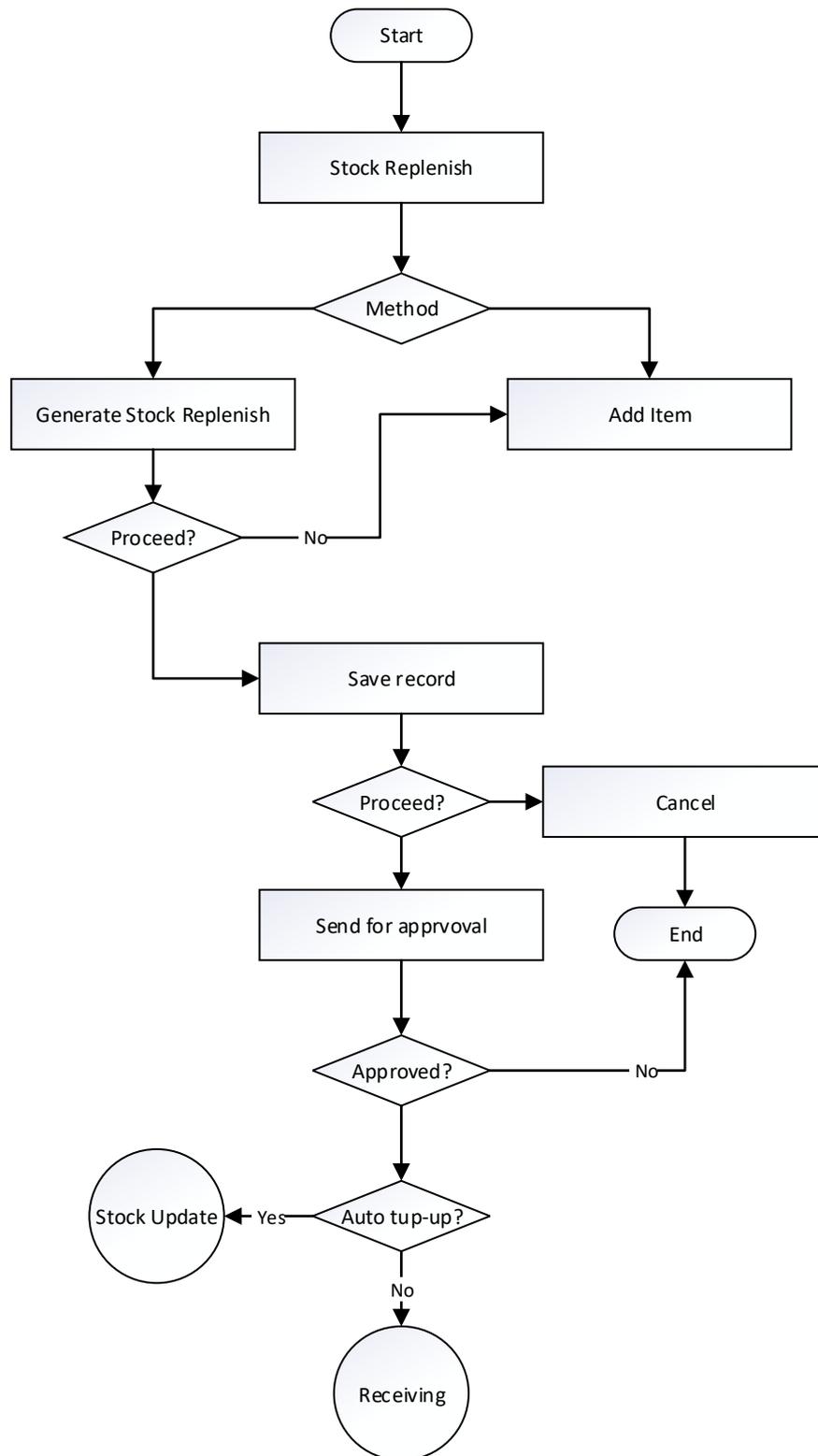
Screen Navigation: Issue (Intra) – Online Issue



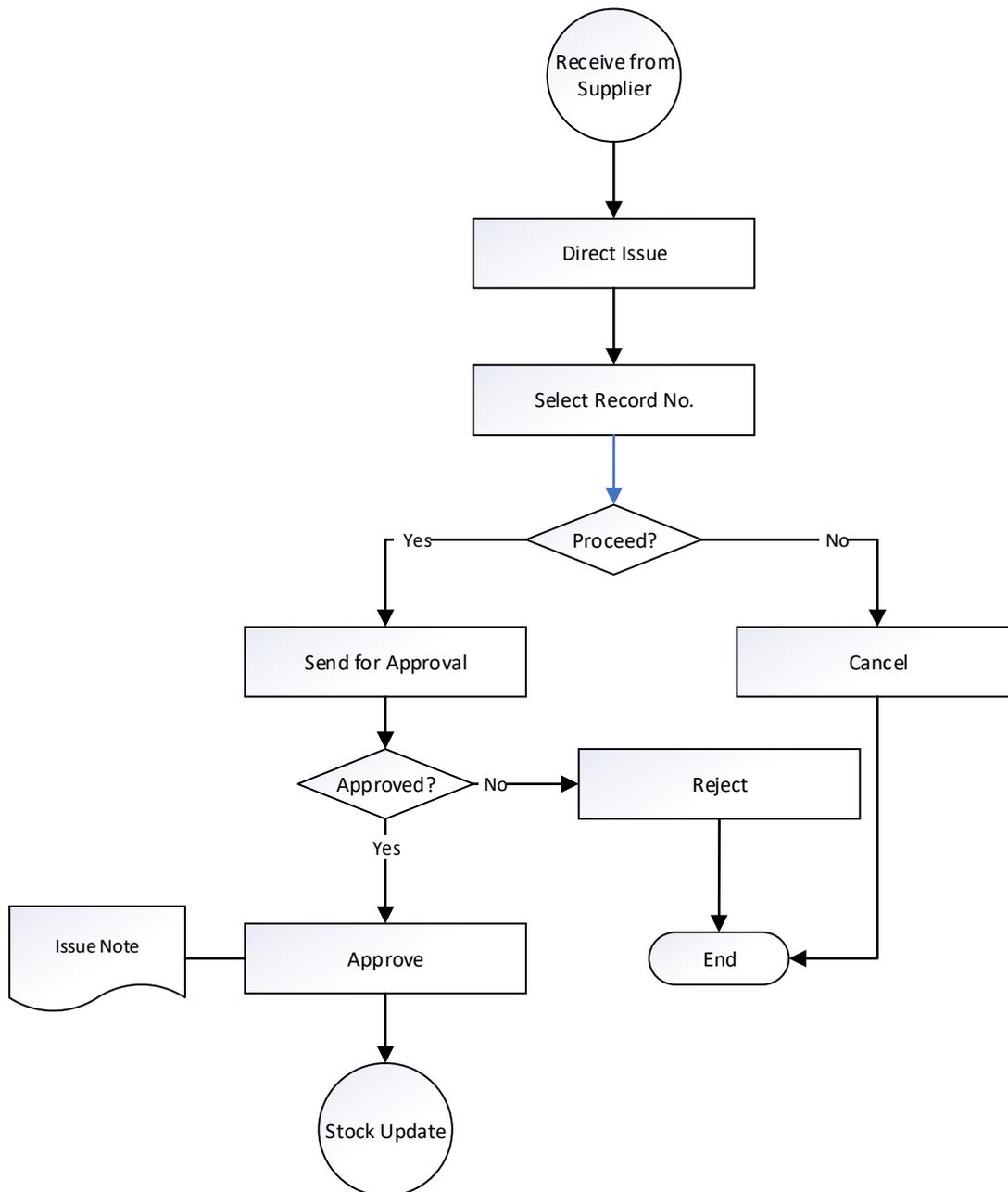
Screen Navigation: Issue (Intra) – Issue Offline



Screen Navigation: Issue (Intra) – Consumption



Screen Navigation: Issue (Intra) – Stock Replenish



Screen Navigation: Issue (Intra) – Direct Issue



3.7.4 Detail Functionality and Screen

3.7.4.1 Issue Listing

3.2.4.1.1 Screen Design

ID	ISS.SD1
Description	Issue Listing screen

Diagram

i. Issue listing for Intra Facility

ISSUE
+

Type Of Request Inter Facility Intra Facility

Issue Request Type

Status

Date From

Created By

Manual Indent Ref No.

Requester Unit Name

Issue No.

Indent No.

Date To

Item Group

<< 1 / 96 >>
[1 - 10 / 959]

Issue Request Type	Date	Requester Unit Name	Item Group	Issue No.	No. Of Items Issued	Reference No. / Indent No.	Created By	Issue Status	Receiving Flag
RIQ	05/01/2018	Farmasi Bekalan Wad - Rx Filling	DRUG	I02FBW-0024068	1	K17019015	Pharmacist 4	Approved	No
Own Consumption	21/12/2017	-	DRUG	M02FBW-0017606	2	-	[Redacted]	Approved	Yes
Ward/Unit Stock	29/11/2017	Ward 10 - Obstetric & Gynecology	DRUG	F02FBW-0009303	1	-	[Redacted]	Approved	No
Ward/Unit Stock	24/10/2017	Coronary Care Unit (CCU)	DRUG	F02FBW-0009302	17	-	[Redacted]	Approved	No
Offline Issue	24/03/2015	Farmasi Bekalan Wad - Rx Filling	DRUG	M02FBW-0000040	2	24315(1)	[Redacted]	Open	Yes
Offline Issue	16/03/2015	Ward 1-Paediatric	DRUG	M02FBW-0000016	1	361377	[Redacted]	Open	Yes
Ward/Unit Stock	24/08/2015	Ward 0 - Ante Post Partum	DRUG	F02FBW-	5		[Redacted]	Pending For	No

ii. Issue listing for Inter Facility

ISSUE								
Type Of Request	<input checked="" type="radio"/> Inter Facility <input type="radio"/> Intra Facility		External Facility Name		<input type="text"/>			
Issue Request Type	All		Issue No.		<input type="text"/>			
Status	All		Indent No.		<input type="text"/>			
Date From	<input type="text"/>		Date To		<input type="text"/>			
Created By	<input type="text"/>		Item Group		All			
Manual Indent Ref No.	<input type="text"/>				<input type="button" value="Search"/>			
[1 - 10 / 2256]								
Issue Request Type	Date	Facility Name	Item Group	Issue No.	No. Of Items Issued	Reference No. / Indent No.	Created By	Issue Status
Offline Issue	28/02/2018	Hospital Beluran	NON-DRUG	M02PS001-0031957	2	23		Pending For Approval
Offline Issue	28/02/2018	Cawangan Farmasi Logistik Negeri Sabah	DRUG	M02PS001-0031955	3	123		Pending For Approval
Offline Issue	28/02/2018	Hospital Alor Gajah	DRUG	M02PS001-0031953	5	1231212		Pending For Approval
Offline Issue	26/03/2018	Cawangan Farmasi Logistik Negeri Sabah	DRUG	M02PS001-0031989	2	-		Open
Offline Issue	26/03/2018	Bahagian Perkhidmatan Farmasi, KKM	DRUG	M02PS001-0031979	4	-		Open
Offline Issue	26/03/2018	Cawangan Farmasi Logistik Negeri Sarawak	DRUG	M02PS001-0031978	2	-		Open
Online Issue	03/04/2018	Hospital Kulim	DRUG	E02PS001-0001938	1	R1813PS001-0001691		Approved
Offline Issue	27/03/2018	Klinik Kesihatan Greentown	DRUG	M02PS001-0031993	1	-		Approved
Online Issue	06/03/2018	Hospital Kulim	DRUG	E02PS001-0001936	3	R1813PS001-0001676		Approved

Notes	<ul style="list-style-type: none"> Click on Add button to create new indent Click on search button to search for the indent transaction Double click on transaction record to view the transaction
Cross References	

3.2.4.1.2 Application Business Rules

No.	Name	Description
1.	Issue record	Issue record will be created upon RIQ approval. User can proceed to view transaction by double click on issue note record.
2.	Search Transaction	<p>Click on the 'Search' button to search the existing record:</p> <ul style="list-style-type: none"> i. If user enters multiple search criteria, system will display the search results based on the specified criteria ii. If no criteria entered, system will display all transactions <p>System will display the records that match any keyword entered regardless of the letter type (uppercase or lowercase).</p>
3.	Issue List	<p>Double click on any record to view the record details.</p> <p>List will display the following information:</p> <ul style="list-style-type: none"> ➤ For Inter Facility <ul style="list-style-type: none"> i. Issue Request Type ii. Date iii. Facility Name



No.	Name	Description
		iv. Item Group v. Issue No. vi. No. Of Items Issued vii. Reference No. / Indent No. viii. Created By ix. Issue Status ➤ For Intra Facility i. Issue Request Type ii. Date iii. Requester Unit Name iv. Item Group v. Issue No. vi. No. Of Items Issued vii. Reference No. / Indent No. viii. Created By ix. Issue Status x. Receiving Flag
4.	Create New Transaction	Click on the 'Create New Record (+)' button to create new transaction record.
5.	Refresh Listing	Click on the 'Refresh' button to reset all search criteria: i. Type of Request – Default to 'Intra Facility' ii. Issue Request Type – All iii. Status – All iv. Date From – Display as empty field v. Created By – Display as empty field vi. Manual Indent Ref No. – Display as empty field vii. Requester Unit Name / External Facility Name– Display as empty field viii. Issue No. – Display as empty field ix. Indent No. – Display as empty field x. Date To – Display as empty field xi. Item Group – All Search results will display all records based on above reset search criteria.

3.2.4.1.3 Input Validation Rules

No.	Name	Description	Mandatory	Format
1.	Type of Request	Radio button with selection of 'Inter Facility' or 'Intra Facility'. Default selection to 'Intra Facility'.	No	Radio button
2.	Issue Request Type	Value refer to reference code, domain = 'ISSUE_CATEGORY' Default to 'All' however user can select specific transaction type: <ul style="list-style-type: none"> Direct Issue 	No	Drop down list



No.	Name	Description	Mandatory	Format
		<ul style="list-style-type: none"> • Offline Issue • Online Issue • Own Consumption • RIQ • Ward/Unit Stock 		
3.	Status	<p>Value refer to reference code, domain = 'ISSUE_STATUS'</p> <p>Default to 'All' however user can select specific transaction type:</p> <ul style="list-style-type: none"> • Approved • Cancelled • Draft • Open • Pending For Approval • Rejected 	No	Drop down list
4.	Date From	User to select date from the calendar. Click on the calendar icon to display the calendar.	No	Calendar
5.	Created By	Field will display all user (active and inactive) as per in Maintenance > Security > User Profile screen. User able to search based on User First name and User Last name. Compare selected value with issue creator.	No	Searching field
6.	Manual Indent Ref No.	Field will display all manual indent record created. User able to search based on indent no. Compare entered value with manual indent record.	No	Searching field
7.	Requester Unit Name	Field will display all requester unit list. User able to search based on requester unit name and code. <i>*for Intra Facility</i>	No	Searching field
8.	External Facility Name	List of facility from external facility list. <i>*for Inter Facility</i>	No	Searching field
9.	Issue No.	Field will display all issue record created. User able to search based on issue no and request date range. Compare entered value with issue record.	No	Searching field
10.	Indent No.	Field will display all online indent record created. User able to search based on indent no and created date range. Compare entered value with indent record.	No	Searching field
11.	Date To	User to select date from the calendar. Click on the calendar icon to display the calendar.	No	Calendar
12.	Item Group	<p>Value refer to reference code, domain = 'ITEM_GROUP'</p> <p>Default to 'All' however user can select specific value:</p> <ul style="list-style-type: none"> • Drug • Non-Drug 	No	Drop down list



3.7.4.2 Issue - RIQ

3.2.4.2.1 Screen Design

ID	ISS.SD2
Description	Issue – RIQ (Intra)

Diagram

i. Online Issue

ISSUE

Online Issue

Generate Issue Note
X

+ ONLINE ISSUE INFORMATION

Type Of Request: <input type="radio"/> Inter Facility <input checked="" type="radio"/> Intra Facility Issue No.: <input type="text" value="I02FBW-0024068"/> Indent No.: <input type="text" value="K17019015"/> Facility: <input type="text"/> Requester Unit Name: <input type="text" value="Farmasi Bekalan Wad - Rx Filling"/> Indent Date: <input type="text" value="29/12/2017 10:11:45 AM"/> Indent By: <input type="text" value="Pharmacist 2"/> Item Group: <input type="text" value="DRUG"/> UOM: <input type="text" value="SKU"/> Indent category: <input type="text"/>	Issue Date: <input type="text" value="05/01/2018"/> Created By: <input type="text" value="Pharmacist 4"/> Unit Name: <input type="text" value="Farmasi Bekalan Wad (FBW)"/> Supplying Unit: <input type="text" value="Farmasi Bekalan Wad (FBW)"/> No. of Items: <input type="text" value="1"/> Total Amount (RM): <input type="text" value="368.30"/> Indent Status: <input type="text" value="Partially Supply"/> Approval Status: <input type="text" value="Approved"/> Reject Reason: <input type="text"/>
--	--

+ ONLINE ISSUE LIST

1 / 1
[1 - 1 / 1]

Drug/Non-Drug Code	Drug/Non-Drug Name	Request Quantity	Stock Available	Issue Quantity	SKU	Average Unit Price (RM)	Total Amount (RM)	Item Status	Usage & Issue Quantity
M03BX01000T100 TXX	Baclofen 10 mg Tablet	500	3,928	500	tablet	0.7366	368.30	Fully Supply	500

ii. Usage Quantity Details

USAGE QUANTITY DETAILS

i
X

Category: Periodic Quantity Accumulated Quantity

Date Range:

	Issue Quantity(SKU)	Usage Quantity(SKU)
05/12/2017 - 05/01/2018	<input type="text" value="500"/>	<input type="text" value="0"/>
05/11/2017 - 05/12/2017	<input type="text" value="0"/>	<input type="text" value="6"/>
05/10/2017 - 05/11/2017	<input type="text" value="0"/>	<input type="text" value="0"/>
Total 90 days	<input type="text" value="500"/>	<input type="text" value="6"/>

iii. Item Allocation



ITEM ALLOCATION													
Item Code	Item Description	Drug Code	Drug Description	Brand Name	Batch No	Expiry Date	Packaging Description	Stock Available (SKU)	Conversion Factor	Stock Available (PKU)	Average Unit Price (RM)	Issue Quantity (SKU)	Issue Quantity (PKU)
02.0203.02	Baclofen 10mg Tab	M03BX01000T1001XX	Baclofen 10 mg Tablet	NO BRAND	gg	28/11/2019	Pack of 50 tabs (Blister)	3,928 (tablet)	50	78.56 (pck)	0.7366	500	10.00
Total Quantity												500	

Notes	
Cross References	

3.2.4.2.2 Application Business Rules

No.	Name	Description
1.	Online issue list	<p>List will display the following information</p> <ul style="list-style-type: none"> • Drug/Non-Drug Code • Drug/Non-Drug Name • Request Quantity • Stock Available • Issue Quantity • SKU • Average Unit Price (RM) • Total Amount (RM) • Item Status • Usage & Issue Quantity
2.	Item Allocation	<p>Double click on item list to view item allocation record. List will contain the following information:</p> <ul style="list-style-type: none"> • Item Code • Item Description • Drug Code • Drug Description • Brand Name • Batch No • Expiry Date • Packaging Description • Stock Available (SKU) • Conversion Factor • Stock Available (PKU) • Average Unit Price (RM) • Issue Quantity (SKU) • Issue Quantity (PKU) • Total quantity will be calculated based on Issue Quantity (SKU)
3.	Usage & Issue	Display Total Issue Quantity (SKU) for 90 days total. Click on the



No.	Name	Description
	Quantity	hyperlink to view the Usage Quantity Details pop up screen. Refer to section View Usage & Issue Qty for the screen details.
4.	Generate Issue Note	<ul style="list-style-type: none"> Refer KEW.PS-10 (for Main store) & KEW.PS-11 (for Sub-store) 'Pending issue' record will be removed task list Record will be displayed in Receiving Intra with status 'Open' Record will be displayed in task list for indenter. Type = 'Receive Internal' with status 'Pending to Receive'

3.2.4.2.3 Input Validation Rules

No.	Name	Description	Mandatory	Format
1.	Type of Request	Radio button with value defaulted to 'Intra Facility'	No	Read-only
2.	Issue No.	Display Issue no	No	Read-only
3.	Indent No.	Display Indent no	No	Read-only
4.	Facility	For intra facility, this field will be blank. For Inter facility, it will display indenter facility name.	No	Read-only
5.	Requester Unit Name	Display requester unit	No	Read-only
6.	Indent Date	Indent approved date	No	Read-only
7.	Indent By	Indent approved by	No	Read-only
8.	Item Group	Display item group	No	Read-only
9.	UOM	Display UOM	No	Read-only
10.	Indent category	Not applicable	No	Read-only
11.	Issue Date	Display issue date	No	Read-only
12.	Created By	Display issue created by	No	Read-only
13.	Unit Name	Display unit name	No	Read-only
14.	Supplying Unit	Display supplying unit name	No	Read-only
15.	No. of Items	Number of item issued	No	Read-only
16.	Total Amount (RM)	Total amount of item issued	No	Read-only
17.	Indent Status	Display indent status. <ul style="list-style-type: none"> 'Closed' if all items are supplied. 'Partially Supply' if only partial items supplied. 	No	Read-only
18.	Approval Status	Display approval status.	No	Read-only



3.7.4.3 Issue – Online Issue

3.2.4.3.1 Screen Design

ID	ISS.SD2
Description	Issue – Online Issue (Inter)

Diagram

i. Online Issue

ISSUE

Generate Issue Note X

+ ONLINE ISSUE INFORMATION

Type Of Request: <input checked="" type="radio"/> Inter Facility <input type="radio"/> Intra Facility Issue No.: E02PS001-0001938 Indent No.: R1813PS001-0001691 Facility: Hospital Kulim Requester Unit Name: Farmasi Logistik Indent Date: 02/04/2018 3:21:30 PM Indent By: Pharmacist Store Item Group: DRUG UOM: SKU Indent category: Normal	Issue Date: 03/04/2018 Created By: Pharmacist Head of Store Unit Name: LOGISTIC PHARMACY Supplying Unit: LOGISTIC PHARMACY No. of Items: 1 Total Amount (RM): 3.08 Indent Status: Closed Approval Status: Approved Reject Reason:
---	---

+ ONLINE ISSUE LIST

[1 - 1 / 1]

Drug/Non-Drug Code	Drug/Non-Drug Name	Request Quantity	Stock Available	Issue Quantity	SKU	Average Unit Price (RM)	Total Amount (RM)	Item Status	Usage & Issue Quantity
A11GA01000T1002XX	Ascorbic Acid 100 mg Tablet	100	93,300	100	tablet	0.0308	3.08	Fully Supply	55,700

ii. Usage Quantity Details

USAGE QUANTITY DETAILS

X

Category: Periodic Quantity Accumulated Quantity

Date Range	Issue Quantity(SKU)	Usage Quantity(SKU)
03/03/2018 - 03/04/2018	1,600	0
03/02/2018 - 03/03/2018	25,100	0
03/01/2018 - 03/02/2018	29,000	0
Total 90 days	55,700	0



iii. Item Allocation

ITEM ALLOCATION													
Item Code	Item Description	Drug Code	Drug Description	Brand Name	Batch No	Expiry Date	Packaging Description	Stock Available (SKU)	Conversion Factor	Stock Available (PKU)	Average Unit Price (RM)	Issue Quantity (SKU)	Issue Quantity (PKU)
02.0006.07	Ascorbic Acid 100mg Tab	A11GA01000T1002XX	Ascorbic Acid 100 mg Tablet	CHEWETTE	BH07733	30/06/2019	Pack of 100 tabs	93,300 (tablet)	100	933.00 (pck)	0.0503	100	1.00
Total Quantity											100		

Notes

Cross References

3.2.4.3.2 Application Business Rules

No.	Name	Description
1.	Online issue list	<p>List will display the following information</p> <ul style="list-style-type: none"> • Drug/Non-Drug Code • Drug/Non-Drug Name • Request Quantity • Stock Available • Issue Quantity • SKU • Average Unit Price (RM) • Total Amount (RM) • Item Status • Usage & Issue Quantity
2.	Item Allocation	<p>Double click on item list to view item allocation record. List will contain the following information:</p> <ul style="list-style-type: none"> • Item Code • Item Description • Drug Code • Drug Description • Brand Name • Batch No • Expiry Date • Packaging Description • Stock Available (SKU) • Conversion Factor • Stock Available (PKU) • Average Unit Price (RM) • Issue Quantity (SKU) • Issue Quantity (PKU) • Total quantity will be calculated based on Issue Quantity (SKU)



No.	Name	Description
3.	Usage & Issue Quantity	Display Total Issue Quantity (SKU) for 90 days total. Click on the hyperlink to view the Usage Quantity Details pop up screen. Refer to section View Usage & Issue Qty for the screen details.
4.	Generate Issue Note	<ul style="list-style-type: none"> Refer KEW.PS-10 (for Main store) & KEW.PS-11 (for Sub-store) Record will be displayed in Receiving Intra with status 'Open'

3.2.4.3.3 Input Validation Rules

No.	Name	Description	Mandatory	Format
1	Type of Request	Radio button with value defaulted to 'Inter Facility'	No	Read-only
2.	Issue No.	Display Issue no	No	Read-only
3.	Indent No.	Display Indent no	No	Read-only
4.	Facility	Display indenter facility name.	No	Read-only
5.	Requester Unit Name	Display indenter requester unit	No	Read-only
6.	Indent Date	Indent approved date	No	Read-only
7.	Indent By	Indent approved by	No	Read-only
8.	Item Group	Display item group	No	Read-only
9.	UOM	Display UOM	No	Read-only
10.	Indent category	Not applicable	No	Read-only
11.	Issue Date	Display issue date	No	Read-only
12.	Created By	Display issue created by	No	Read-only
13.	Unit Name	Display unit name	No	Read-only
14.	Supplying Unit	Display supplying unit name	No	Read-only
15.	No. of Items	Number of item issued	No	Read-only
16.	Total Amount (RM)	Total amount of item issued	No	Read-only
17.	Indent Status	Display indent status. <ul style="list-style-type: none"> 'Closed' if all items are supplied. 'Partially Supply' if only partial items supplied. 	No	Read-only
18.	Approval Status	Display approval status.	No	Read-only



3.7.4.4 Issue - Offline

3.2.4.4.1 Screen Design

ID	ISS.SD3
Description	Issue - Offline

Diagram

i. Offline Issue - Internal

The screenshot shows a web application window titled 'ISSUE'. It has a navigation bar with tabs: 'Online Issue', 'Offline Issue' (selected), 'Consumption', 'Stock Replenish', and 'Direct Issue'. Below the navigation bar is a section for 'OFFLINE ISSUE INFORMATION'. This section contains two columns of form fields. The left column includes: 'Manual Issue No.' (text input), 'Issue Note No.' (text input), 'Issue Type' (dropdown menu set to 'Internal'), 'By External Unit Catalogue' (dropdown menu set to 'No'), 'Requester Unit Name' (text input), 'Manual Indent Reference No.' (text input), 'Requested By' (text input), 'Item Group' (dropdown menu set to 'DRUG'), and 'Remarks' (text area). The right column includes: 'Request Date' (text input set to '12/01/2018'), 'Created By' (text input set to 'Pharmacist 4'), 'Unit Name' (text input set to 'Farmasi Bekalan Wad (FBW)'), 'No. of Items' (text input set to '0'), 'Total Amount (RM)' (text input set to '0.00'), 'Status' (dropdown menu set to 'Open'), 'UOM' (radio buttons for 'SKU' and 'PKU'), and 'Reject Reason' (text area). Below the information section is a section for 'Item Sub Class' with a grid of checkboxes for various categories: Cytotoxic, External Preparation, Inhalers, Eye/Ear/Nose Preparations, Injectables, Internal Preparation, IV/IF/IRR Solution, Parenteral Nutrition, Psychotropic/Narcotic, Radiopharmaceuticals, Raw Material, and Table/Capsule. Below this is a section for 'OFFLINE ISSUE LIST' with a table header: 'Drug/Non-Drug Code', 'Drug/Non-Drug Name', 'Max Storage', 'Quantity Available', 'Issue Quantity', 'SKU', 'Average Unit Price (RM)', 'Total Amount (RM)', and 'Usage & Issue Quantity'. The table currently shows 'No Records Found!'. At the bottom right of the list section are buttons for 'Delete Item' and 'Add Item'.

ii. Offline Issue - External

The screenshot shows a web application window titled 'ISSUE'. It has a navigation bar with tabs: 'Online Issue', 'Offline Issue' (selected), 'Consumption', 'Stock Replenish', and 'Direct Issue'. Below the navigation bar is a section for 'OFFLINE ISSUE INFORMATION'. This section contains two columns of form fields. The left column includes: 'Manual Issue No.' (text input), 'Issue Note No.' (text input), 'Issue Type' (dropdown menu set to 'External'), 'By External Unit Catalogue' (dropdown menu set to 'No'), 'External Facility Name' (text input), 'Manual Indent Reference No.' (text input), 'Requested By' (text input), 'Item Group' (dropdown menu set to 'DRUG'), and 'Remarks' (text area). The right column includes: 'Request Date' (text input set to '20/03/2018'), 'Created By' (text input set to 'Pharmacist Store'), 'Unit Name' (text input set to 'Farmasi Logistik'), 'No. of Items' (text input), 'Total Amount (RM)' (text input), 'Status' (dropdown menu set to 'Open'), 'UOM' (radio buttons for 'SKU' and 'PKU'), and 'Reject Reason' (text area).

iii. Add Item



ADD ITEM

Item Code: Item Description:

Drug/Non-Drug Code: Drug/Non-Drug Name:

Item Sub Class: With Stock Without Stock

1 / 1

Drug/Non-Drug Code	Drug/Non-Drug Name	Item Code	Item Description	Max Storage	Item Sub Class	Batch No.	Brand Name	Expiry Date	Packaging Description	Stock Available (SKU)	Conversion Factor	Stock Available (PKU)	Average Unit Price (RM)	Issue Quantity (SKU)	Issue Quantity (PKU)
No Record Found															

iv. Add item – search list

ADD ITEM

Item Code: Item Description:

Drug/Non-Drug Code: Drug/Non-Drug Name:

Item Sub Class: With Stock Without Stock

1 / 5 [1 - 10 / 45]

Drug/Non-Drug Code	Drug/Non-Drug Name	Item Code	Item Description	Max Storage	Item Sub Class	Batch No.	Brand Name	Expiry Date	Packaging Description	Stock Available (SKU)	Conversion Factor	Stock Available (PKU)	Average Unit Price (RM)	Issue Quantity (SKU)	Issue Quantity (PKU)
<input type="checkbox"/>	C01CA24123P3 001XX	Adrenaline Acid Tartrate 1mg/ml Injection	43.0001.02	Adrenaline Sol BP 1ml Inj	2,000	Injectables	161273T (GENERIC NAME)	30/06/2018	Pack of 10 amps	796	10	79.60	1.4260		
<input type="checkbox"/>	C01CA24123P3 001XX	Adrenaline Acid Tartrate 1mg/ml Injection	43.0001.02	Adrenaline Sol BP 1ml Inj	2,000	Injectables	161270T CCM	31/05/2018	Pack of 10 amps	1	10	0.10	1.4260		
<input type="checkbox"/>	C01CA24123P3 001XX	Adrenaline Acid Tartrate 1mg/ml Injection	43.0001.02	Adrenaline Sol BP 1ml Inj	2,000	Injectables	161270T (GENERIC NAME)	30/05/2018	Pack of 10 amps	198	10	19.80	1.4260		
<input checked="" type="checkbox"/>	J01CR01961P4 002XX	Ampicillin 1g + Sulbactam 500mg Injection	J01CR01961 P4002XX.04	Ampicillin 1g + Sulbactam 500mg Injection	3,000	Injectables	2300817 (GENERIC NAME)	31/12/2019	pack of 10 vial	600	10	60.00	1.5500	10	1.00
<input type="checkbox"/>	J01CA01520P4 001XX	Ampicillin 500mg Injection	07.0002.09	Ampicillin 500mg Inj	1,200	Injectables	GL4723 AMILLIN	31/08/2019	Pack of 10 vials	500	1	500.00	2.3200		
<input type="checkbox"/>	A03BA01183P3 001XX	Atropine Sulphate 1mg/ml Injection	43.0006.02	Atropine Sulphate	1,000	Injectables	160236T ACIPAN	31/01/2019	Pack of 10 amps	699	10	69.90	1.1600		

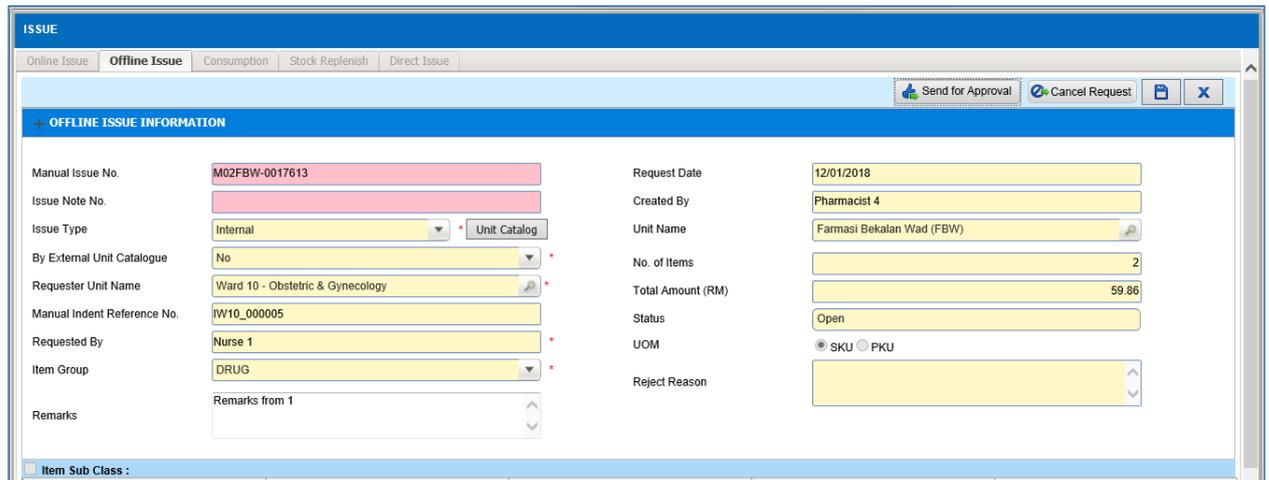
v. Added item list

OFFLINE ISSUE LIST

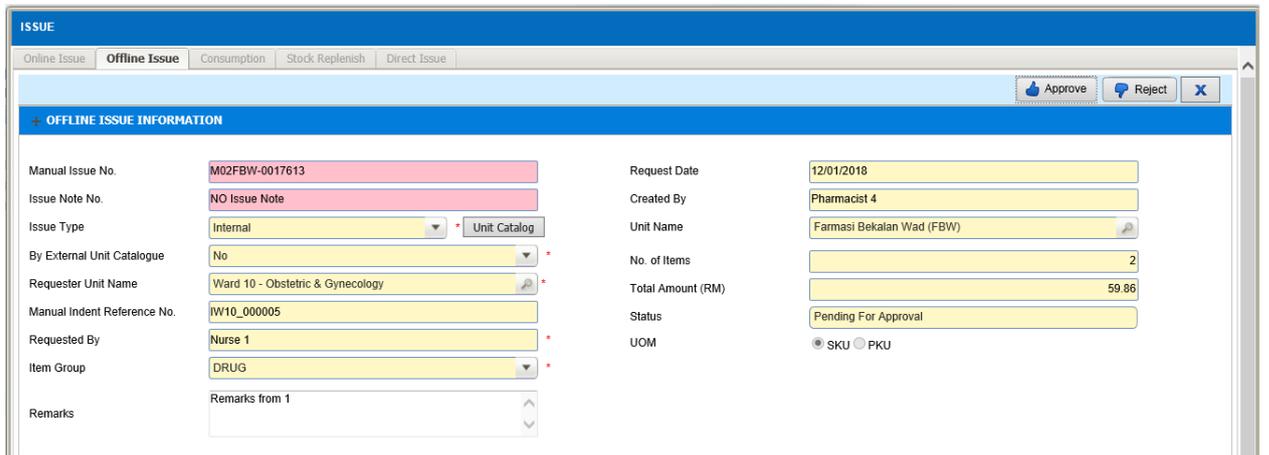
1 / 1 [1 - 2 / 2]

Drug/Non-Drug Code	Drug/Non-Drug Name	Max Storage	Quantity Available	Issue Quantity	SKU	Average Unit Price (RM)	Total Amount (RM)	Usage & Issue Quantity
<input type="checkbox"/>	J01CR01961P4002XX	Ampicillin 1g + Sulbactam 500mg Injection	5	600	10 vial	1.4857	14.86	0
<input type="checkbox"/>	A12AA03000P3001XX	Calcium Gluconate 10% Injection	3	500	10 amp	4.5000	45.00	0

vi. Send for approval



vii. Approval



Notes	<ul style="list-style-type: none"> • Add/Delete Item if necessary • Save record and Send for Approval (for user without approval role) • Approve and Reject (for user with approval role)
Cross References	

3.2.4.4.2 Application Business Rules

No.	Name	Description
1.	New issue record	Create new record: i. User to fill in all required details ii. Record status displayed as 'Open' by default
2.	Unit Catalog	User must select requester unit before able to unit catalog. Unit catalog screen will be displayed for user to view only.
3.	Add item	Click on Add item button to add item to the list. i. Item will be displayed based on issuer unit catalogue. ii. For external issue, item will be displayed based on item list in external unit catalogue if user select 'By External Unit Catalogue' = Yes.



No.	Name	Description
		iii. User able to search the item by following criteria <ul style="list-style-type: none"> • Item Code • Item Description • Drug/Non-Drug Code • Drug/Non-Drug Name • Item Sub Class • With Stock/Without Stock iv. List will be filtered by Item Class/Item Sub-Class based on value selected before user click on Add Item
4.	Item List	Item list will display the following information: <ol style="list-style-type: none"> i. Drug/Non-Drug Code ii. Drug/Non-Drug Name iii. Item Code iv. Item Description v. Max Storage vi. Item Sub Class vii. Batch No. viii. Brand Name ix. Expiry Date x. Packaging Description xi. Stock Available (SKU) xii. Conversion Factor xiii. Stock Available (PKU) xiv. Average Unit Price (RM) xv. Issue Quantity (SKU) xvi. Issue Quantity (PKU) Click on item to manually add item to the list. Enter required fields and click on save button to add item to the list.
5.	Offline issue list	Added item will be displayed in the list as below: <ol style="list-style-type: none"> i. Drug/Non-Drug Code ii. Drug/Non-Drug Name iii. Max Storage iv. Quantity Available v. Issue Quantity vi. SKU vii. Average Unit Price (RM) viii. Total Amount (RM) ix. Usage & Issue Quantity
6.	Save new issue record	On click of 'Save' button: <ol style="list-style-type: none"> i. Issue status remain as Open ii. UOM selection will be disabled i. 'Send for Approval' and 'Cancel' button will be displayed. ii. Issue record will be displayed in issue list for approver. Type = Offline issue

No.	Name	Description
7.	Manual Issue No.	This field will automatically be assigned with a system generated allocation no when user saves the transaction.
8.	Cancel	On click of 'Cancel' button: i. Issue status updated to 'Cancelled' ii. All fields and buttons will be disabled
9.	Send for Approval	On click of 'Send for Approval' button: i. Issue status updated to 'Pending for Approval' ii. Approve and Reject button will be displayed for user with approval role. iii. Issue record will be displayed in task list for supplying unit. Type = 'Issue (Offline)' with status 'Pending for Approval'
10.	Reject button	i. Once click button Reject Indent, 'Reject Indent Reason' will be displayed for user to enter. Once reason is entered and click on reject button status will be updated: • Issue Status = 'Rejected' ii. Rejected record will be displayed in Rejected Issue screen, Issue Request Type = Offline issue. iii. Record will be remove from task list
11.	Approve button	On click of 'Approve' button: i. Issue status updated to 'Approved' ii. Receiving Flag updated to 'Yes' iii. 'Generate Issue Note' button will be displayed iv. Stock will be deducted from supplying unit v. No stock will be updated at receiver(indenter) unit. vi. Record will be remove from task list *Approval button only will be displayed for user with approval roles
12.	Generate Issue Note	<ul style="list-style-type: none"> Refer KEW.PS-10 (for Main store) & KEW.PS-11 (for Sub-store) Issue note number will be generated.

3.2.4.4.3 Input Validation Rules

No.	Name	Description	Mandatory	Format
Header				
1.	Issue Type	Value refer to reference code, domain = 'ISSUE_TO': <ul style="list-style-type: none"> External Internal For level 1 user, for Intra/Inter facility, value will be defaulted to 'External' For level 2 user, for Intra/Inter facility, value will be defaulted to 'Internal'	Yes	Drop down list
2.	By External Unit Catalogue	Drop down box with selection of Yes and No. Default selection to No.	Yes	Drop down list



No.	Name	Description	Mandatory	Format
3.	External facility Name	If 'By External Unit Catalogue' = No, it will list down all active facilities from external facility master list. If 'By External Unit Catalogue' = Yes, it will list down all facilities with unit catalogue only (refer to Unit Catalogue for External Facility)	Yes	Drop down list
4.	Requester Unit Name	Field will display all requester unit list. User able to search based on requester unit name and code.	Yes	Drop down list
5.	Manual Indent Reference No.	User to enter free text value with maximum 25 characters.	No	Text field
6.	Requested By	User to enter free text value with maximum 50 characters.	Yes	Text field
7.	Item Group	Value refer to reference code, domain = 'ITEM_GROUP' Default to 'Drug' however user can select specific value: <ul style="list-style-type: none"> • Drug • Non-Drug 	Yes	Drop down list
8.	Remarks	User to enter free text value with maximum 100 characters.	No	Text field
9.	Requested Date	Display based on the record created date <i>Format: dd/mm/yyyy</i>	Yes	Read-only
10.	Requested By	User who created/saved the record. Displayed based on user's first name and last name from Maintenance>Security>User Profile.	Yes	Read-only
11.	Unit Name	Default to user unit from Maintenance>Security>User Profile. For level 2 user, user can select other unit from level 2 and 3 where department = Pharmacy only.	No	Drop down list
12.	No. of Items	Total item selected in item list	No	Read-only
13.	Total Amount (RM)	Total amount of item selected in item list	No	Read-only
14.	Status	For new issue default status to 'Open'	No	Read-only
15.	UOM	Radio button with selection of SKU or PKU. Default selection to SKU.	No	Radio button
16.	Reject Reason	User to enter free text value with maximum 500 characters. Mandatory if user want to reject the record.	Yes	Text field
Add Item				
17.	Issue Quantity (SKU)	If UOM = SKU, this field will be enable Numeric value with maximum 9 digits If user enter the quantity in SKU, convert the value for PKU = Quantity in SKU/Conversion Factor	Yes	Text field
18.	Issue Quantity	If UOM = PKU, this field will be enable	Yes	Text field



No.	Name	Description	Mandatory	Format
	(PKU)	Numeric value with maximum 15 digits with 2 decimal point If user enter the quantity in PKU, convert the value for SKU = Quantity in PKU * Conversion Factor		



3.7.4.5 Issue - Consumption

3.2.4.5.1 Screen Design

ID	ISS.SD4
Description	Issue - Consumption

Diagram

i. Issue - Consumption

ii. Add item

iii. Add item – search list

ADD ITEM
📄 ⌂ ✕

Item Code:

Drug/Non-Drug Code:

Item Sub Class:

Item Description:

Drug/Non-Drug Name:

Without Stock:

With Stock:

🔍 Search

<< 1 / 1 >>
[1 - 2 / 2]

☐	Drug/Non-Drug Code	Drug/Non-Drug Name	Item Code	Item Description	Max Storage	Item Sub Class	Batch No.	Brand Name	Expiry Date	Packaging Description	Stock Available (SKU)	Conversion Factor	Stock Available (PKU)	Average Unit Price (RM)	Issue Quantity (SKU)	Issue Quantity (PKU)
☐	F1950110005	Liquid Cleansing Soln	F1950110005.01	Liquid Cleansing Soln	18	Solution	005/2015	NO BRAND		Bottle	4	1	4.00	0.0000	<input type="text"/>	<input type="text"/>
☐	D2140370001	Minimum-Maximum Thermometer	D2140370001.01	Minimum-Maximum Thermometer	No available	Thermometer	DMKULIM2015	NO BRAND		Each	3	1	3.00	60.3077	<input type="text"/>	<input type="text"/>

iv. Added item list

OFFLINE ISSUE LIST
🗑️ Delete Item ➕ Add Item

<< 1 / 1 >>
[1 - 1 / 1]

☐	Drug/Non-Drug Code	Drug/Non-Drug Name	Max Storage	Quantity Available	Consumption Quantity	SKU	Average Unit Price (RM)	Total Amount (RM)	Usage & Issue Quantity
☐	F1950110005	Liquid Cleansing Soln	18	4	2	bott	0.0000	0.00	0

v. Confirm

ISSUE
📄 ⌂ ✕

Online Issue
Offline Issue
Consumption
Stock Replenish
Direct Issue

Confirm
📄 ⌂ ✕

CONSUMPTION
🗑️ Delete Item ➕ Add Item

Manual Issue No.

Issue Note No.

Issue Type: Unit Catalog

By External Unit Catalogue: *

Manual Indent Reference No.

Requested By: *

Item Group: *

Remarks:

Request Date:

Created By:

Unit Name:

No. of Items:

Total Amount (RM):

Status:

UOM: SKU PKU

Item Sub Class

Cannula Tubing

Diagnostic

Disinfectant

Dressing Plaster

General Item

Implant

Instrument

Lab Apparatus

Lab Chemical

Miscellaneous

Personal Protective Equipment

Radiological Item

Reagent

Rehabilitation Devices

Renal/Nephrology

Respiratory Devices

Surgical Tools

OFFLINE ISSUE LIST
🗑️ Delete Item ➕ Add Item

<< 1 / 1 >>
[1 - 1 / 1]

☐	Drug/Non-Drug Code	Drug/Non-Drug Name	Max Storage	Quantity Available	Consumption Quantity	SKU	Average Unit Price (RM)	Total Amount (RM)	Usage & Issue Quantity
☐	F1950110005	Liquid Cleansing Soln	18	4	2	bott	0.0000	0.00	0

Notes

- Add/Delete Item if necessary
- Once save record cannot be cancelled.

Cross References

3.2.4.5.2 Application Business Rules

No.	Name	Description
1.	Create new record:	Create new record: i. User to fill in all required details ii. Record status displayed as 'Open' by default
2.	Unit Catalog	Unit catalog will be displayed for selected unit. Unit catalog screen will be displayed for user to view only.
3.	Add item	Click on Add item button to add item to the list. i. Item will be displayed based on selected unit catalogue. ii. User able to search the item by following criteria <ul style="list-style-type: none"> • Item Code • Item Description • Drug/Non-Drug Code • Drug/Non-Drug Name • Item Sub Class • With Stock/Without Stock List will be filtered by Item Class/Item Sub-Class based on value selected before user click on Add Item
4.	Item List	Item list will display the following information: i. Drug/Non-Drug Code ii. Drug/Non-Drug Name iii. Item Code iv. Item Description v. Max Storage vi. Item Sub Class vii. Batch No. viii. Brand Name ix. Expiry Date x. Packaging Description xi. Stock Available (SKU) xii. Conversion Factor xiii. Stock Available (PKU) xiv. Average Unit Price (RM) xv. Issue Quantity (SKU) xvi. Issue Quantity (PKU) Click on item to manually add item to the list. Enter required fields and click on save button to add item to the list.
5.	Consumption list	Added item will be displayed in the list as below: i. Drug/Non-Drug Code ii. Drug/Non-Drug Name iii. Max Storage iv. Quantity Available v. Consumption Quantity vi. SKU vii. Average Unit Price (RM)

No.	Name	Description
		viii. Total Amount (RM) ix. Usage & Issue Quantity
6.	On click of 'Save' button:	On click of 'Save' button: i. Issue status updated as Draft ii. 'Confirm' button will be displayed. iii. UOM selection will be disabled iv. User still able to add or remove item from the list
7.	Manual Issue No.	This field will automatically be assigned with a system generated allocation no when user saves the transaction.
8.	Confirm button	On click of 'Confirm' button: i. Issue status updated to 'Approved' ii. Receiving Flag updated to 'Yes' iii. 'Issue Note No' field will be updated as 'No Issue Note' iv. Stock will be deducted from the unit
9.	Own Consumption Report	User able to print report once record is confirmed. Refer to Own Consumption Report .

3.2.4.5.3 Input Validation Rules

No.	Name	Description	Mandatory	Format
Header				
1.	Issue Type	Default to 'Consumption'	No	Read-Only
2.	By External Unit Catalogue	Default to 'No'	No	Read-Only
3.	Manual Indent Reference No.	User to enter free text value with maximum 25 characters.	No	Text field
4.	Requested By	User to enter free text value with maximum 50 characters.	Yes	Text field
5.	Item Group	Value refer to reference code, domain = 'ITEM_GROUP' Default to 'Drug' however user can select specific value: <ul style="list-style-type: none"> Drug Non-Drug 	Yes	Drop down list
6.	Remarks	User to enter free text value with maximum 200 characters.	No	Text field
7.	Requested Date	Display based on the record created date <i>Format: dd/mm/yyyy</i>	Yes	Read-only
8.	Requested By	User who created/saved the record. Displayed based on user's first name and last name from Maintenance>Security>User Profile.	Yes	Read-only
9.	Unit Name	Default to user unit from Maintenance>Security>User	No	Drop down



No.	Name	Description	Mandatory	Format
		Profile. For level 2 user, user can select other unit from level 2 and 3 where department = Pharmacy only.		list
10.	No. of Items	Total item selected in item list	No	Read-only
11.	Total Amount (RM)	Total amount of item selected in item list	No	Read-only
12.	Status	For new issue default status to 'Open'	No	Read-only
13.	UOM	Radio button with selection of SKU or PKU. Default selection to SKU.	No	Radio button
14.	Reject Reason	User to enter free text value with maximum 500 characters. Mandatory if user want to reject the record.	Yes	Text field
Add Item				
15.	Issue Quantity (SKU)	If UOM = SKU, this field will be enable Numeric value with maximum 9 digits If user enter the quantity in SKU, convert the value for PKU = Quantity in SKU/Conversion Factor	Yes	Text field
16.	Issue Quantity (PKU)	If UOM = PKU, this field will be enable Numeric value with maximum 15 digits with 2 decimal point If user enter the quantity in PKU, convert the value for SKU = Quantity in PKU * Conversion Factor	Yes	Text field



3.7.4.6 Issue – Stock Replenish

3.2.4.6.1 Screen Design

ID	ISS.SD5
Description	Issue – Stock Replenish

Diagram

i. Stock Replenish

ii. Add item



iii. Add item – search list

Item Code	Item Description
Drug/Non-Drug Code	Drug/Non-Drug Name
Item Sub Class	With Stock <input checked="" type="checkbox"/> Without Stock <input type="checkbox"/>
Standard Item	<input type="text" value="Search"/>

Drug/Non-Drug Code	Drug/Non-Drug Name	Item Code	Item Description	Max Storage	Item Sub Class	Batch No.	Brand Name	Expiry Date	Packaging Description	Stock Available (SKU)	Conversion Factor	Stock Available (PKU)	Average Unit Price (RM)	Issue Quantity (SKU)	Issue Quantity (PKU)
C01CA24123P3001XX	Adrenaline Acid Tartrate 1mg/ml Injection	43.0001.02	Adrenaline Acid Tartrate 1mg/ml Injection	2,000	Injectables	171791T	PHARMANIAGA	31/08/2019	Pack of 10 amps	490	10	49.00	1.4260		
A03BA01183P3001XX	Atropine Sulphate 1mg/ml Inj	43.0006.02	Atropine Sulphate 1mg/ml Inj	1,000	Injectables	162088T	ACIPAN	31/10/2019	Pack of 10 amps	900	10	90.00	1.1600		
C01CA07110P3001XX	Dobutamine 12.5mg/ml in 20ml Injection (250mg/20ml)	03.0610.04	Dobutamine 12.5 mg / ml in 20 ml Injection (250mg/20ml)	600	Injectables	171225T	MOBITIL	31/08/2019	vial	100	1	100.00	8.9600		
C01CA07110P3001XX	Dobutamine 12.5mg/ml in 20ml Injection (250mg/20ml)	03.0610.05	Dobutamine 12.5mg/ml in 20ml Injection (250mg/20ml)	600	Injectables	172563T	PIRIMAT	31/12/2019	pack of 10 vial	300	10	30.00	11.5880		

iv. Added Item List (manual)

Drug Code	Drug Description	Max Storage In Requester Unit	Stock Available In Supplier Unit	Stock Available In Requester Unit	Suggested Quantity	Issue Quantity	SKU	Average Unit Price (RM)	Total Amount (RM)	Usage & Issue Quantity	Remarks (Drug Label)
C01CA24123P3001XX	Adrenaline Acid Tartrate 1mg/ml Injection	15	490	15	50	50 amp		1.4260	71.30	4,000	
A03BA01183P3001XX	Atropine Sulphate 1mg/ml Injection	15	900	15	50	50 amp		1.1600	58.00	500	

v. Item List (Stock Replenish)

Drug Code	Drug Description	Max Storage In Requester Unit	Stock Available In Supplier Unit	Stock Available In Requester Unit	Suggested Quantity	Issue Quantity	SKU	Average Unit Price (RM)	Total Amount (RM)	Usage & Issue Quantity	Remarks (Drug Label)
A06AD11000L5001XX	Lactulose 3.35 g/5 ml Liquid	200	0	0	0	0 ml		0.0308	0.00	0	
R03AC02183A3001XX	Salbutamol 0.5 % Nebulising Solution	5	500	2	3	3 bott		4.9376	14.81	1,100	
GLN0200082	Chlorhexidine 1 in 200 (0.5%) in Methylated Spirit 70%	2,000	0	1,999	0	0 ml		0.0000	0.00	0	
GLN0100009	Potassium Chloride 1gm/10ml Mixture	600	0	0	0	0 ml		0.0000	0.00	0	
R03AK04320A3001XX	Ipratropium Br 0.5mg, Salbutamol 2.5mg Neb (UDV)	50	1,200	0	50	50 amp		0.4947	24.74	6,180	
N02BE01000T1001XX	Paracetamol 500 mg Tablet	200	0	100	0	0 tablet		0.0134	0.00	0	
V07AB00000P3001b	Sterile Water for Injection 10mL	50	6,000	30	20	20 amp		0.1640	3.28	7,000	
V07AY00250G4001XX	Hydroxyethyl Cellulose Jelly (KY Jelly)	1	60	0	1	1 tube		4.9000	4.90	120	
N01BB02110P3001XX	LIGNOcaine HCl (Lidocaine) 2% Injection (10ml) for local anaesthetic	5	800	3	2	2 vial		1.1600	2.32	2,000	
R03BB01320A3002XX	Ipratropium Bromide 0.025% Nebulising Soln (250 mcg/ml) UDV	30	1,800	0	30	30 EA		0.9743	29.23	600	



vi. Item Allocation

ITEM ALLOCATION													
Item Code	Item Description	Drug Code	Drug Description	Brand Name	Batch No	Expiry Date	Packaging Description	Stock Available (SKU)	Conversion Factor	Stock Available (PKU)	Average Unit Price (RM)	Issue Quantity (SKU)	Issue Quantity (PKU)
01.3666.03	Salbutamol Respirator Soln 0.5% 10ml	R03AC02183A3001XX	Salbutamol 0.5 % Nebulising Solution	PHARMANIAGA	5000016	30/09/2019	Bottle of 10 ml	420 (bott)	1	420.00 (bott)	4.9376	3	3.00
01.3666.03	Salbutamol Respirator Soln 0.5% 10ml	R03AC02183A3001XX	Salbutamol 0.5 % Nebulising Solution	PHARMANIAGA	5000936	31/12/2019	Bottle of 10 ml	80 (bott)	1	80.00 (bott)	4.9376	0	0.00
Total Quantity												3	

vii. Send for Approval

ISSUE

Online Issue | Offline Issue | Consumption | **Stock Replenish** | Direct Issue

Send for Approval | Cancel Request

Stock Replenish No. Generated Date

Requester Unit * Created By

Item Group * Supply Unit

Total Issue Amount(RM) No. of Items

Remarks

UOM SKU PKU Status

Reject Reason

Item Sub Class

<input type="checkbox"/> Cytotoxic	<input type="checkbox"/> External Preparation	<input type="checkbox"/> Inhalers, Eye/Ear/Nose Preparations	<input type="checkbox"/> Injectables	<input type="checkbox"/> Internal Preparation
<input type="checkbox"/> IV/IP/IRR Solution	<input type="checkbox"/> Parenteral Nutrition	<input type="checkbox"/> Psychotropic/Narcotic	<input type="checkbox"/> Radiopharmaceuticals	<input type="checkbox"/> Raw Material
<input type="checkbox"/> Tablet/Capsule	<input type="checkbox"/> Vaccine			

LIST OF ITEMS

Delete Item | Add Item

Drug Code	Drug Description	Max Storage In Requester Unit	Stock Available In Supplier Unit	Stock Available In Requester Unit	Suggested Quantity	Issue Quantity	SKU	Average Unit Price (RM)	Total Amount (RM)	Usage & Issue Quantity	Remarks (Drug Label)
<input type="checkbox"/> C01CA24123P3001XX	Adrenaline Acid Tartrate 1mg/ml Injection	15	490	15	10	10	amp	1.4260	14.26	4,000	
<input type="checkbox"/> A03BA01183P3001XX	Atropine Sulphate 1mg/ml Injection	15	900	15	10	10	amp	1.1600	11.60	500	



viii. Approval

ISSUE

Online Issue | Offline Issue | Consumption | **Stock Replenish** | Direct Issue

Approve | Reject | X

Stock Replenish No: F02FBW-0013850 Generated Date: 28/03/2018

Requester Unit: Ward 4 - Medical (Female) * Level 3 Unit Catalog Created By: Pharmacist IP

Item Group: DRUG * Supply Unit: Farmasi Bekalan Wad (FBW) Level 2

Total Issue Amount(RM): 25.86 No. of Items: 2

Remarks: Status: Pending For Approval

UOM: SKU PKU Reject Reason:

Item Sub Class

Cytotoxic External Preparation Inhalers, Eye/Ear/Nose Preparations Injectables Internal Preparation

IV/IP/IRR Solution Parenteral Nutrition Psychotropic/Narcotic Radiopharmaceuticals Raw Material

Tablet/Capsule Vaccine

LIST OF ITEMS

Delete Item

Drug Code	Drug Description	Max Storage In Requester Unit	Stock Available In Supplier Unit	Stock Available In Requester Unit	Suggested Quantity	Issue Quantity	SKU	Average Unit Price (RM)	Total Amount (RM)	Usage & Issue Quantity	Remarks (Drug Label)
C01CA24123P3001XX	Adrenaline Acid Tartrate 1mg/ml Injection	15	490	15	10	10	amp	1.4260	14.26	4,000	
A03BA01183P3001XX	Atropine Sulphate 1mg/ml Injection	15	900	15	10	10	amp	1.1600	11.60	500	

ix. Print label

REPORT

Select All

Drug Name	Ipratropium Br 0.5mg, Salbutamol 2.5mg Neb (UDV)	<input checked="" type="checkbox"/>
Strength	2.5000	
Form	Pulmonary Solution	
Batch No	HB370297	<input checked="" type="checkbox"/>
Expiry Date	2019-10-31	
Quantity	5	
Price (RM)	0.6200	
Drug Name	Hydroxyethyl Cellulose Jelly (KY Jelly)	<input checked="" type="checkbox"/>
Strength	1.0000	
Form	Vaginal Gel	
Batch No	667M1	<input checked="" type="checkbox"/>
Expiry Date	2020-05-31	
Quantity	1	
Price (RM)	4.9000	

x. Ward/Unit Stock Label

Ward 4 - Medical (Female)			Ward 4 - Medical (Female)		
Ipratropium Br 0.5mg, Salbutamol 2.5			Ipratropium Br 0.5mg, Salbutamol 2.5		
Qty : 5	SKU : amp	Unit Price 0.6200	Qty : 5	SKU : amp	Unit Price 0.6200
Batch No : HB370297		Exp Date : 2019-10-31	Batch No : HB370297		Exp Date : 2019-10-31
Remarks: Ipratropium Br 0.5mg, Salbutamol 2.5mg Neb (UDV) xxxxxxxx			Remarks: Ipratropium Br 0.5mg, Salbutamol 2.5mg Neb (UDV) xxxxxxxx		
Ward 4 - Medical (Female)			Ward 4 - Medical (Female)		
Ipratropium Br 0.5mg, Salbutamol 2.5			Ipratropium Br 0.5mg, Salbutamol 2.5		
Qty : 5	SKU : amp	Unit Price 0.6200	Qty : 5	SKU : amp	Unit Price 0.6200
Batch No : HB370297		Exp Date : 2019-10-31	Batch No : HB370297		Exp Date : 2019-10-31
Remarks: Ipratropium Br 0.5mg, Salbutamol 2.5mg Neb (UDV) xxxxxxxx			Remarks: Ipratropium Br 0.5mg, Salbutamol 2.5mg Neb (UDV) xxxxxxxx		



Notes	<ul style="list-style-type: none"> • Add/Delete Item if necessary • Save record and Send for Approval (for user without approval role) • Approve and Reject (for user with approval role)
Cross References	6.3.1 Ward Stock label

3.2.4.6.2 Application Business Rules

No.	Name	Description
1.	New issue record	<p>Create new record:</p> <ul style="list-style-type: none"> i. User to fill in all required details ii. Record status displayed as 'Open' by default
2.	Unit Catalog	User must select requester unit before able to unit catalog. Unit catalog screen will be displayed for user to view only.
3.	Stock Replenish	<ul style="list-style-type: none"> i. User must select requester unit before can generate stock replenish list. ii. System will auto calculate the Suggested Qty for selected Item Group, Item Sub Group and Item Status is Active which is maintained in the Unit Catalog for the requester Unit. iii. Formula for calculating the Suggested Qty: <i>Suggested Quantity = Max Storage – Stock Available</i> iv. RIL criteria <ul style="list-style-type: none"> • Stock available < Buffer level • Suggested Quantity > 0 v. If Stock Available > Max Storage, system not allow user add item manually by Add Item button vi. No checking for below buffer level for manual add item. vii. Item is ward stock
4.	Add item	<p>Click on Add item button to add item to the list.</p> <ul style="list-style-type: none"> i. Item will be displayed based on issuer unit catalogue. ii. User able to search the item by following criteria <ul style="list-style-type: none"> • Item Code • Item Description • Drug/Non-Drug Code • Drug/Non-Drug Name • Item Sub Class • With Stock/Without Stock <p>List will be filtered by Item Class/Item Sub-Class based on value selected before user click on Add Item</p>
5.	Item List	<p>Item list will display the following information:</p> <ul style="list-style-type: none"> i. Drug/Non-Drug Code ii. Drug/Non-Drug Name iii. Item Code iv. Item Description v. Max Storage vi. Item Sub Class



No.	Name	Description
		vii. Batch No. viii. Brand Name ix. Expiry Date x. Packaging Description xi. Stock Available (SKU) xii. Conversion Factor xiii. Stock Available (PKU) xiv. Average Unit Price (RM) xv. Issue Quantity (SKU) xvi. Issue Quantity (PKU) Click on item to manually add item to the list. Enter required fields and click on save button to add item to the list.
6.	List of Items	Added item will be displayed in the list as below: i. Drug/Non-Drug Code ii. Drug/Non-Drug Name iii. Max Storage In Requester Unit iv. Stock Available In Supplier Unit v. Stock Available In Requester Unit vi. Suggested Quantity Issue Quantity vii. SKU viii. Average Unit Price (RM) ix. Total Amount (RM) x. Usage & Issue Quantity xi. Remarks (Drug Label)
7.	Save new record	On click of 'Save' button: i. Issue status remain as Open ii. UOM selection will be disabled iii. 'Send for Approval' and 'Cancel' button will be displayed. Issue record will be displayed in issue list for approver. Type = Ward/Unit Stock
8.	Stock Replenish No	This field will automatically be assigned with a system generated allocation no when user saves the transaction.
9.	Cancel	On click of 'Send for Approval' button: i. Issue status updated to 'Cancelled' ii. All fields and buttons will be disabled
10.	Send for Approval	On click of 'Send for Approval' button: i. Issue status updated to 'Pending for Approval' ii. Approve and Reject button will be displayed for user with approval role. Issue record will be displayed in task list for supplying unit. Type = 'Issue (Stock Replenish)' with status 'Pending for Approval'
11.	Reject button	i. Once click button Reject Indent, 'Reject Indent Reason' will be displayed for user to enter. Once reason is entered and click on reject button status will be updated: <ul style="list-style-type: none"> • Status = 'Rejected'



No.	Name	Description
		ii. Rejected record will be displayed in Rejected Issue screen, Issue Request Type = Ward/Unit Stock. iii. Record will be remove from task list
12.	Approve button	User is allowed to change the issue quantity before approve the record. On click of 'Approve' button: <ol style="list-style-type: none"> i. Status updated to 'Approved' ii. 'Generate Issue Note' button will be displayed iii. 'Print label' button will be displayed iv. Stock will be deducted from supplying unit v. For facility with auto top-up = No <ul style="list-style-type: none"> • Receiving Flag updated to 'No' • No stock will be updated at receiver(requester) unit. • Record will be displayed in receiving screen for requester unit with status 'Open' vi. For facility with auto top-up = Yes <ul style="list-style-type: none"> • Receiving Flag updated to 'Yes' • Stock will be updated at receiver(requester) unit. vii. Record will be remove from task list *Approval button only will be displayed for user with approval roles *Auto top-up means no receiving required. Flag is configurable by facility
13.	Generate Issue Note	Refer KEW.PS-10 (for Main store) & KEW.PS-11 (for Sub-store)

3.2.4.6.3 Input Validation Rules

No.	Name	Description	Mandatory	Format
Header				
1.	Requester Unit Name	Field will display all requester unit list. User able to search based on requester unit name and code.	Yes	Drop down list
2.	Item Group	Value refer to reference code, domain = 'ITEM_GROUP' Default to 'Drug' however user can select specific value: Drug Non-Drug	Yes	Drop down list
3.	Total Issue Amount (RM)	Total amount of item selected in item list	No	Read-only
4.	Remarks	User to enter free text value with maximum 100 characters.	No	Text field
5.	UOM	Radio button with selection of SKU or PKU. Default selection to SKU.	No	Radio button
6.	Requested Date	Display based on the record created date <i>Format: dd/mm/yyyy</i>	Yes	Read-only
7.	Created By	User who created/saved the record. Displayed based on user's first name and last name from	Yes	Read-only

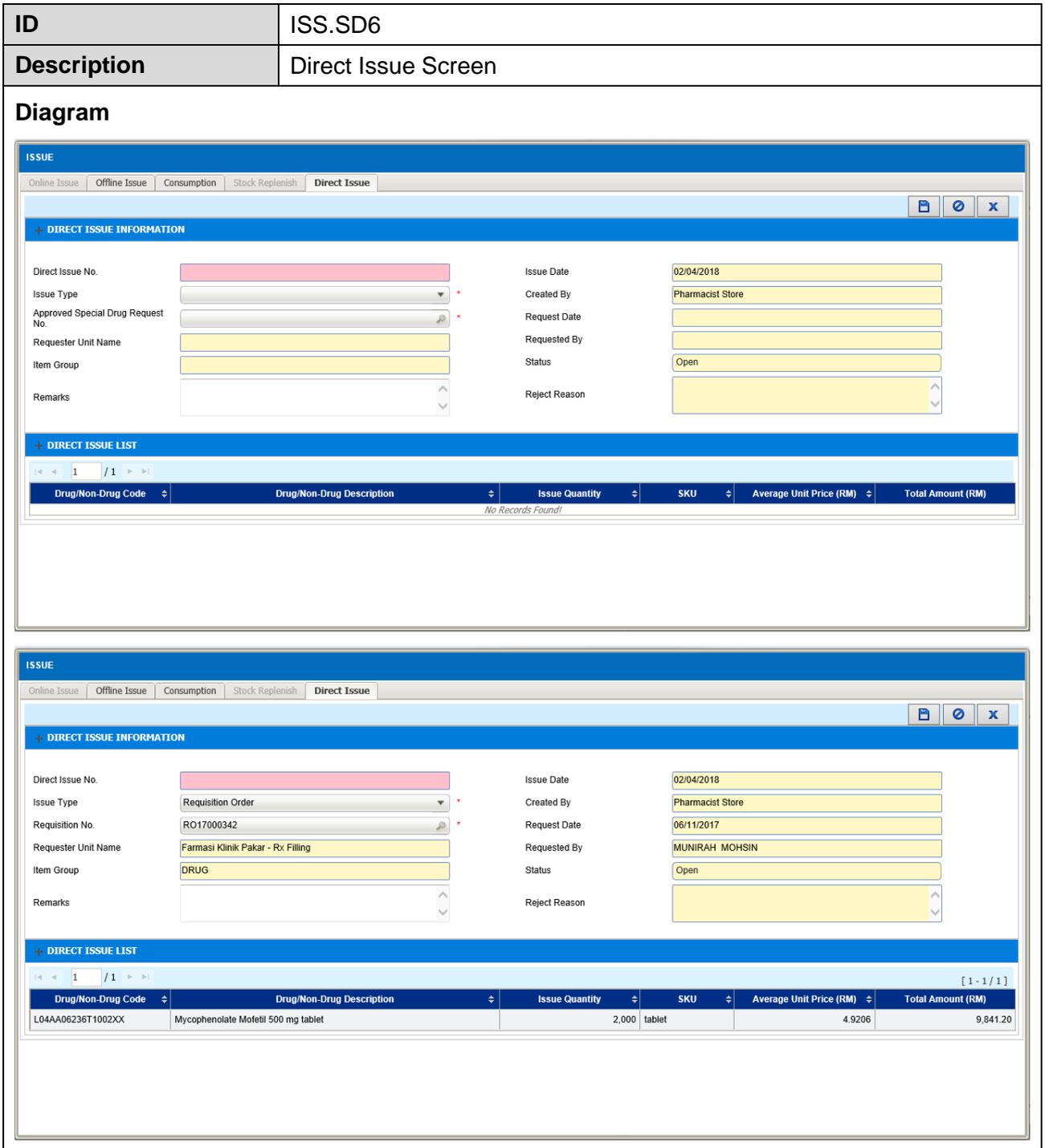


No.	Name	Description	Mandatory	Format
		Maintenance>Security>User Profile.		
8.		Default to user unit from Maintenance>Security>User Profile. User can select other unit from level 3 where belong to level user unit and department = Pharmacy only.	No	Drop down list
9.	No. of Items	Total item selected in item list	No	Read-only
10.	Status	For new record default status to 'Open'	No	Read-only
11.	Reject Reason	User to enter free text value with maximum 500 characters. Mandatory if user want to reject the record.	Yes	Text field
Add Item				
12.	Issue Quantity (SKU)	If UOM = SKU, this field will be enable Numeric value with maximum 9 digits If user enter the quantity in SKU, convert the value for PKU = Quantity in SKU/Conversion Factor	Yes	Text field
13.	Issue Quantity (PKU)	If UOM = PKU, this field will be enable Numeric value with maximum 15 digits with 2 decimal point If user enter the quantity in PKU, convert the value for SKU = Quantity in PKU * Conversion Factor	Yes	Text field
List of Item				
14.	Remarks (Drug Label)	User to enter free text value with maximum 100 characters.	No	Text field



3.7.4.7 Issue – Direct Issue

3.2.4.7.1 Screen Design





ISSUE

Online Issue | Offline Issue | Consumption | Stock Replenish | **Direct Issue**

Send for Approval | Cancel Request

DIRECT ISSUE INFORMATION

Direct Issue No. Issue Date
 Issue Type Created By
 Requisition No. Request Date
 Requester Unit Name Requested By
 Item Group Status
 Remarks Reject Reason

DIRECT ISSUE LIST

Drug/Non-Drug Code	Drug/Non-Drug Description	Issue Quantity	SKU	Average Unit Price (RM)	Total Amount (RM)
L04AA06236T1002XX	Mycophenolate Mofetil 500 mg tablet	2,000	tablet	4.9206	9,841.20

ISSUE

Online Issue | Offline Issue | Consumption | Stock Replenish | **Direct Issue**

Approve | Reject

DIRECT ISSUE INFORMATION

Direct Issue No. Issue Date
 Issue Type Created By
 Requisition No. Request Date
 Requester Unit Name Requested By
 Item Group Status
 Remarks Reject Reason

DIRECT ISSUE LIST

Drug/Non-Drug Code	Drug/Non-Drug Description	Issue Quantity	SKU	Average Unit Price (RM)	Total Amount (RM)
L04AA06236T1002XX	Mycophenolate Mofetil 500 mg tablet	2,000	tablet	4.9206	9,841.20

Notes	
Cross References	

3.2.4.7.2 Application Business Rules

No.	Name	Description
1.	Direct Issue Type	User can do direct issue for the following transaction once receiving has been done. <ul style="list-style-type: none"> Approve Special Drug Requisition Oder Direct issue applicable to user from level 1 only.



No.	Name	Description
2.	Direct Issue List	List will display the following information: <ul style="list-style-type: none"> • Drug/Non-Drug Code • Drug/Non-Drug Description • Issue Quantity • SKU • Average Unit Price (RM) • Total Amount (RM)
3.	Save new issue record	On click of 'Save' button: <ol style="list-style-type: none"> i. Issue status remain as Open ii. UOM selection will be disabled iii. 'Send for Approval' and 'Cancel' button will be displayed. Issue record will be displayed in issue list. Type = Direct issue
4.	Direct Issue No	This field will automatically be assigned with a system generated allocation no when user saves the transaction.
5.	Cancel	On click of 'Cancel' button: <ol style="list-style-type: none"> i. Issue status updated to 'Cancelled' ii. All fields and buttons will be disabled
6.	Send for Approval	On click of 'Send for Approval' button: <ol style="list-style-type: none"> i. Issue status updated to 'Pending for Approval' ii. Approve and Reject button will be displayed for user with approval role. iii. Issue record will be displayed in task list for supplying unit. Type = 'Issue (Direct)' with status 'Pending for Approval'
7.	Reject button	<ol style="list-style-type: none"> i. Once click button Reject Indent, 'Reject Indent Reason' will be displayed for user to enter. Once reason is entered and click on reject button status will be updated: <ul style="list-style-type: none"> • Issue Status = 'Rejected' ii. Rejected record will be displayed in Rejected Issue screen, Issue Request Type = Direct issue. iii. Record will be remove from task list
8.	Approve button	On click of 'Approve' button: <ol style="list-style-type: none"> i. Issue status updated to 'Approved' ii. Receiving Flag updated to 'No' iii. 'Generate Issue Note' button will be displayed iv. Stock will be deducted from supplying unit v. Record will be remove from task list for issuer vi. Record will be displayed in task list for receiver unit. Type = 'Receive Internal' with status 'Pending to Receive' *Approval button only will be displayed for user with approval roles
9.	Generate Issue Note	<ul style="list-style-type: none"> • Refer KEW.PS-10 (for Main store) • Issue note number will be generated.



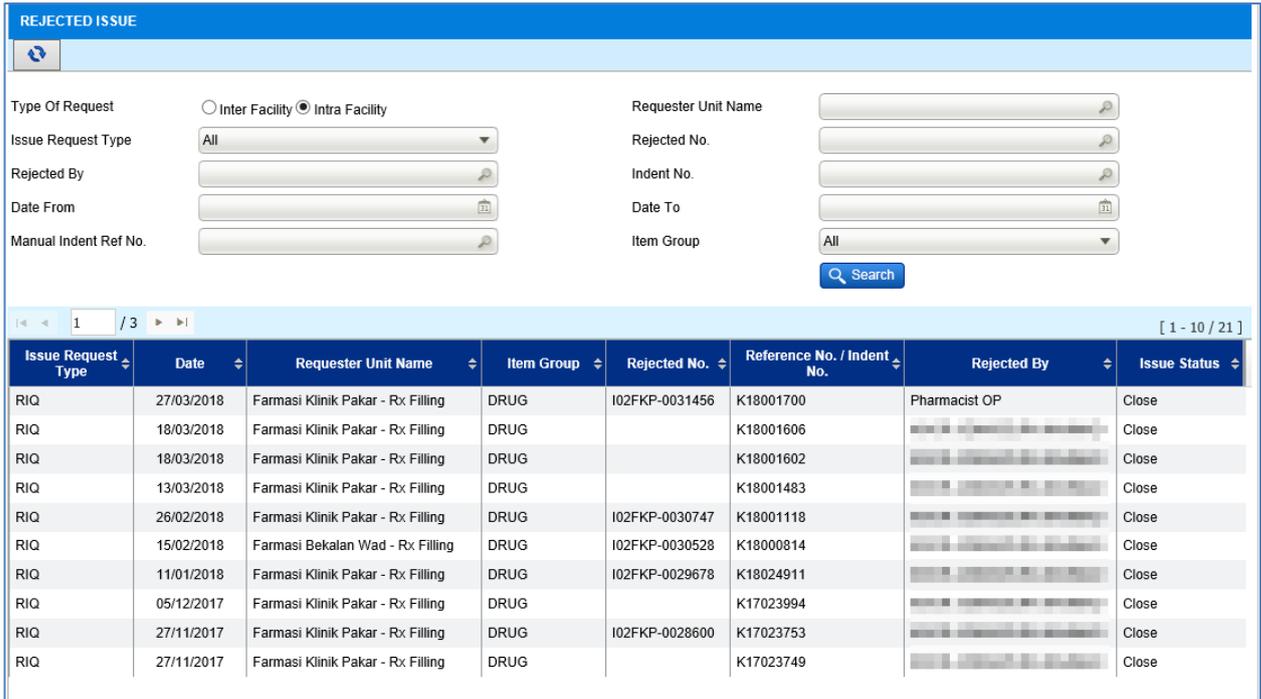
3.2.4.7.3 Input Validation Rules

No.	Name	Description	Mandatory	Format
1.	Issue Type	Value refer to reference code, domain = 'ISSUE_TYPE' Default to 'Drug' however user can select specific value: <ul style="list-style-type: none"> Approve Special Drug Requisition Oder 	Yes	Drop down list
2.	Approved Special Drug Request No. / Requisition No.	List will be displayed based on type selected transaction type for transaction pending for issue only. Once transaction is done, it will be removed from this list.	Yes	Searching field
3.	Requester Unit Name	Will be displayed based on selected transaction no.	No	Read-only
4.	Item Group	Will be displayed based on selected transaction no.	No	Read-only
5.	Remarks	User to enter free text value with maximum 500 characters.	No	Text field
6.	Issue Date	Default to current date	No	Read-only
7.	Created By	User who created/saved the record. Displayed based on user's first name and last name from Maintenance>Security>User Profile.	No	Read-only
8.	Request Date	Requested date. Will be displayed based on selected transaction no. <i>Format: dd/mm/yyyy</i>	No	Read-only
9.	Requested By	Requester name. Will be displayed on selected transaction no/	No	Read-only
10.	Status	Default to 'Open'	No	Read-only
11.	Reject Reason	User to enter free text value with maximum 500 characters. Mandatory if user want to reject the record.	Yes	Text field



3.7.4.8 Rejected Issue

3.2.4.8.1 Screen Design

ID	ISS.SD7
Description	Rejected Issue Screen
<p>Diagram</p> <p>i. Rejected issue listing</p>  <p>The screenshot shows a web interface for 'REJECTED ISSUE'. It includes filters for 'Type Of Request' (Inter Facility, Intra Facility), 'Issue Request Type' (All), 'Requester Unit Name', 'Rejected No.', 'Indent No.', 'Date From', 'Date To', 'Manual Indent Ref No.', and 'Item Group'. A search button is present. Below the filters is a table with columns: Issue Request Type, Date, Requester Unit Name, Item Group, Rejected No., Reference No. / Indent No., Rejected By, and Issue Status. The table contains 10 rows of data.</p>	
Notes	Double click on list to view the record. Details screen will be displayed based on type of issue and this screen is view only.
Cross References	

3.2.4.8.2 Application Business Rules

No.	Name	Description
10.	Listing	Listing will display list of issue record receive by the issue unit and status is closed. i. Record rejected by issuer ii. Issue force closed (by indent closure period)
11.	Search List	Click on the 'Search' button to search the existing record: i. If user enters multiple search criteria, system will display the search results based on the specified criteria ii. If no criteria entered, system will display all transactions by default criteria. System will display the records that match any keyword entered



		regardless of the letter type (uppercase or lowercase).
12.	Issue List	Double click on any record to view the record details. List will display the following information: i. Issue Request Type ii. Date iii. Requester Unit Name iv. Item Group v. Rejected No. vi. Reference No. / Indent No. vii. Rejected By viii. Issue Status

3.2.4.8.3 *Input Validation Rules*

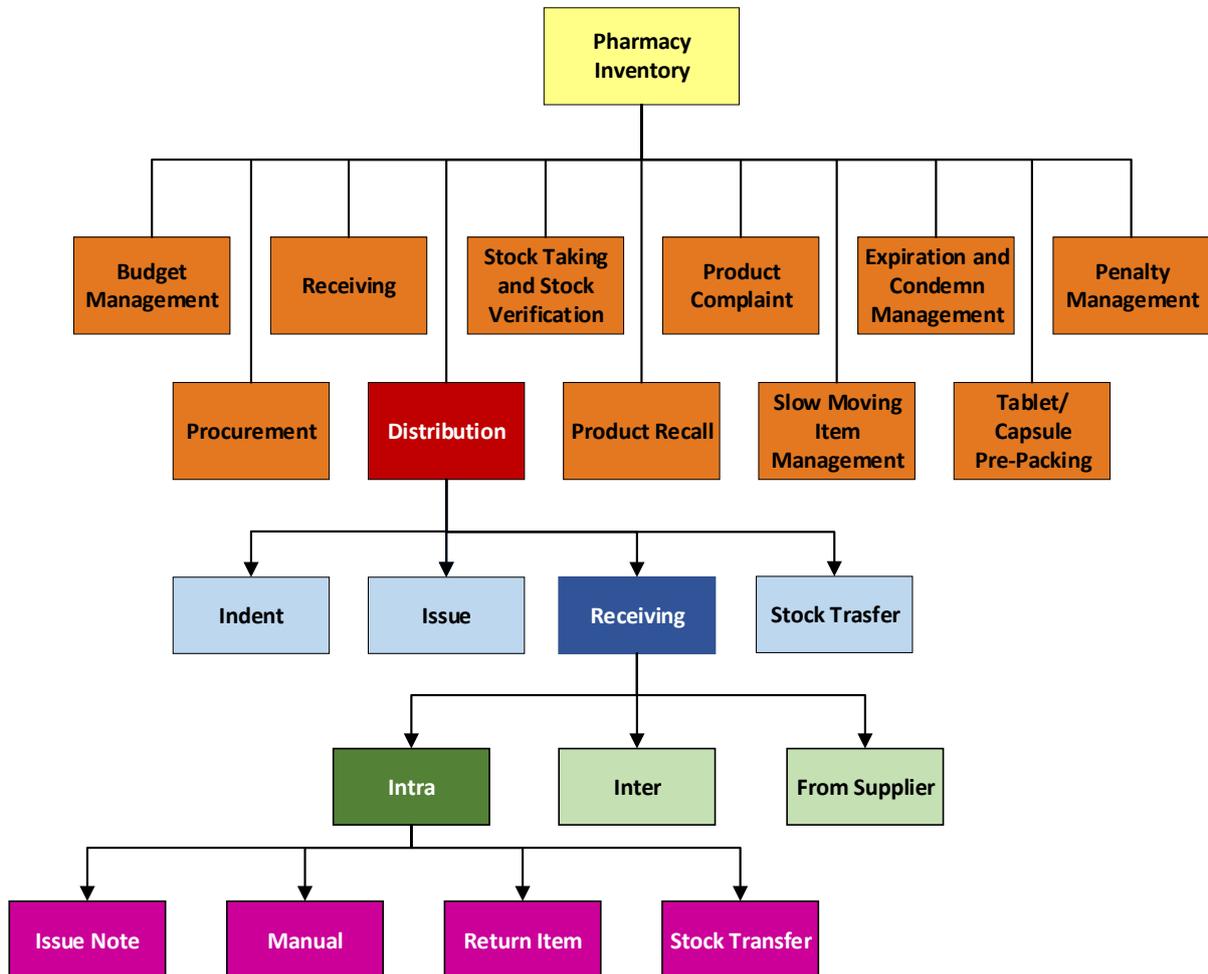
None

3.7.5 **Integration**

None

3.8 Receive Item – Intra Facility

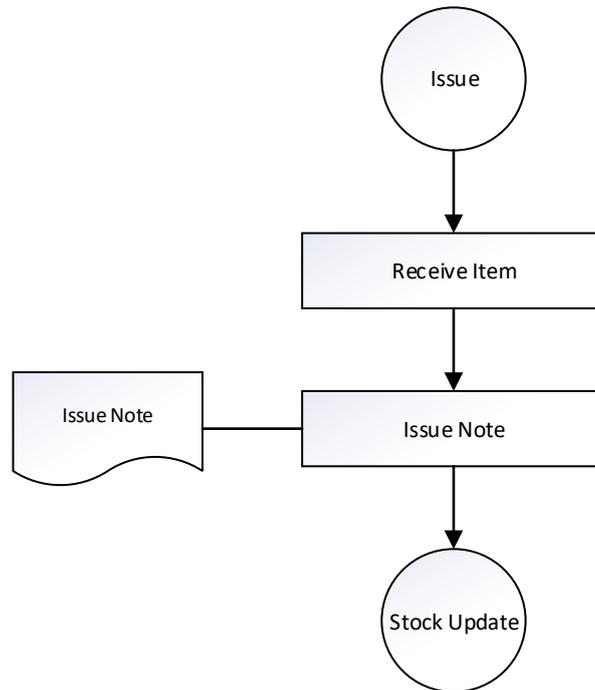
3.8.1 Overview



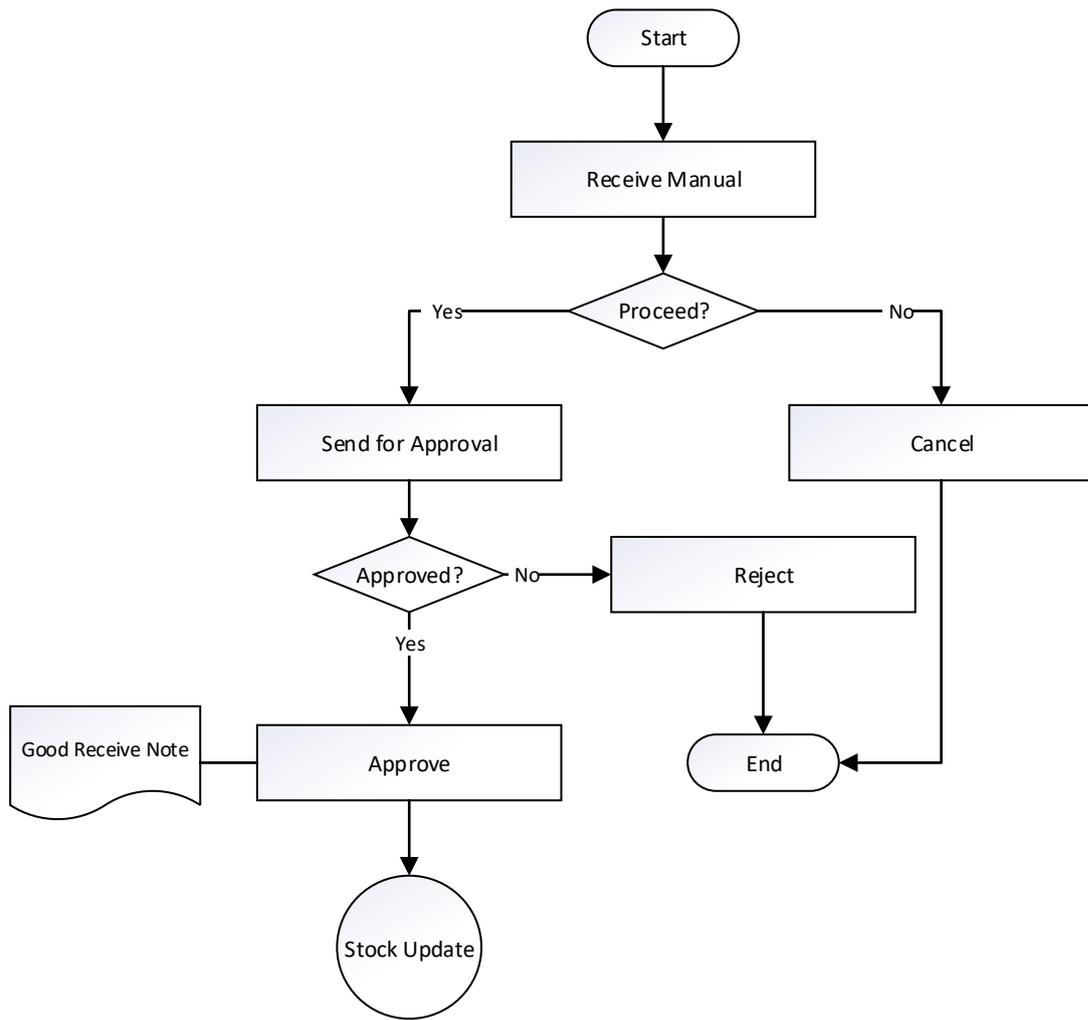
3.8.2 Purpose

The facility in general can receive items from internal and external facility that is or not connected to the PHIS system. All items received by the facility needs to enter into the inventory of the facility to ensure that the all stocks are tallied and updated with the latest information.

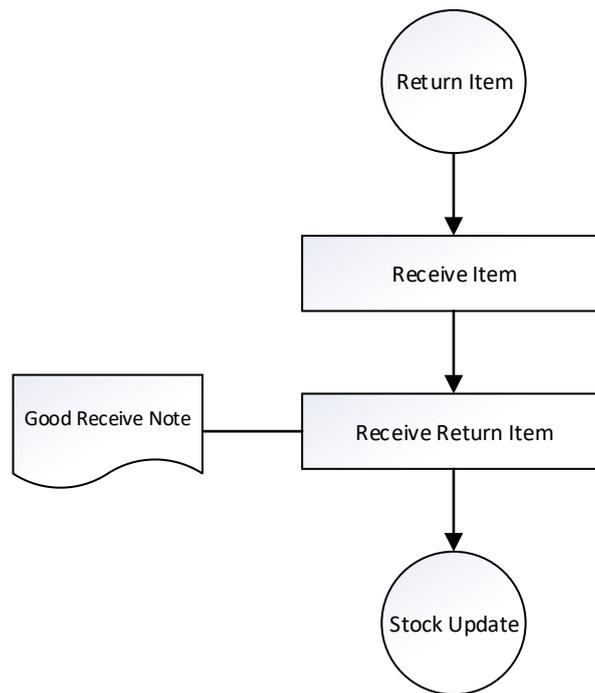
3.8.3 Screen Navigation Diagram



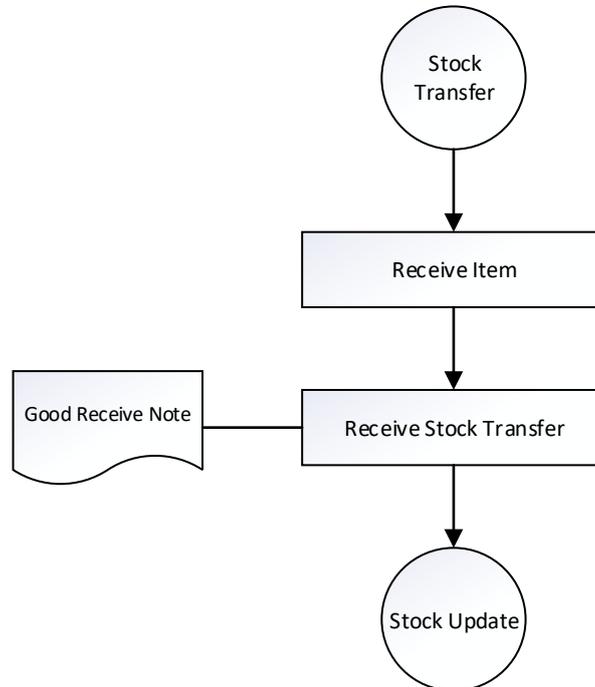
Screen Navigation: Receive Item (Intra) – Issue Note



Screen Navigation: Receive Item (Intra) - Manual



Screen Navigation: Receive Item (Intra) – Return Item

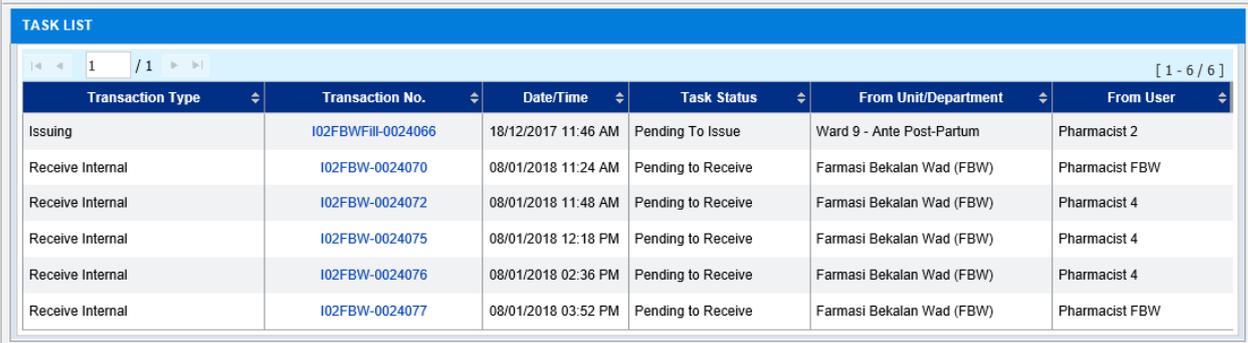
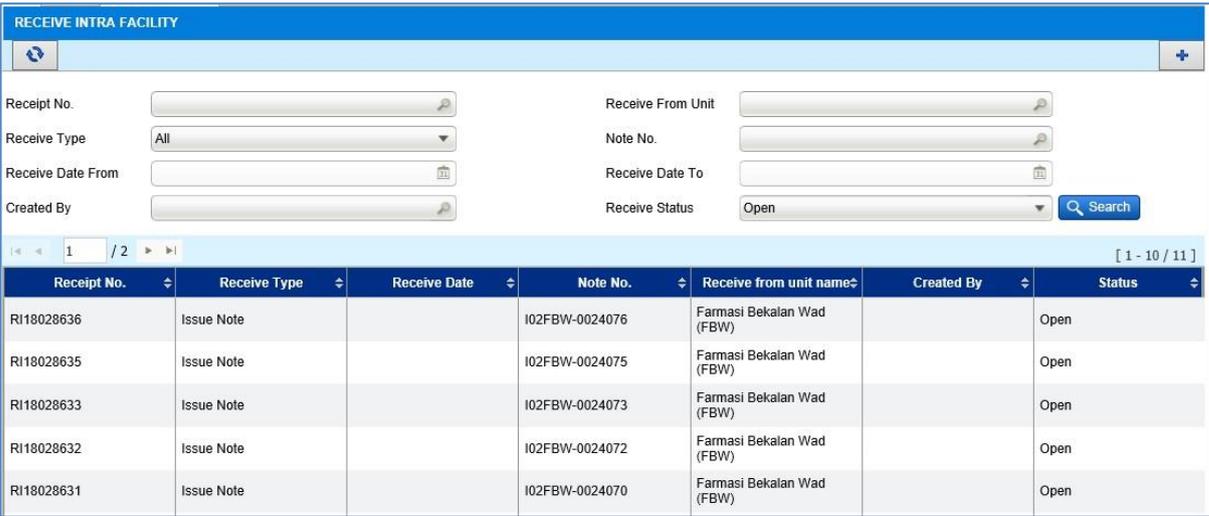


Screen Navigation: Receive Item (Intra) – Stock Transfer

3.8.4 Detail Functionality and Screen

3.8.4.1 Receive Intra Facility Listing

3.2.4.1.1 Screen Design

ID	RIF.SD1	
Description	Receive Listing screen	
Diagram	<p>i. Task List</p>  <p>ii. Receiving screen.</p> 	
Notes	<ul style="list-style-type: none"> User can access receiving screen from task list or from receive item list. Click on Add button to create new transaction Click on search button to search for the indent transaction Double click on transaction record to view the transaction 	
Cross References		

3.2.4.1.2 Application Business Rules

No.	Name	Description
1.	Receiving record	User can view pending receiving item from task list or receiving screen



No.	Name	Description
2.	Receive Issue Note	Receiving record for issue note will be created upon RIQ approval. User can proceed with receiving by double click on issue note record.
3.	Search Transaction	Click on the 'Search' button to search the existing record: i. If user enters multiple search criteria, system will display the search results based on the specified criteria ii. If no criteria entered, system will display all transactions System will display the records that match any keyword entered regardless of the letter type (uppercase or lowercase).
4.	Receiving Transaction	Double click on any record to view the record details. List will display the following information: i. Receipt No. ii. Receive Type iii. Receive Date iv. Note No. v. Receive from unit name vi. Created By vii. Status
5.	Create New Transaction	Click on the 'Create New Record (+)' button to create new transaction record.
6.	Refresh Listing	Click on the 'Refresh' button to reset all search criteria: i. Receipt No. – Display as empty field ii. Receive Type – All iii. Receive Date From iv. Created By – Display as empty field v. Receive From Unit vi. Note No. – Display as empty field vii. Receive Date To – Display as empty field viii. Receive Status – Open Search results will display all records based on above reset search criteria.

3.2.4.1.3 Input Validation Rules

No.	Name	Description	Mandatory	Format
1.	Receipt No	Field will display all receiving record created. User able to search based on receipt no. Compare entered value with receiving record.	No	Searching field
2.	Receive Type	Value refer to reference code, domain = 'RECEIVE_TYPE' Default to 'All' however user can select specific transaction type: <ul style="list-style-type: none"> • Issue Note • Manual • Return Item 	No	Drop down list



No.	Name	Description	Mandatory	Format
		<ul style="list-style-type: none"> Stock Transfer 		
3.	Receive Date From	User to select date from the calendar. Click on the calendar icon to display the calendar.	No	Calendar
4.	Created By	Field will display all user (active and inactive) as per in Maintenance > Security > User Profile screen. User able to search based on User First name and User Last name. Compare selected value with issue creator.	No	Searching field
5.	Receive From Unit	Field will display all requester unit list. User able to search based on requester unit name and code.	No	Searching field
6.	Note No.	Field will display all note record created. User able to search based on note no. Compare entered value with note record.	No	Searching field
7.	Receive Date To	User to select date from the calendar. Click on the calendar icon to display the calendar.	No	Calendar
8.	Receive Status	Value refer to reference code, domain = 'RECEIVE_INTERNAL_STATUS' Default to 'All' however user can select specific transaction type: <ul style="list-style-type: none"> Cancelled Close Open Pending for Approval Rejected 	No	Drop down list



3.8.4.2 Receive Item – Issue Note

3.2.4.2.1 Screen Design

ID	RIF.SD2
Description	Receive Item (Intra) for Issue Note
Diagram	
Notes	Save record to complete the receiving process
Cross References	

3.2.4.2.2 Application Business Rules

No.	Name	Description
1.	Item details	<p>List will display the following information:</p> <ul style="list-style-type: none"> • Item Code • Item Description • Batch No. • Expiry Date • Indent Quantity in SKU • Conversion Factor • Packaging Description • Indent Quantity in PKU • Receive Quantity in SKU • Receive Quantity in PKU



No.	Name	Description
		<ul style="list-style-type: none"> • Pending Quantity In SKU • Pending Quantity In PKU • Average Unit Price(RM) • Total Amount(RM)
2.	Pending Item	<p>List of items that still pending approval/issuing. List will display the following information:</p> <ul style="list-style-type: none"> • Drug/Non Drug Description • Drug/Non Drug Code • Conversion Factor • Indent Quantity in SKU • Supply Quantity (SKU) • Pending Quantity (SKU)
3.	Click on save	<p>Once click on save button status will be updated:</p> <ul style="list-style-type: none"> • Status = 'Close' • Receiving Flag = 'Yes' • Stock will be updated for receiving unit • KEW.PS-10 (for Main store) & KEW.PS-11 (for Sub-store) button will be displayed. • 'Pending to Receive' record will be remove task list • Created by will be updated with user name • Receive date updated to save date

3.2.4.2.3 Input Validation Rules

No.	Name	Description	Mandatory	Format
1.	Receipt No.	Display Receipt No	No	Read-only
2.	Receive Type	Display receive type. For issue note, type will display as 'Issue Note'	No	Read-only
3.	Receiving Unit	Display receiving unit	No	Read-only
4.	Note Type	Display receive type. For issue note, type will display as 'Issue Note'	No	Read-only
5.	Receive From Unit Name	Display supplying unit name	No	Read-only
6.	Item Group	Display item group	No	Read-only
7.	Amount	Display amount of item receive	No	Read-only
8.	Remarks	Display remarks from issuer	No	Read-only
9.	Goods Receive Date	Default to created date	No	Read-only
10.	Issue Note No.	Display issue note no	No	Read-only



No.	Name	Description	Mandatory	Format
11.	Created By	User who created/saved the record. Displayed based on user's first name and last name from Maintenance>Security>User Profile.	No	Read-only
12.	Indent No.	Display indent by	No	Read-only
13.	Status	Display receiving status	No	Read-only
14.	Item Sub Class	Not applicable	No	Read-only
15.	Reject Reason	Not applicable	No	Read-only
16.	UOM	Display UOM (Issue by SKU or PKU)	No	Read-only

3.8.4.1 Receive Item – Manual

3.2.4.1.1 Screen Design

ID	RIF.SD3
Description	Receive Item (Intra) for Manual
Diagram	
i. Receive item - Manual	
ii. Add Item	



ADD ITEM

Item Description:

Brand:

Expiry Date:

Quantity Available (SKU):

Item Code:

Batch No.:

Receive Quantity (SKU):

SKU:

iii. Item Details

ITEM DETAILS

1 / 1

Delete	Item Code	Item Description	Batch No.	Expiry Date	Indent Quantity In SKU	Conversion Factor	Packaging Description	Indent Quantity in PKU	Receive Quantity in SKU	Receive Quantity in PKU	Average Unit Price(RM)	Total Amount (RM)
<input type="checkbox"/>	12.2212.02	Disposable Blood Lancet (Sterile)	CAB12344	01/12/2019	0 (pc)	100	pack of 100 pieces	0.00 (pck)	100 (pc)	1.00 (pck)	0.2281	22.81

iv. Send for Approval

INTRA FACILITY

Send for Approval | Cancel Request

INTRA FACILITY RECEIVE ITEMS

Receipt No.: RI18041281 | Goods Receive Date: 29/03/2018

Receive Type: Manual | Manual Reference No.: ADE1231

Receiving Unit: Farmasi Bekalan Wad (FBW) | Created By: Pharmacist IP

Note Type: Manual | Status: Open

Receive From Unit Name: Farmasi Bekalan Wad - Rx Filling | Item Sub Class:

Item Group: NON-DRUG | Reject Reason:

Amount: 22.81 | UOM: SKU PKU

Remarks: test

ITEM DETAILS

1 / 1

Delete	Item Code	Item Description	Batch No.	Expiry Date	Indent Quantity In SKU	Conversion Factor	Packaging Description	Indent Quantity in PKU	Receive Quantity in SKU	Receive Quantity in PKU	Average Unit Price(RM)	Total Amount (RM)
<input type="checkbox"/>	12.2212.02	Disposable Blood Lancet (Sterile)	CAB12344	01/12/2019	0 (pc)	100	pack of 100 pieces	0.00 (pck)	100 (pc)	1.00 (pck)	0.2281	22.81

v. Approval



INTRA FACILITY

Approve
Reject
Print
Close

INTRA FACILITY RECEIVE ITEMS

Receipt No. RI18041281	Goods Receive Date 29/03/2018
Receive Type Manual	Manual Reference No. ADE1231
Receiving Unit Farmasi Bekalan Wad (FBW)	Created By Pharmacist IP
Note Type Manual	Status Pending for Approval
Receive From Unit Name Farmasi Bekalan Wad - Rx Filling	Item Sub Class
Item Group NON-DRUG	Reject Reason
Amount 22.81	UOM <input checked="" type="radio"/> SKU <input type="radio"/> PKU
Remarks test	

ITEM DETAILS

Item Code	Item Description	Batch No.	Expiry Date	Indent Quantity In SKU	Conversion Factor	Packaging Description	Indent Quantity in PKU	Receive Quantity in SKU	Receive Quantity in PKU	Average Unit Price (RM)	Total Amount(RM)
12.2212.02	Disposable Blood Lancet (Sterile)	CAB12344	01/12/2019	0 (pc)	100	pack of 100 pieces	0.00 (pck)	100 (pc)	1.00 (pck)	0.2281	22.81

Notes	<ul style="list-style-type: none"> Add/Delete Item if necessary Save record and Send for Approval (for user without approval role)
Cross References	

3.2.4.1.2 Application Business Rules

No.	Name	Description
1.	New receiving record	Create new record: <ol style="list-style-type: none"> User to fill in all required details Record status displayed as 'Open' by default
2.	Add item	Click on Add item button to add item to the list. <ol style="list-style-type: none"> Item will be displayed based on receiver unit catalogue. List will be filtered by Item Class/Item Sub-Class based on value selected before user click on Add Item
3.	Item Details list	Added item will be displayed in the list as below: <ol style="list-style-type: none"> Item Code Item Description Batch No. Expiry Date Indent Quantity In SKU Conversion Factor Packaging Description Indent Quantity in PKU Receive Quantity in SKU Receive Quantity in PKU Average Unit Price(RM) Total Amount(RM)
4.	Save new record	On click of 'Save' button: <ol style="list-style-type: none"> Status remain as Open UOM selection will be disabled

No.	Name	Description
		iv. 'Send for Approval' and 'Cancel' button will be displayed. Receiving record will be displayed in receiving list.
5.	Receipt No	This field will automatically be assigned with a system generated allocation no when user saves the transaction.
6.	Cancel	On click of 'Cancel' button: i. Status updated to 'Cancelled' ii. All fields and buttons will be disabled
7.	Send for Approval	On click of 'Send for Approval' button: i. Status updated to 'Pending for Approval' ii. Approve button will be displayed for user with approval role. *Pending approval record not display in the task list.
8.	Reject button	i. User must enter reject reason before can reject the transaction. ii. Once click of Reject button, status updated to 'Rejected'
9.	Approve button	On click of 'Approve' button: i. Status updated to 'Close' ii. Stock will be updated for receiving unit iii. 'Good Receive Note' button will be displayed *Approval button only will be displayed for user with approval roles
10.	Good Receive Note	Refer to Good Receive Note

3.2.4.1.3 Input Validation Rules

No.	Name	Description	Mandatory	Format
1.	Receiving Type	Value refer to reference code, domain = 'RECEIVE_TYPE' Default to 'Drug' however user can select specific value: <ul style="list-style-type: none"> • Issue Note • Manual • Return Item • Stock Transfer 		
2.	Receiving Unit	Default to user unit from Maintenance>Security>User Profile.	No	Read-only
3.	Note Type	Default to 'Manual'	No	Read-only
4.	Receive from Unit Name	Field will display all requester unit list. User able to search based on requester unit name and code.	Yes	Drop down list
5.	Item Group	Value refer to reference code, domain = 'ITEM_GROUP' Default to 'Drug' however user can select specific value: <ul style="list-style-type: none"> • Drug • Non-Drug 	Yes	Drop down list
6.	Total Amount (RM)	Total amount of item selected in item list	No	Read-only



No.	Name	Description	Mandatory	Format
7.	Remarks	User to enter free text value with maximum 100 characters.	No	Text field
8.	Good Receive Date	Default to current Date		
9.	Manual Indent Reference No.	User to enter free text value with maximum 25 characters.	No	Text field
10.	Created By	User who created/saved the record. Displayed based on user's first name and last name from Maintenance>Security>User Profile.	Yes	Read-only
11.	Status	For new record default status to 'Open'	No	Read-only
12.	Item Sub Class	Item Sub Class will be displayed based on item group selected. Default to <blank>	No	Drop down list
13.	Reject Reason	User to enter free text value with maximum 500 characters. Mandatory if user want to reject the record.	Yes	Text field
14.	UOM	Radio button with selection of SKU or PKU. Default selection to SKU.	No	Radio button
Add Item				
15.	Item Description	Item will be displayed based on receiver unit catalogue. User able to search buy item code and description.	Yes	Drop down list
16.	Brand	To display list of brands for selected item. Default to <blank>	Yes	Drop down list
17.	Expiry Date	Item expiry date to be selected from calendar. No validation required for expiry date. (User is allowed to accept expired item for stock return/condemn)	Yes	Calendar
18.	Quantity Available (SKU)	Display 'Quantity Available' from the selected item	No	Read-only
19.	Item Code	Display selected item code	No	Read-only
20.	Batch No	User to enter free text value with maximum 20 characters.	Yes	Text field
21.	Receive Quantity (SKU)	User to enter receive quantity value with maximum 10 digit. No decimal allowed.	Yes	Text field
22.	SKU	Default to item SKU	No	Read-only



3.8.4.2 Receive Item – Return Item

3.2.4.2.1 Screen Design

ID	RIF.SD4
Description	Receive Item (Intra) for Return Item

Diagram

i. Receive item – Return Item

INTRA FACILITY

INTRA FACILITY RECEIVE ITEMS

Receipt No.

Goods Receive Date: 26/04/2018

Receive Type: Return Item

Return Note No.

Receiving Unit:

Created By: Pharmacist Store

Note Type:

Status: Open

Receive From Unit Name:

Item Group: DRUG

Return Reason:

Amount: 0.00

Reject Reason:

Remarks:

UOM: SKU PKU

ITEM DETAILS

Item Code	Item Description	Batch No.	Expiry Date	Indent Quantity In SKU	Conversion Factor	Packaging Description	Indent Quantity In PKU	Receive Quantity in SKU	Receive Quantity in PKU	Average Unit Price(RM)	Total Amount (RM)
No Records Found!											

ii. Receive Item

INTRA FACILITY

INTRA FACILITY RECEIVE ITEMS

Receipt No.

Goods Receive Date: 26/04/2018

Receive Type: Return Item

Return Note No. RT16000122

Receiving Unit: Farmasi Logistik

Created By: Pharmacist Store

Note Type: Return Item

Status: Open

Receive From Unit Name: Farmasi Bekalan Wad (FBW)

Item Group: DRUG

Return Reason: Other

Amount: 4,044.68

Reject Reason:

Remarks:

UOM: SKU PKU

ITEM DETAILS

Item Code	Item Description	Batch No.	Expiry Date	Indent Quantity In SKU	Conversion Factor	Packaging Description	Indent Quantity In PKU	Receive Quantity in SKU	Receive Quantity in PKU	Average Unit Price(RM)	Total Amount (RM)
J01DH02000P4002XX.02	Meropenem 1g Inj	617E040	30/11/2016	400 (vial)	10	Pack of 10 vial	40.00 (pck)	400 (vial)	40.00 (pck)	5.7620	2,304.80
03.2607.01	Nalbuphine HCl 10mg/ml Inj	132063T	30/11/2016	500 (amp)	1	ampoule	500.00 (amp)	500 (amp)	500.00 (amp)	3.4800	1,740.00

Notes	<ul style="list-style-type: none"> Save record to complete the receiving process
Cross References	



3.2.4.2.2 Application Business Rules

No.	Name	Description
1.	New receiving record	User can proceed with receiving from the task list or create new record manually. i. User to fill in all required details ii. Record status displayed as 'Open' by default
2.	Item Details list	Item will be displayed for selected 'Return Note No' as below: i. Item Code ii. Item Description iii. Batch No. iv. Expiry Date v. Indent Quantity In SKU vi. Conversion Factor vii. Packaging Description viii. Indent Quantity in PKU ix. Receive Quantity in SKU x. Receive Quantity in PKU xi. Average Unit Price(RM) xii. Total Amount(RM)
3.	Click on save	Once click on save button status will be updated: <ul style="list-style-type: none"> • Status = 'Close' • Receipt No will be generated • Stock will be updated for receiving unit • Good receive Note button will be displayed.
4.	Receipt No	This field will automatically be assigned with a system generated allocation no when user saves the transaction.
5.	Good Receive Note	Refer to Good Receive Note

3.2.4.2.3 Input Validation Rules

No.	Name	Description	Mandatory	Format
1.	Receiving Type	Value refer to reference code, domain = 'RECEIVE_TYPE' Default to 'Drug' however user can select specific value: <ul style="list-style-type: none"> • Issue Note • Manual • Return Item • Stock Transfer 	Yes	Drop down list
2.	Receiving Unit	List of requester unit same level with login user. For main store, all unit will be displayed.	Yes	Searching field
3.	Note Type	Default to 'blank'. Will be displayed as 'Return Item' once 'Return Note No' selected.	No	Read-only
4.	Receive from Unit Name	Value will be displayed based on selected 'Return Note No'	No	Text field



No.	Name	Description	Mandatory	Format
5.	Item Group	Value refer to reference code, domain = 'ITEM_GROUP' Default to 'Drug' however user can select specific value: <ul style="list-style-type: none"> • Drug • Non-Drug Value will be displayed based on selected 'Return Note No'	Yes	Drop down list
6.	Total Amount (RM)	Value will be displayed based on selected 'Return Note No'	No	Read-only
7.	Remarks	Remarks will be displayed from selected 'Return Note No'	No	Read-only
8.	Good Receive Date	Default to current Date	No	Read-only
9.	Return Note No.	List of return note pending for receiving by the requester unit.	Yes	Searching field
10.	Created By	User who created/saved the record. Displayed based on user's first name and last name from Maintenance>Security>User Profile.	Yes	Read-only
11.	Status	For new record default status to 'Open'	No	Read-only
12.	Item Sub Class	Not applicable	No	Drop down list
13.	Return reason	Reason will be displayed from selected 'Return Note No'	No	Read-only
14.	Reject Reason	Not applicable	No	Text field
15.	UOM	Default selection to SKU.	No	Radio button



3.8.4.3 Receive Item – Stock Transfer

3.2.4.3.1 Screen Design

ID	RIF.SD5
Description	Receive Item (Intra) for Stock Transfer

Diagram

i. Receive item – Stock Transfer

ii. Receive Item

Notes	<ul style="list-style-type: none"> Save record to complete the receiving process
Cross References	

3.2.4.3.2 Application Business Rules

No.	Name	Description
1.	New receiving record	User can proceed with receiving from the task list or create new record manually. i. User to fill in all required details ii. Record status displayed as 'Open' by default
2.	Item Details list	Added item will be displayed in the list as below: i. Item Code ii. Item Description iii. Batch No. iv. Expiry Date v. Indent Quantity In SKU vi. Conversion Factor vii. Packaging Description viii. Indent Quantity in PKU ix. Receive Quantity in SKU x. Receive Quantity in PKU xi. Average Unit Price(RM) xii. Total Amount(RM)
3.	Click on save	Once click on save button status will be updated: <ul style="list-style-type: none"> • Status = 'Close' • Receiving Flag updated to 'Yes' in stock transfer screen. • Stock will be updated for receiving unit • Good receive Note button will be displayed. • 'Pending to Receive' record will be remove task list
4.	Good Receive Note	Refer to Good Receive Note

3.2.4.3.3 Input Validation Rules

No.	Name	Description	Mandatory	Format
1.	Receiving Type	Value refer to reference code, domain = 'RECEIVE_TYPE' Default to 'Drug' however user can select specific value: <ul style="list-style-type: none"> • Issue Note • Manual • Return Item • Stock Transfer 	Yes	Drop down list
2.	Receiving Unit	List of requester unit same level with login user	Yes	Searching field
3.	Note Type	Default to 'blank'	No	Read-only
4.	Receive from Unit Name	Value will be displayed based on selected 'Transfer Note No'	No	Text field
5.	Item Group	Value refer to reference code, domain = 'ITEM_GROUP' Default to 'Drug' however user can select specific value:	Yes	Drop down list



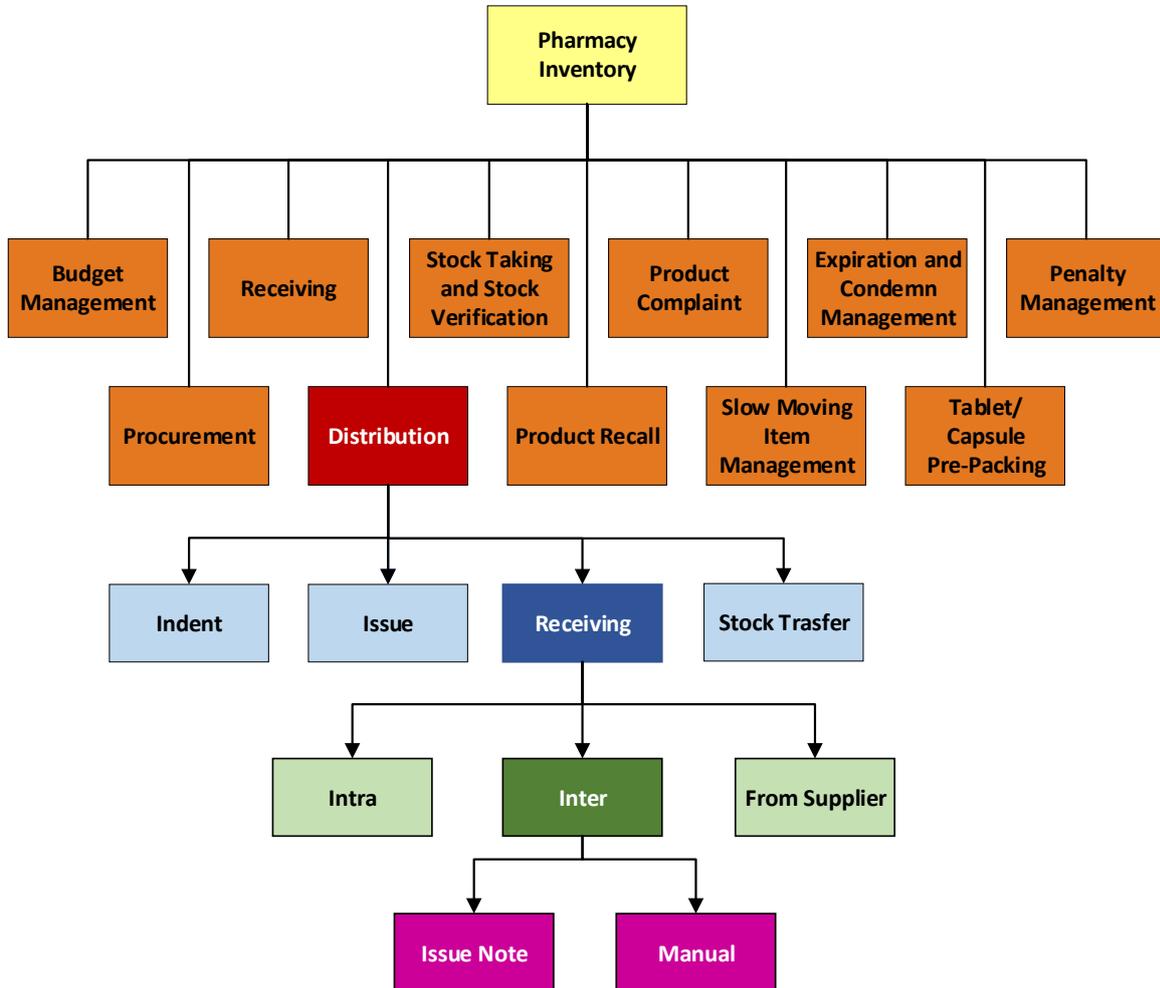
No.	Name	Description	Mandatory	Format
		<ul style="list-style-type: none">• Drug• Non-Drug Value will be displayed based on selected 'Transfer Note No'		
6.	Total Amount (RM)	Value will be displayed based on selected 'Transfer Note No'	No	Read-only
7.	Remarks	User to enter free text value with maximum 100 characters.	No	Text field
8.	Good Receive Date	Default to current Date	No	Read-only
9.	Transfer Note No.	List of Transfer note pending for receiving by the requester unit.	Yes	Searching field
10.	Created By	User who created/saved the record. Displayed based on user's first name and last name from Maintenance>Security>User Profile.	Yes	Read-only
11.	Status	For new record default status to 'Open'	No	Read-only
12.	Item Sub Class	Not applicable	No	Drop down list
13.	Reject Reason	Not applicable	No	Text field
14.	UOM	Default selection to SKU.	No	Radio button

3.8.5 Integration

None

3.9 Receive Item – Inter Facility

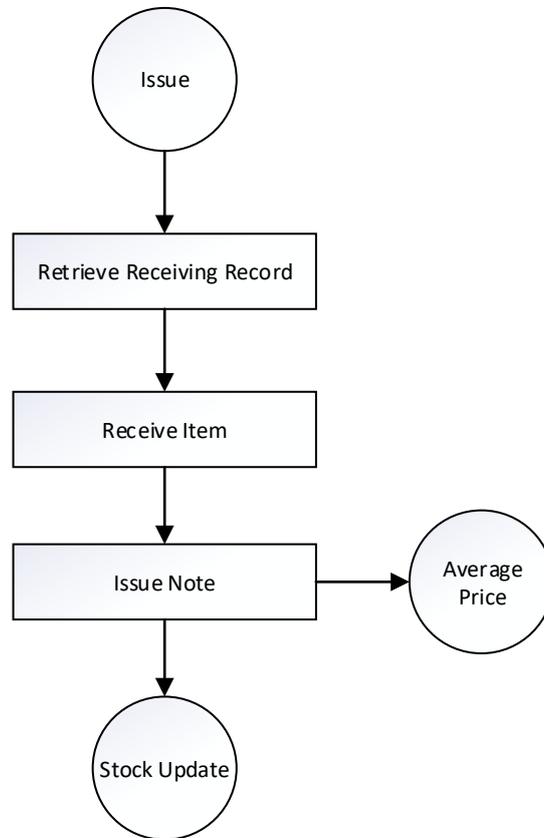
3.9.1 Overview



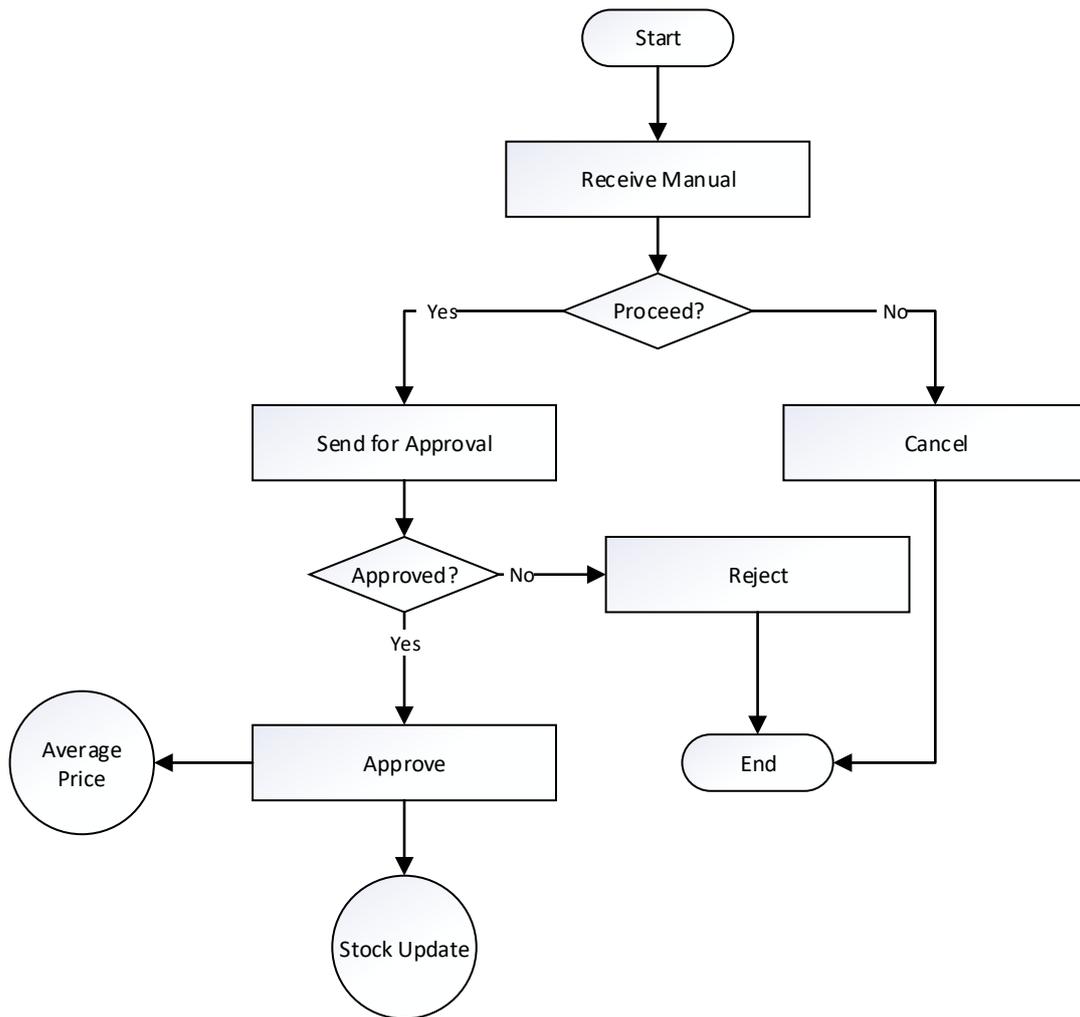
3.9.2 Purpose

The facility in general can receive items from internal and external facility that is or not connected to the PHIS system. All items received by the facility needs to enter into the inventory of the facility to ensure that the all stocks are tallied and updated with the latest information.

3.9.3 Screen Navigation Diagram



Screen Navigation: Receive Item (Inter) – Issue Note



Screen Navigation: Receive Item (Inter) – Manual



3.9.4 Detail Functionality and Screen

3.9.4.1 Receive Inter Facility Listing

3.2.4.1.1 Screen Design

ID	REF.SD1																																																																
Description	Receive Listing screen																																																																
Diagram																																																																	
i. External Notification																																																																	
ii. Receiving Listing.																																																																	
<table border="1"> <thead> <tr> <th>Receipt No.</th> <th>Receive Date</th> <th>Receive From</th> <th>Facility Name</th> <th>Issue Note No.</th> <th>Indent No.</th> <th>Created By</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>P150001406</td> <td>27/07/2015</td> <td>MOH Facility</td> <td>Pejabat Kesihatan Daerah Rompin</td> <td>-</td> <td>-</td> <td></td> <td>Approved</td> </tr> <tr> <td>P180000506</td> <td>07/03/2018</td> <td>MOH Facility</td> <td>Pejabat Kesihatan Daerah Kulim</td> <td>-</td> <td>-</td> <td></td> <td>Approved</td> </tr> <tr> <td>P180000331</td> <td>28/02/2018</td> <td>MOH Facility</td> <td>Pejabat Kesihatan Daerah Kulim</td> <td>-</td> <td>-</td> <td></td> <td>Approved</td> </tr> <tr> <td>P160003110</td> <td>05/04/2016</td> <td>MOH Facility</td> <td>Pejabat Kesihatan Daerah Kulim</td> <td>-</td> <td>-</td> <td></td> <td>Approved</td> </tr> <tr> <td>P150002589</td> <td>31/12/2015</td> <td>MOH Facility</td> <td>Pejabat Kesihatan Daerah Kulim</td> <td>-</td> <td>-</td> <td></td> <td>Approved</td> </tr> <tr> <td>P150002578</td> <td>30/12/2015</td> <td>MOH Facility</td> <td>Pejabat Kesihatan Daerah Kulim</td> <td>-</td> <td>-</td> <td></td> <td>Approved</td> </tr> <tr> <td>P150001230</td> <td>28/06/2015</td> <td>MOH Facility</td> <td>Pejabat Kesihatan Daerah Kulim</td> <td>-</td> <td>-</td> <td></td> <td>Approved</td> </tr> </tbody> </table>		Receipt No.	Receive Date	Receive From	Facility Name	Issue Note No.	Indent No.	Created By	Status	P150001406	27/07/2015	MOH Facility	Pejabat Kesihatan Daerah Rompin	-	-		Approved	P180000506	07/03/2018	MOH Facility	Pejabat Kesihatan Daerah Kulim	-	-		Approved	P180000331	28/02/2018	MOH Facility	Pejabat Kesihatan Daerah Kulim	-	-		Approved	P160003110	05/04/2016	MOH Facility	Pejabat Kesihatan Daerah Kulim	-	-		Approved	P150002589	31/12/2015	MOH Facility	Pejabat Kesihatan Daerah Kulim	-	-		Approved	P150002578	30/12/2015	MOH Facility	Pejabat Kesihatan Daerah Kulim	-	-		Approved	P150001230	28/06/2015	MOH Facility	Pejabat Kesihatan Daerah Kulim	-	-		Approved
Receipt No.	Receive Date	Receive From	Facility Name	Issue Note No.	Indent No.	Created By	Status																																																										
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P180000506	07/03/2018	MOH Facility	Pejabat Kesihatan Daerah Kulim	-	-		Approved																																																										
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P150001230	28/06/2015	MOH Facility	Pejabat Kesihatan Daerah Kulim	-	-		Approved																																																										
iii. Retrieve Receiving record																																																																	
<table border="1"> <thead> <tr> <th>Facility Name</th> <th>External Indent No.</th> <th>External Indent Date</th> <th>No. of Items</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> Hospital Miri</td> <td>R18001859</td> <td>06/04/2018 11:47:18 AM</td> <td>1</td> </tr> <tr> <td><input type="checkbox"/> Hospital Miri</td> <td>R18001860</td> <td>06/04/2018 11:46:14 AM</td> <td>2</td> </tr> <tr> <td><input type="checkbox"/> Klinik Kesihatan Serdang</td> <td>R18024856</td> <td>09/01/2018 02:07:17 PM</td> <td>1</td> </tr> </tbody> </table>		Facility Name	External Indent No.	External Indent Date	No. of Items	<input type="checkbox"/> Hospital Miri	R18001859	06/04/2018 11:47:18 AM	1	<input type="checkbox"/> Hospital Miri	R18001860	06/04/2018 11:46:14 AM	2	<input type="checkbox"/> Klinik Kesihatan Serdang	R18024856	09/01/2018 02:07:17 PM	1																																																
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Notes	<ul style="list-style-type: none"> User can view new record receive from the external notification. Data has to be retrieved before can proceed with receiving. Click on Add button to create new transaction Click on search button to search for the indent transaction 																																																																



	<ul style="list-style-type: none"> • Double click on transaction record to view the transaction
Cross References	

3.2.4.1.2 Application Business Rules

No.	Name	Description
1.	Receiving record	User can view new record receive from the external notification. Data has to be retrieved before can proceed with receiving.
2.	Receive Issue Note	Receiving record for online issue will be sent upon RIQ approved by issuer facility. User can proceed with receiving by double click on issue record.
3.	Search Transaction	Click on the 'Search' button to search the existing record: <ol style="list-style-type: none"> If user enters multiple search criteria, system will display the search results based on the specified criteria If no criteria entered, system will display all transactions System will display the records that match any keyword entered regardless of the letter type (uppercase or lowercase).
4.	Receiving Transaction	Double click on any record to view the record details. List will display the following information: <ol style="list-style-type: none"> Receipt No. Receive Date Receive From Facility Name Issue Note No. Indent No Created By Status
5.	Create New Transaction	Click on the 'Create New Record (+)' button to create new transaction record.
6.	Refresh Listing	Click on the 'Refresh' button to reset all search criteria: <ol style="list-style-type: none"> Receive From – All Receive Date From – Display as empty field Facility Name – Display as empty field Indent No – Display as empty field Receive No – Display as empty field Receive Date To – Display as empty field External issue no – Display as empty field Receive Status – Open Search results will display all records based on above reset search criteria.



3.2.4.1.3 Input Validation Rules

No.	Name	Description	Mandatory	Format
1.	Receipt From	Value refer to reference code, domain = 'RECEIVE_FORM' Default to 'All' however user can select specific transaction type: <ul style="list-style-type: none">• MOH Facility• Non MOH Public Facility	No	Drop down list
2.	Receive Date From	User to select date from the calendar. Click on the calendar icon to display the calendar.	No	Calendar
3.	Facility Name	List of facility from external facility list.	No	Searching field
4.	Indent No	List of facility indent number received.	No	Searching field
5.	Receive No	List of receive no for receiving record created.	No	Searching field
6.	Receive Date To	User to select date from the calendar. Click on the calendar icon to display the calendar.	No	Calendar
7.	External Issue No		No	Searching field
8.	Receive Status	Value refer to reference code, domain = 'RECEIVE_SUPPLIER_STATUS' Default to 'All' however user can select specific transaction type: <ul style="list-style-type: none">• Approved• Cancelled• Close• Pending for Approval• Rejected	No	Drop down list



3.9.4.2 Receive Item – Issue Note

3.2.4.2.1 Screen Design

ID	REF.SD2
Description	Receive Item (Intra) for Issue Note

Diagram

i. Receive Inter

ii. Receive – Issue Note

No.	Drug / Non-Drug Code	Drug / Non-Drug Description	Order Quantity in SKU	Receive Quantity in SKU	Amount (RM)
1	C03CA01000T1001XX	Frusemide 40 mg Tablet	1,000	500	20.10
2	A10BB0900T1001XX	Gliclazide 80 mg Tablet	1,000	500	70.40

Notes	
Cross References	

3.2.4.2.2 Application Business Rules

No.	Name	Description
1.	Add new receiving	To add new receiving record, user can search for pending receive indent no from the list after indent record has been retrieved.
2.	Item details	List will display the following information: <ul style="list-style-type: none"> • Drug/Non-Drug Code • Drug/Non-Drug Description • Order Quantity in SKU • Receive Quantity in SKU • Amount(RM)
3.	Click on save	Once click on save button status will be updated: <ul style="list-style-type: none"> • Status update to 'Approved' • Stock will be updated for receiving unit • To recalculate item average price • KEW.PS-10 (for Main store) & KEW.PS-11 (for Sub-store) button will be displayed. • Record will be displayed in the receiving list.

3.2.4.2.3 Input Validation Rules

No.	Name	Description	Mandatory	Format
1.	Receive No.	Receive No will be generated upon save the receiving record.	No	Read-only
2.	Receive From	Value refer to reference code, domain = 'RECEIVE_FORM' Default to 'All' however user can select specific transaction type: <ul style="list-style-type: none"> • MOH Facility • Non MOH Public Facility 	Yes	Drop down list
3.	Facility Name	List of facility from external facility list.	Yes	Searching field
4.	Receive Item Against	If user choose Receive From = MOH Facility Value refer to reference code, domain = 'MOH_RECEIVE_AGAINST' Default to 'Drug' however user can select specific value: <ul style="list-style-type: none"> • Issue Note • Manual If user choose Receive From = Non MOH Public Facility Value refer to reference code, domain = 'OTHER_MOH_RECEIVE_AGAINST' Default to 'Drug' however user can select specific value:	Yes	Drop down list



No.	Name	Description	Mandatory	Format
		<ul style="list-style-type: none"> Manual 		
5.	Indent No	Indent No pending to receive. Value will be filtered based on facility name selected.	Yes	Searching field
6.	Item Group	Display item group for the selected Indent No	No	Read-only
7.	Receipt Amount (RM)	Display amount of item receive for the selected indent no	No	Read-only
8.	Issue No	<p>Display Issue No for the selected Indent No. If no indent no selected, user can search for issue no pending to receive. Once selected below information will be populated:</p> <ul style="list-style-type: none"> Facility Name Facility Code Receive Item Against Indent No Item Group Indent Date Facility Note Date 	No	Searching field
9.	Created Date	Default to current date. User cannot change this value.	No	Text field
10.	Unit Name	Default to user unit from Maintenance>Security>User Profile.	No	Read-only
11.	Facility Code	Display facility code for the selected facility name	No	Read-only
12.	Issue Note Date	Display Issue Note creation date (retrieve date)	No	Text field
13.	Status	Default to 'Open'	No	Read-only
14.	Item Sub Class	Not applicable for issue note	No	Read-only
15.	Remarks	Not applicable for issue note	No	Read-only
16.	Reject reason	Not applicable for issue note	No	Read-only
17.	UOM	Display UOM (Issue by SKU or PKU)	No	Read-only



3.9.4.3 Receive Item – Manual

3.2.4.3.1 Screen Design

ID	REF.SD3
Description	Receive Item (Inter) for Manual

Diagram

i. Receive item - Manual

INTER FACILITY

INTER FACILITY INFORMATION

Received No. <input style="width: 100%;" type="text"/>	Created Date <input style="width: 100%;" type="text" value="06/04/2018"/>
Received From <input style="width: 100%;" type="text" value="MOH Facility"/>	Unit Name <input style="width: 100%;" type="text" value="Farmasi Logistik"/>
Facility Name <input style="width: 100%;" type="text" value="Hospital Pulau Pinang"/>	Facility Code <input style="width: 100%;" type="text" value="11-07050009"/>
Receive Item Against <input style="width: 100%;" type="text" value="Manual"/>	Issue Note Date <input style="width: 100%;" type="text"/>
Indent No. <input style="width: 100%;" type="text"/>	Status <input style="width: 100%;" type="text" value="Open"/>
Item Group <input style="width: 100%;" type="text" value="DRUG"/>	Item Sub Class <input style="width: 100%;" type="text"/>
Indent Date <input style="width: 100%;" type="text"/>	Remarks <input style="width: 100%;" type="text"/>
Receipt Amount (RM) <input style="width: 100%;" type="text" value="0"/>	Reject Reason <input style="width: 100%;" type="text"/>
Issue No. <input style="width: 100%;" type="text"/>	UOM <input type="radio"/> SKU <input checked="" type="radio"/> PKU

INTER FACILITY ITEM LIST

Item Code	Item Description	Packaging Description (PKU)	Order Quantity in SKU	Order Quantity in PKU	Receive Quantity in SKU	Brand	Batch No.	Expiry Date	Unit Price (RM)	Amount (RM)
No Record Found										

ii. Add Item

ADD ITEM

Item Description <input style="width: 100%;" type="text"/>	Item Code <input style="width: 100%;" type="text"/>
Packaging Description <input style="width: 100%;" type="text"/>	Expiry Date <input style="width: 100%;" type="text"/>
Brand Name <input style="width: 100%;" type="text"/>	Batch No. <input style="width: 100%;" type="text"/>
Quantity Available in SKU <input style="width: 100%;" type="text" value="0"/>	Receiving Quantity (PKU) <input style="width: 100%;" type="text" value="0"/>
Unit Price <input style="width: 100%;" type="text" value="0.0000"/>	Order Quantity <input style="width: 100%;" type="text"/>
Amount <input style="width: 100%;" type="text" value="0.00"/>	Conversion Factor <input style="width: 100%;" type="text"/>
SKU <input style="width: 100%;" type="text"/>	

iii. Item Details

INTER FACILITY ITEM LIST

Item Code	Item Description	Packaging Description (PKU)	Order Quantity in SKU	Order Quantity in PKU	Receive Quantity in SKU	Brand	Batch No.	Expiry Date	Unit Price (RM)	Amount (RM)
<input type="checkbox"/> J05AB0100 0T1002XX.0 3	Acyclovir 800 mg Tablet	pack of 36 tablet	216 (tablet)	6 (pack)	200	VIRUCID	ACD1234	24/08/2019	0.0156	112.10



iv. Send for Approval

INTER FACILITY

Send for Approval Cancel Request

INTER FACILITY INFORMATION

Received No.	P180000615	Created Date	06/04/2018
Received From	MOH Facility	Unit Name	Farmasi Logistik
Facility Name	Hospital Pulau Pinang	Facility Code	11-07050009
Receive Item Against	Manual	Issue Note Date	
Indent No.		Status	Open
Item Group	DRUG	Item Sub Class	
Indent Date		Remarks	
Receipt Amount (RM)	112.1	Reject Reason	
Issue No.		UOM	<input checked="" type="radio"/> SKU <input type="radio"/> PKU

INTER FACILITY ITEM LIST

Delete Item Add Item

[1 - 1 / 1]

Item Code	Item Description	Packaging Description (PKU)	Order Quantity in SKU	Order Quantity in PKU	Receive Quantity in SKU	Brand	Batch No.	Expiry Date	Unit Price (RM)	Amount (RM)
J05AB0100 0T1002XX.0 3	Acyclovir 800 mg Tablet	pack of 36 tablet	216 (tablet)	6 (pack)	200	VIRUCID	ACD1234	24/08/2019	0.0156	112.1

v. Approval

INTER FACILITY

Approve Reject

INTER FACILITY INFORMATION

Received No.	P180000615	Created Date	06/04/2018
Received From	MOH Facility	Unit Name	Farmasi Logistik
Facility Name	Hospital Pulau Pinang	Facility Code	11-07050009
Receive Item Against	Manual	Issue Note Date	
Indent No.		Status	Pending for Approval
Item Group	DRUG	Item Sub Class	
Indent Date		Remarks	
Receipt Amount (RM)	112.1	Reject Reason	
Issue No.		UOM	<input checked="" type="radio"/> SKU <input type="radio"/> PKU

INTER FACILITY ITEM LIST

[1 - 1 / 1]

Item Code	Item Description	Packaging Description (PKU)	Order Quantity in SKU	Order Quantity in PKU	Receive Quantity in SKU	Brand	Batch No.	Expiry Date	Unit Price (RM)	Amount (RM)
J05AB0100 0T1002XX.0 3	Acyclovir 800 mg Tablet	pack of 36 tablet	216 (tablet)	6 (pack)	200	VIRUCID	ACD1234	24/08/2019	0.0156	112.10

Notes

- Add/Delete Item if necessary
- Save record and Send for Approval (for user without approval role)

Cross References



3.2.4.3.2 Application Business Rules

No.	Name	Description
1.	New receiving record	Create new record: i. User to fill in all required details ii. Record status displayed as 'Open' by default
2.	Add item	Click on Add item button to add item to the list. i. Item will be displayed based on receiver unit catalogue. ii. List will be filtered by Item Class/Item Sub-Class based on value selected before user click on Add Item
3.	Item Details list	Added item will be displayed in the list as below: i. Item Code ii. Item Description iii. Order Quantity In SKU iv. Order Quantity in PKU v. Receive Quantity in SKU vi. Brand vii. Batch No viii. Expiry Date ix. Unit Price(RM) x. Total Amount(RM)
4.	Save new record	On click of 'Save' button: i. Status remain as Open ii. UOM selection will be disabled iii. 'Send for Approval' and 'Cancel' button will be displayed. Receiving record will be displayed in receiving list with status open.
5.	Receipt No	This field will automatically be assigned with a system generated allocation no when user saves the transaction.
6.	Cancel	On click of 'Cancel' button: i. Status updated to 'Cancelled' ii. All fields and buttons will be disabled
7.	Send for Approval	On click of 'Send for Approval' button: i. Status updated to 'Pending for Approval' ii. Approve button will be displayed for user with approval role. iii. Pending approval record will be displayed in the task list with transaction_type= Manual_Receive and Status='Pending for Approval'
8.	Reject button	i. User must enter reject reason before can reject the transaction. ii. Once click of Reject button, status updated to 'Rejected' iii. Remove pending approval record from task list.
9.	Approve button	On click of 'Approve' button: i. Status updated to 'Close' ii. Stock will be updated for receiving unit iii. To recalculate item average price *Approval button only will be displayed for user with approval roles



3.2.4.3.3 Input Validation Rules

No.	Name	Description	Mandatory	Format
1.	Receive No.	Receive No will be generated upon save the receiving record.	No	Read-only
2.	Receive From	Value refer to reference code, domain = 'RECEIVE_FORM' Default to 'All' however user can select specific transaction type: <ul style="list-style-type: none"> • MOH Facility • Non MOH Public Facility 	Yes	Drop down list
3.	Facility Name	List of facility from external facility list.	Yes	Searching field
4.	Receive Item Against	If user choose Receive From = MOH Facility Value refer to reference code, domain = 'MOH_RECEIVE_AGAINST' Default to 'Drug' however user can select specific value: <ul style="list-style-type: none"> • Issue Note • Manual If user choose Receive From = Non MOH Public Facility Value refer to reference code, domain = 'OTHER_MOH_RECEIVE_AGAINST' Default to 'Drug' however user can select specific value: Manual	Yes	Drop down list
5.	Indent No	Not applicable for manual receive	No	Read-only
6.	Item Group	Value refer to reference code, domain = 'ITEM_GROUP' Default to 'Drug' however user can select specific value: <ul style="list-style-type: none"> • Drug • Non-Drug 	No	Read-only
7.	Receipt Amount (RM)	Display amount of item received	No	Read-only
8.	Issue No	Not applicable for manual receive	No	Searching field
9.	Created Date	Default to current date. User cannot change this value.	No	Text field
10.	Unit Name	Default to user unit from Maintenance>Security>User Profile.	No	Read-only
11.	Facility Code	Display facility code for the selected facility name	No	Read-only
12.	Issue Note Date	Not applicable for manual receive	No	Text field
13.	Status	Default to 'Open'	No	Read-only
14.	Item Sub Class	Item Sub Class will be displayed based on item group selected. Default to <blank>	No	Read-only
15.	Remarks	User to enter free text value with maximum 100	No	Text field



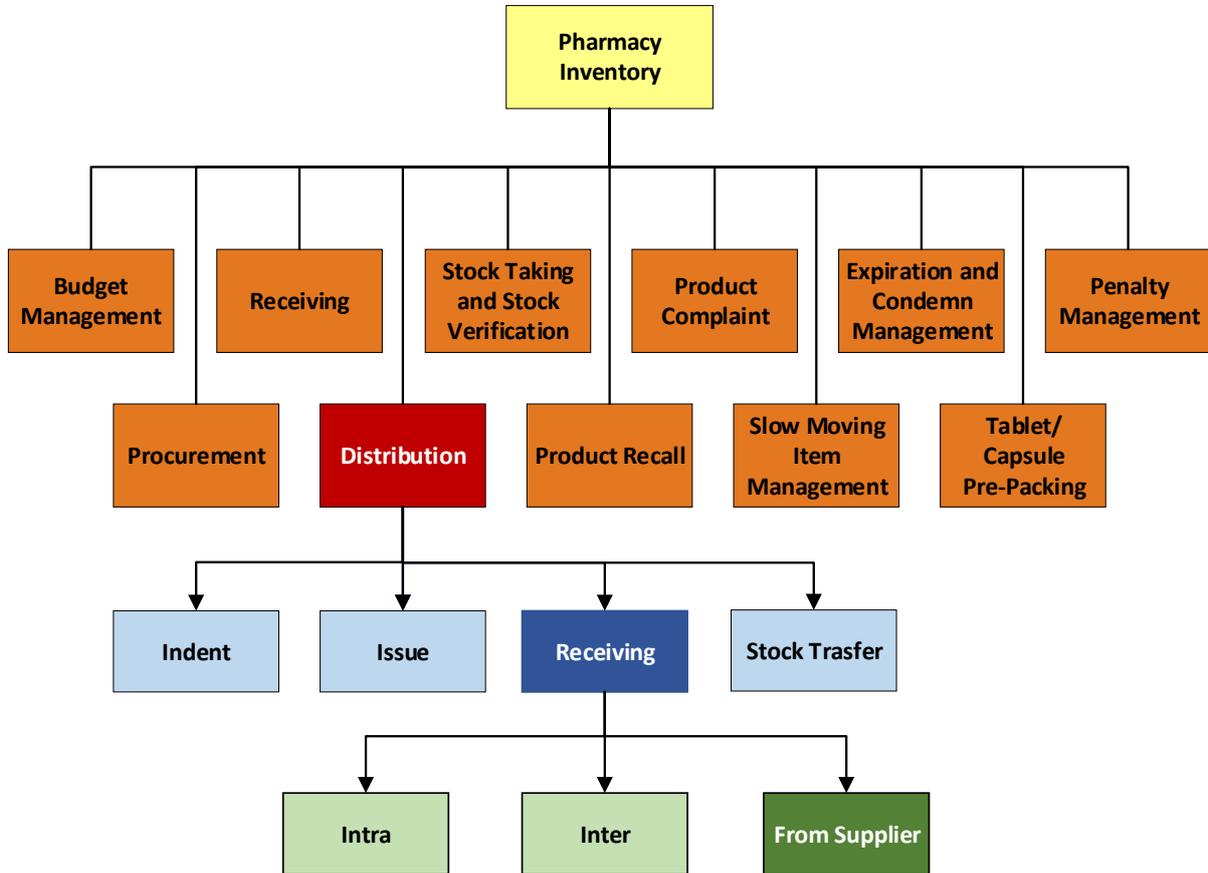
No.	Name	Description	Mandatory	Format
		characters.		
16.	Reject reason	User to enter free text value with maximum 500 characters. Mandatory if user want to reject the record.	No	Text field
Add Item				
17.	Item Description	Item will be displayed based on receiver unit catalogue. User able to search buy item code and description.	Yes	Drop down list
18.	Packaging Description	Display Packaging Description for selected item	No	Read-only
19.	Brand	To display list of brands for selected item. Default to <blank>	Yes	Drop down list
20.	Quantity Available (SKU)	Display 'Quantity Available' from the selected item	No	Read-only
21.	Unit Price	Default to item average price in SKU. User able to change this value.	Yes	Text field
22.	Amount	Quantity calculated based on price and receive quantity	No	Read-only
23.	SKU	Default to item SKU	No	Read-only
24.	Item Code	Display Item Code for the selected item	No	Read-only
25.	Expiry Date	Item expiry date to be selected from calendar. No validation required for expiry date. (User is allowed to accept expired item for stock return/condemn)	Yes	Calendar
26.	Batch No	User to enter free text value with maximum 20 characters.	Yes	Text field
27.	Receive Quantity	User to enter receive quantity value with maximum 10 digit. No decimal allowed. User must enter value based on UOM selected (SKU or PKU)	Yes	Text field
28.	Order Quantity	User to enter receive quantity value with maximum 10 digit. No decimal allowed.	Yes	Text field
29.	Conversion Factor	Display selected item conversion factor	No	Read-only

3.9.5 Integration

None

3.10 Receive From Supplier

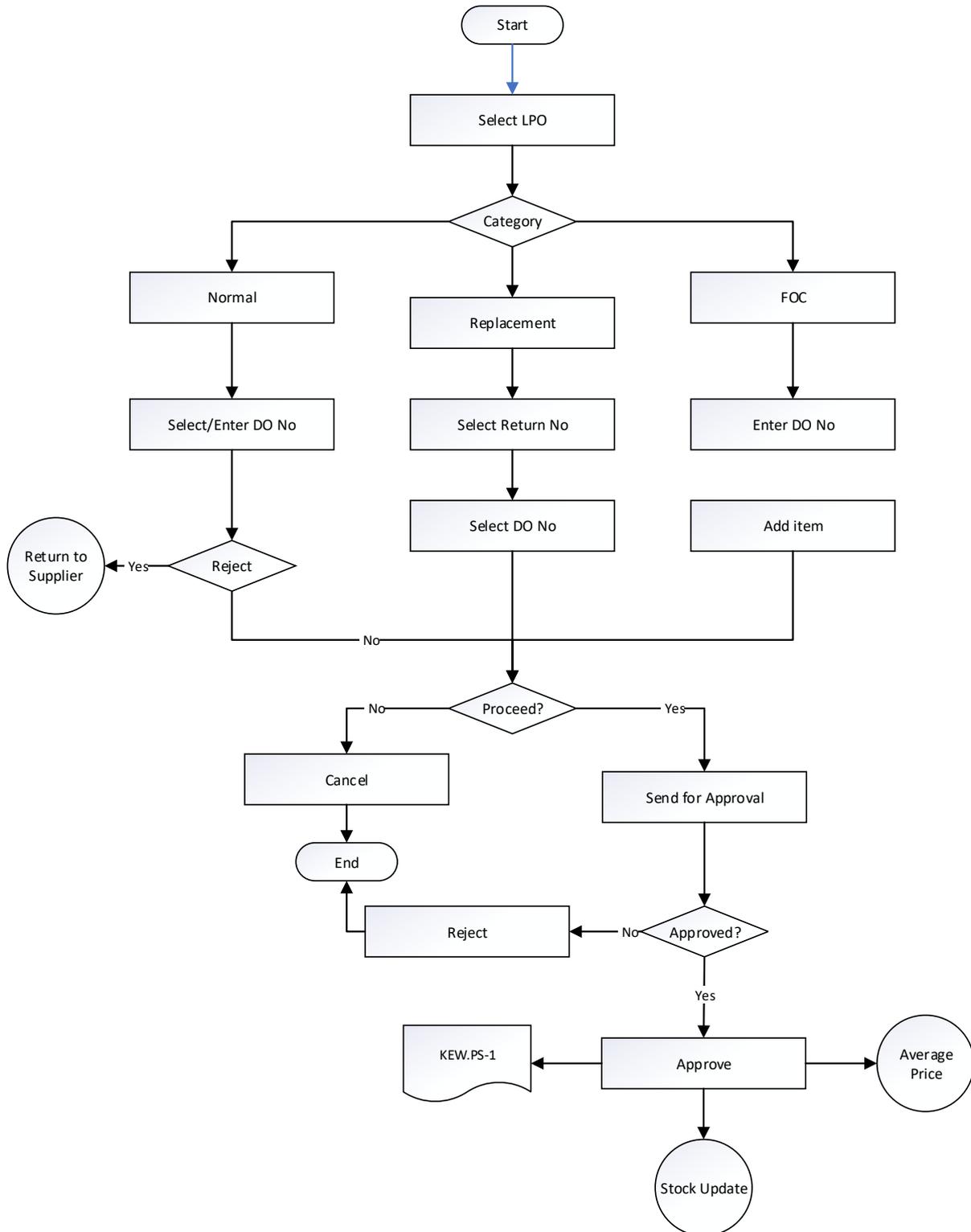
3.10.1 Overview



3.10.2 Purpose

To allow user at Pharmacy Store to record all items delivered by suppliers to the store.

3.10.3 Screen Navigation Diagram

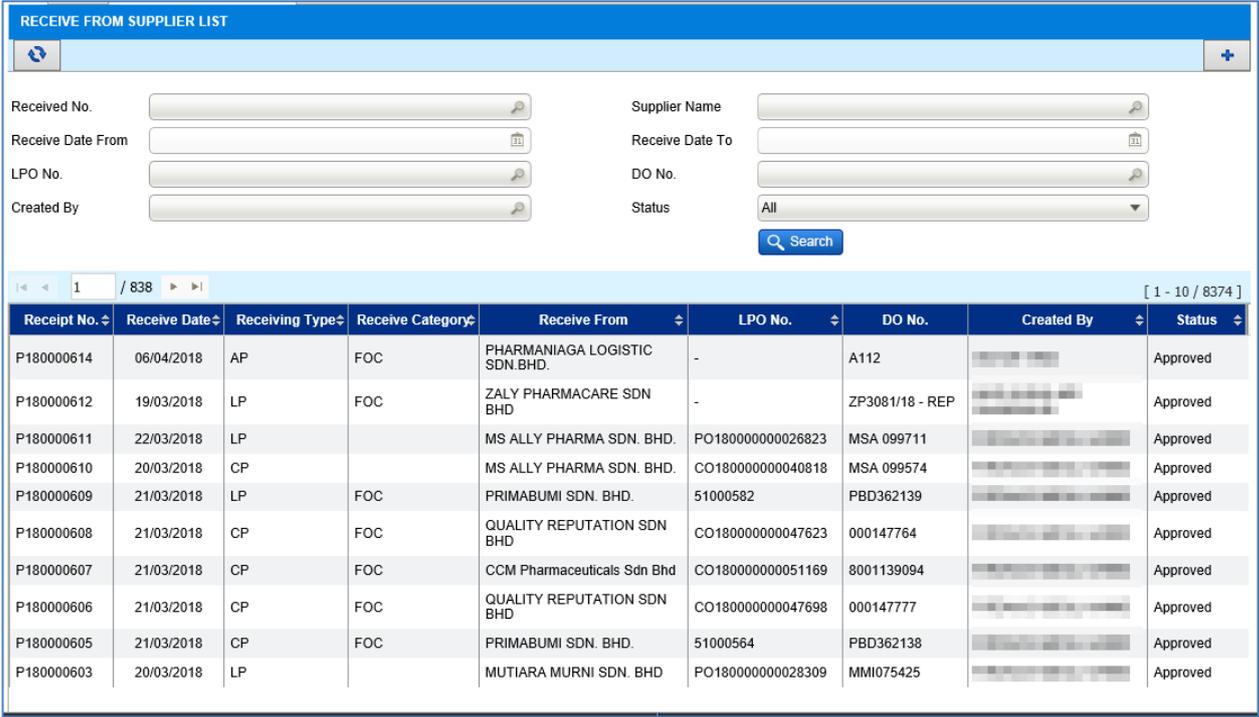


Screen Navigation: Receive from Supplier

3.10.4 Detail Functionality and Screen

3.10.4.1 Receive from Supplier Listing

3.2.4.1.1 Screen Design

ID	RFS.SD1
Description	Receive from Supplier Listing screen
Diagram	
i. Receiving Listing.	
	
Notes	<ul style="list-style-type: none"> • Click on Add button to create new transaction • Click on search button to search for the transaction • Double click on transaction record to view the transaction
Cross References	

3.2.4.1.2 Application Business Rules

No.	Name	Description
1.	Receiving record	User can view list of receiving record created.
2.	Search Transaction	Click on the 'Search' button to search the existing record: <ol style="list-style-type: none"> If user enters multiple search criteria, system will display the search results based on the specified criteria If no criteria entered, system will display all transactions System will display the records that match any keyword entered regardless of the letter type (uppercase or lowercase).
3.	Receiving	Double click on any record to view the record details.



No.	Name	Description
	Transaction	List will display the following information: i. Receipt No. ii. Receive Date iii. Receiving Type iv. Receive Category v. Receive From vi. LPO No. vii. DO No. viii. Created By ix. Status
4.	Create New Transaction	Click on the 'Create New Record (+)' button to create new transaction record.
5.	Refresh Listing	Click on the 'Refresh' button to reset all search criteria: i. Received No – All ii. Receive Date From – Display as empty field iii. LPO No – Display as empty field iv. Created by – Display as empty field v. Supplier Name – Display as empty field vi. Receive Date To – Display as empty field vii. DO No. – Display as empty field viii. Status – All Search results will display all records based on above reset search criteria.

3.2.4.1.3 Input Validation Rules

No.	Name	Description	Mandatory	Format
1.	Received No	List of received no for receiving record created.	No	Searching field
2.	Receive Date From	User to select date from the calendar. Click on the calendar icon to display the calendar.	No	Calendar
3.	LPO No.	List of LPO no	No	Searching field
4.	Created By	List of level 1 user from user master.	No	Searching field
5.	Supplier Name	List of supplier from supplier master	No	Searching field
6.	Receive Date To	User to select date from the calendar. Click on the calendar icon to display the calendar.	No	Calendar
7.	DO No	List of facility indent number received.	No	Searching field
8.	Status	Value refer to reference code, domain = 'RECEIVE_SUPPLIER_STATUS'	No	Drop down list



No.	Name	Description	Mandatory	Format
		Default to 'All' however user can select specific transaction type: <ul style="list-style-type: none">• Approved• Cancelled• Close• Pending for Approval• Rejected		



3.10.4.2 Receive from Supplier

3.2.4.2.1 Screen Design

ID	RFS.SD2
Description	Receive from Supplier

Diagram

i. Receiving information

ii. Receive Item Against = AP DO



iii. Receive Item Against = Contract DO

RECEIVE FROM SUPPLIER

RECEIVING INFORMATION

Received No.	<input type="text"/>	Created Date	12/04/2018 11:44 AM
Received From	Supplier	Created By	Pharmacist Store
Receive Item Against	Contract DO	Unit Name	Farmasi Logistik
LPO No.	<input type="text"/>	Supplier Code	<input type="text"/>
LPO Date	<input type="text"/>	Goods Received Date And Time	<input type="text"/>
Supplier Name	<input type="text"/>	LPO Transmitted Date and Time	<input type="text"/>
Receive Category	<input type="text"/>	Status	Open
Item Group	<input type="text"/>	Remarks	<input type="text"/>
Expected Delivery Date and Time	<input type="text"/>		
Receipt Amount (RM)	0.00		
DO No.	<input type="text"/>		

RECEIVING DETAIL'S LIST

No.	Item Code	Item Description	PKU	Packaging Description	Order Quantity (PKU)	Receive Quantity (PKU)	Brand	Manufacturer	Manufactured Date	Batch No.	Ex
No Record Found											

iv. Receive Item Against = LP DO

RECEIVE FROM SUPPLIER

RECEIVING INFORMATION

Received No.	<input type="text"/>	Created Date	12/04/2018 11:44 AM
Received From	Supplier	Created By	Pharmacist Store
Receive Item Against	LP DO	Unit Name	Farmasi Logistik
LPO No.	<input type="text"/>	Supplier Code	<input type="text"/>
LPO Date	<input type="text"/>	Goods Received Date And Time	<input type="text"/>
Supplier Name	<input type="text"/>	LPO Transmitted Date and Time	<input type="text"/>
Receive Category	<input type="text"/>	Status	Open
Item Group	<input type="text"/>	Remarks	<input type="text"/>
Expected Delivery Date and Time	<input type="text"/>		
Receipt Amount (RM)	0.00		
DO No.	<input type="text"/>		

RECEIVING DETAIL'S LIST

No.	Item Code	Item Description	PKU	Packaging Description	Order Quantity (PKU)	Receive Quantity (PKU)	Brand	Manufacturer	Manufactured Date	Batch No.	Ex
No Record Found											



v. Add item (for LP and Contract)

ADD ITEM

Item Code	<input type="text"/>	Item Description	<input type="text"/>
Order Quantity	<input type="text"/>	Pending Quantity	<input type="text"/>
Batch No.	<input type="text"/>	Expiry Date	<input type="text"/>
Receive Quantity (PKU)	<input type="text" value="0"/>	Brand	<input type="text"/>
Unit Price (RM)	<input type="text" value="0.0000"/>	Manufacturer	<input type="text"/>
Amount (RM)	<input type="text" value="0.00"/>	Manufactured Date	<input type="text"/>
Packaging Description	<input type="text"/>	Product Registration Number	<input type="text"/>

vi. Reject item during receiving

RECEIVING DETAIL'S LIST

Order	Manufactured Date	Batch No.	Expiry Date	Shelf Life Compliance	LOU	Reject	Reason For Reject	Reject Quantity (PKU)	Unit Price (RM)	Amount (RM)	Remarks
S	31/12/2017	172563T	31/12/2019	Yes	No	<input type="checkbox"/>		0	115.8800	3,476.40	
dn	18/02/2018	HB2A0055 1	18/02/2020	Yes	No	<input type="checkbox"/>		0	60.5500	1,816.50	
dn	12/12/2017	HAF70387 1	12/12/2020	Yes	No	<input type="checkbox"/>		0	13.4600	1,682.50	

vii. Send for Approval

RECEIVE FROM SUPPLIER

Send for Approval | Cancel Request

RECEIVING INFORMATION

Received No.	P180000621	Created Date	13/04/2018 3:34 PM								
Received From	Supplier	Created By	Pharmacist Store								
Receive Item Against	AP DO	Unit Name	Farmasi Logistik								
LPO No.	CO18000000053078	Supplier Code	SUP000237								
LPO Approval Date and Time	20/03/2018 12:00 AM	Goods Received Date And Time	13/04/2018 3:36:06 PM								
Supplier Name	PHARMANIAGA LOGISTIC SDN.BHD.	LPO Transmitted Date and Time	22/03/2018 9:22 AM								
Receive Category		Status	Open								
Item Group	DRUG	Remarks									
Expected Delivery Date and Time	28/03/2018 12:00 PM										
Receipt Amount (RM)	6,975.40										
DO No.	<table border="1"> <thead> <tr> <th>DO No.</th> <th>DO Date</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/> 178556694</td> <td>23/03/2018</td> </tr> <tr> <td><input checked="" type="checkbox"/> 178557456</td> <td>23/03/2018</td> </tr> <tr> <td><input type="checkbox"/> 178557783</td> <td>23/03/2018</td> </tr> </tbody> </table>	DO No.	DO Date	<input checked="" type="checkbox"/> 178556694	23/03/2018	<input checked="" type="checkbox"/> 178557456	23/03/2018	<input type="checkbox"/> 178557783	23/03/2018		
DO No.	DO Date										
<input checked="" type="checkbox"/> 178556694	23/03/2018										
<input checked="" type="checkbox"/> 178557456	23/03/2018										
<input type="checkbox"/> 178557783	23/03/2018										

RECEIVING DETAIL'S LIST

No.	Item Code	Item Description	PKU	Packaging Description	Order Quantity (PKU)	Receive Quantity (PKU)	Brand	Manufacturer	Manufactured Date	Batch No.	Expiry
1	03.0610.05	Dobutamine 12.5mg/ml in 20ml Injection (250mg/20ml)	pck	pack of 10 vial	30	30	PIRIMAT	Duopharma (M) S	10/01/2018	172563T	31/12/20

viii. Approval

RECEIVE FROM SUPPLIER

Approve
Reject
X

RECEIVING INFORMATION

<p>Received No. <input type="text" value="P180000621"/></p> <p>Received From <input type="text" value="Supplier"/></p> <p>Receive Item Against <input type="text" value="AP DO"/></p> <p>LPO No. <input type="text" value="CO18000000053078"/></p> <p>LPO Approval Date and Time <input type="text" value="20/03/2018 12:00 AM"/></p> <p>Supplier Name <input type="text" value="PHARMANIAGA LOGISTIC SDN BHD."/></p> <p>Receive Category <input type="text" value=""/></p> <p>Item Group <input type="text" value="DRUG"/></p> <p>Expected Delivery Date and Time <input type="text" value="28/03/2018 12:00 PM"/></p> <p>Receipt Amount (RM) <input type="text" value="6,975.40"/></p> <p>DO No.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;"></th> <th style="width: 20%;">DO No.</th> <th style="width: 20%;">DO Date</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/></td> <td>178556694</td> <td>23/03/2018</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>178557456</td> <td>23/03/2018</td> </tr> <tr> <td><input type="checkbox"/></td> <td>178557783</td> <td>23/03/2018</td> </tr> </tbody> </table>		DO No.	DO Date	<input checked="" type="checkbox"/>	178556694	23/03/2018	<input checked="" type="checkbox"/>	178557456	23/03/2018	<input type="checkbox"/>	178557783	23/03/2018	<p>Created Date <input type="text" value="13/04/2018 3:34 PM"/></p> <p>Created By <input type="text" value="Pharmacist Store"/></p> <p>Unit Name <input type="text" value="Farmasi Logistik"/></p> <p>Supplier Code <input type="text" value="SUP000237"/></p> <p>Goods Received Date And Time <input type="text" value="13/04/2018 3:36:06 PM"/></p> <p>LPO Transmitted Date and Time <input type="text" value="22/03/2018 9:22 AM"/></p> <p>Status <input type="text" value="Pending for Approval"/></p> <p>Remarks <input type="text" value=""/></p> <p>Reject Reason <input type="text" value=""/></p>
	DO No.	DO Date											
<input checked="" type="checkbox"/>	178556694	23/03/2018											
<input checked="" type="checkbox"/>	178557456	23/03/2018											
<input type="checkbox"/>	178557783	23/03/2018											

RECEIVING DETAIL'S LIST

No.	Item Code	Item Description	PKU	Packaging Description	Order Quantity (PKU)	Receive Quantity (PKU)	Brand	Manufacturer	Manufactured Date	Batch No.	Expir
1	03.0610.05	Dobutamine 12.5mg/ml in 20ml Injection (250mg/20ml)	pck	pack of 10 vial	30	30	PIRIMAT	Duopharma (M) S	10/01/2018	172563T	31/12/20

Notes	
Cross References	For purchase order function, refer to 'Purchase Order' in Inventory-Procurement SDD

3.2.4.2.2 Application Business Rules

No.	Name	Description
1.	Add new receiving	To add new receiving record, user can search for pending receive indent no from the list after indent record has been retrieved.
2.	Receiving Details List	<p>List will display the following information:</p> <ul style="list-style-type: none"> Item Code Item Description PKU Packaging Description Order Quantity (PKU) Receive Quantity (PKU) Brand Manufacturer Manufactured Date Batch No. Expiry Date Shelf Life Compliance LOU

SDD_PI_Distribution_v1.0
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No.	Name	Description
		<ul style="list-style-type: none"> • Reject • Reason For Reject • Reject Quantity (PKU) • Unit Price (RM) • Amount (RM) • Remarks
3.	Receive Item Against = AP DO	<p>Item will be displayed for the selected DO No. The following information will be populated and not allow to change.</p> <ul style="list-style-type: none"> • Receive Quantity (PKU) • Brand • Manufacturer • Batch No. • Expiry Date <p>The following information can be change by user:</p> <ul style="list-style-type: none"> • Manufactured Date
4.	Receive Item Against = LP DO or Contract DO	<p>Item will be displayed for the selected DO No. The following information will be populated and not allow to change.</p> <ul style="list-style-type: none"> • Brand • Manufacturer <p>The following information ned to be entered by user:</p> <ul style="list-style-type: none"> • Receive Quantity (PKU) • Manufactured Date • Batch No. • Expiry Date
5.	Shelf Life Compliance	<p>$2/3 \text{ Shelf life} = (\text{Expiry Date} - \text{Manufactured Date}) \times (2/3 \text{ shelf life})$ Remaining Days = Expiry Date – Goods Received Date</p> <p>Display 'Shelf Life Compliance' = 'Yes', when 'Remaining Days' is more than or equal to 2/3 'Shelf Life' Display 'Shelf Life Compliance' = 'No', when 'Remaining Days' is less than 2/3 'Shelf Life'</p>
6.	Reject during receiving	<p>User can reject the item by updating the following information:</p> <ul style="list-style-type: none"> • Update 'Reject' checkbox • Choose 'Reject Reason' • Enter 'Reject Quantity' <p>Reason list can refer to reason master where type = 'Reject (Upon Receiving)'</p> <ul style="list-style-type: none"> • Damaged/Obsolete/Expired • No KKM Label • Not Fulfill Required Specification • Not accordance cold chain condition • Not accordance to the description (Wrong Item)



No.	Name	Description
		<ul style="list-style-type: none"> Product not within 2 - 8°C Reject LOU Item (Below 2/3 of Shelf Life) Reject LOU Item (Below 6 month expiry) *Rejected item can be retrieved in 'Return to Supplier' screen.
7.	Click on save	On click of 'Save' button: <ol style="list-style-type: none"> Status remain as Open UOM selection will be disabled 'Send for Approval' and 'Cancel' button will be displayed. Receiving record will be displayed in receiving list with status open.
8.	Cancel	On click of 'Cancel' button: <ol style="list-style-type: none"> Status updated to 'Cancelled' All fields and buttons will be disabled
9.	Send for Approval	On click of 'Send for Approval' button: <ol style="list-style-type: none"> Status updated to 'Pending for Approval' Approve and Reject buttons will be displayed for user with approval role. Pending approval record will be displayed in the task list with transaction type= 'Received From Supplier' and Status='Pending for Approval'
10.	Reject button	<ol style="list-style-type: none"> User must enter reject reason before can reject the transaction. Once click of Reject button, status updated to 'Rejected' Remove pending approval record from task list.
11.	Approve button	On click of 'Approve' button: <ol style="list-style-type: none"> Status updated to 'Approved' Stock will be updated for receiving unit To recalculate item average price Print button will be displayed. *Approval button only will be displayed for user with approval roles
12.	KEW.PS-1	User able to print report once record is approved. Refer to KEW.PS-1 .
13.	Direct Issue	For receiving of purchase order for external indent, Online Issue record will be created with status 'Approved'. Stock will be deducted by receiving unit and issue direct to external party.

3.2.4.2.3 Input Validation Rules

No.	Name	Description	Mandatory	Format
Header				
1.	Receive No.	Receive No will be generated upon save the receiving record.	No	Read-only
2.	Receive From	Default to 'Supplier'	No	Read-only



No.	Name	Description	Mandatory	Format
3.	Receive Item Against	Value refer to reference code, domain = 'SUPPLIER_RECEIVE_AGAINST' Default to 'blank' however user can select specific value: <ul style="list-style-type: none"> • AP DO • Contract DO • LP DO 	Yes	Drop down list
4.	LPO No	List of LPO where : <ul style="list-style-type: none"> • PO Status = Approved / PKD Approved • PO eP status = eP Approved • eP approved quantity > 0 • LPO not yet receive *User can filter the list by entering Supplier Name. List will be filtered by selected Supplier Name	Yes	Searching field
5.	LPO Approval Date and Time	Information will be displayed for selected LPO No	No	Text field
6.	Supplier Name	<ul style="list-style-type: none"> • For 'AP DO', value defaulted to 'PHARMANIAGA LOGISTIC SDN.BHD.' • For 'Contract DO' and 'LP DO', value will be displayed based on selected LPO If user select another supplier name, LPO No and will be refresh. User can search for new LPO No for the selected Supplier.		
7.	Receive Category	Value refer to reference code, domain = 'RECEIVE_CATEGORY' Default to 'blank' however user can select specific value: <ul style="list-style-type: none"> • Free of Charge(FOC) • Replacement For replacement, user must select 'Return No' from the list. LPO details will be displayed for the selected Return No.	No	Drop down list
8.	Return No	Applicable to 'Receive Category'= Replacement only. List of return will be displayed for selected 'Receive Item Against' type. *Mandatory for 'Replacement' only.	Yes	Searching field
9.	Item Group	<ul style="list-style-type: none"> • 'RECEIVE_CATEGORY' not 'Free of Charge(FOC)', display item group for the selected LPO No • 'RECEIVE_CATEGORY' = 'Free of Charge(FOC)' Value refer to reference code, domain = 'ITEM_GROUP' Default to 'blank' however user can select specific value: <ul style="list-style-type: none"> ○ Drug 	No	Drop down list



No.	Name	Description	Mandatory	Format
		o Non-Drug		
10.	Expected Delivery Date and Time	Information will be displayed for selected LPO No	No	Text field
11.	Receipt Amount (RM)	Display amount of item receive for the selected DO No	No	Read-only
12.	DO No	<ul style="list-style-type: none"> For 'AP DO', 'RECEIVE_CATEGORY' = <blank>, List of value will be displayed for selected LPO No For 'AP DO', 'RECEIVE_CATEGORY' = 'Free of Charge (FOC)', value must be entered by user. For 'Contract DO' and 'LP DO', value must be entered by user. 	Yes	Listing, Text field
13.	Created Date	Default to current date. User cannot change this value.	No	Text field
14.	Created by	User who created/saved the record. Displayed based on user's first name and last name from Maintenance>Security>User Profile.	No	Read-only
15.	Unit Name	Default to user unit from Maintenance>Security>User Profile.	No	Read-only
16.	Supplier Code	Display facility code for the selected Supplier Name	No	Read-only
17.	Good Receive Date and Time	User to select date from the calendar. Click on the calendar icon to display the calendar. Date cannot less than LPO and date and cannot greater than current date	Yes	Calendar
18.	LPO Transmitted Date and Time	Information will be displayed for selected LPO No	No	Text field
19.	Status	Default to 'Open'	No	Read-only
20.	Remarks	User to enter free text value with maximum 100 characters.	No	Text field
Item List				
21.	Receive Quantity (PKU)	Numeric value without decimal. Value cannot more than Order quantity	Yes	Text field
22.	Brand	Value will be defaulted to brand selected during PO creation and user is allowed to change to another brand if required. List will be displayed based on active brand in item master.	Yes	Drop down list
23.	Manufacturer	Value will be defaulted to manufacturer selected during PO creation and user is allowed to change to another manufacturer if required. List will be displayed based on active brand in item master.	Yes	Drop down list
24.	Manufactured Date	User to select date from the calendar. Click on the calendar icon to display the calendar. Date cannot	Yes	Calendar



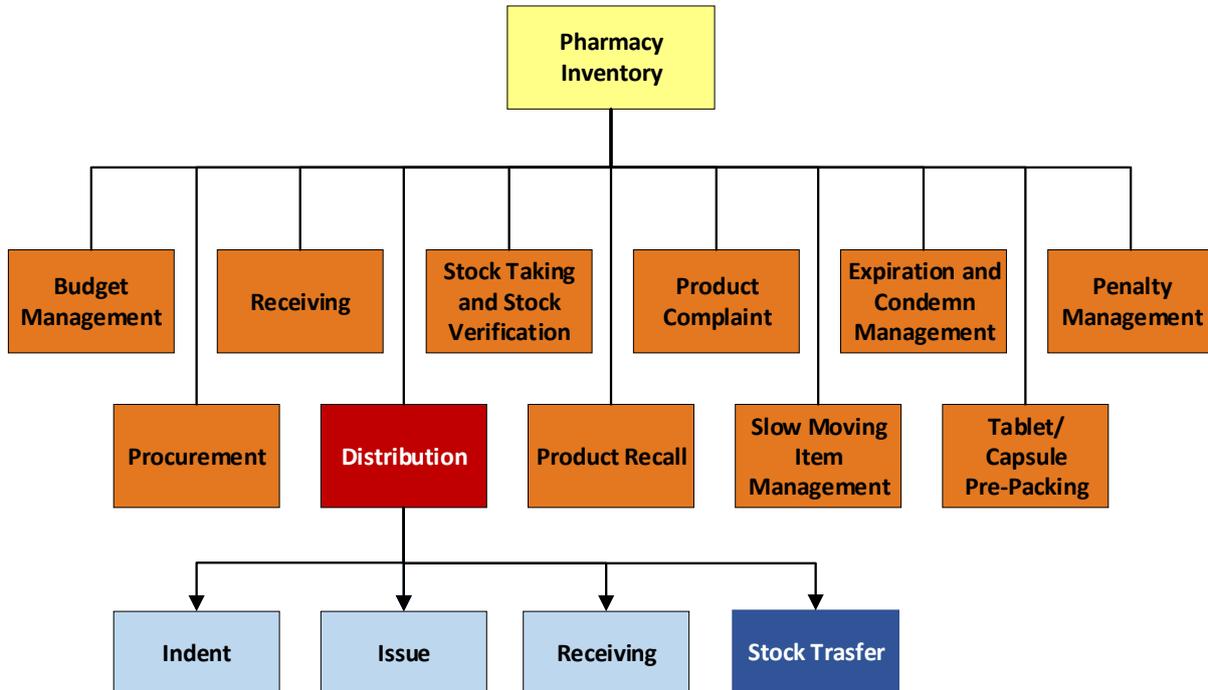
No.	Name	Description	Mandatory	Format
		greater than current date		
25.	Batch No.	User to enter free text value with maximum 30 characters.	Yes	Text field
26.	Expiry Date	User to select date from the calendar. Click on the calendar icon to display the calendar. Date cannot greater than current date	Yes	Calendar
27.	Shelf Life Compliance	$2/3 \text{ Shelf life} = (\text{Expiry Date} - \text{Manufactured Date}) \times (2/3 \text{ shelf life})$ Remaining Days = Expiry Date – Goods Received Date Display 'Shelf Life Compliance' = 'Yes', when 'Remaining Days' is more than or equal to 2/3 'Shelf Life' Display 'Shelf Life Compliance' = 'No', when 'Remaining Days' is less than 2/3 'Shelf Life'	No	Read Only
28.	LOU	Default to 'No however user can select specific value: <ul style="list-style-type: none"> • Yes • No 	No	Drop down list
29.	Reason For Reject	Reason list can refer to reason master where type = 'Reject (Upon Receiving)'. Mandatory for rejected item.	Yes	Drop down list
30.	Reject Quantity (PKU)	Numeric value without decimal. Value cannot more than Receive quantity. Mandatory for rejected item.	Yes	Text field
31.	Remarks	User to enter free text value with maximum 50 characters.	No	Text field

3.10.5 Integration

None

3.12 Stock Transfer

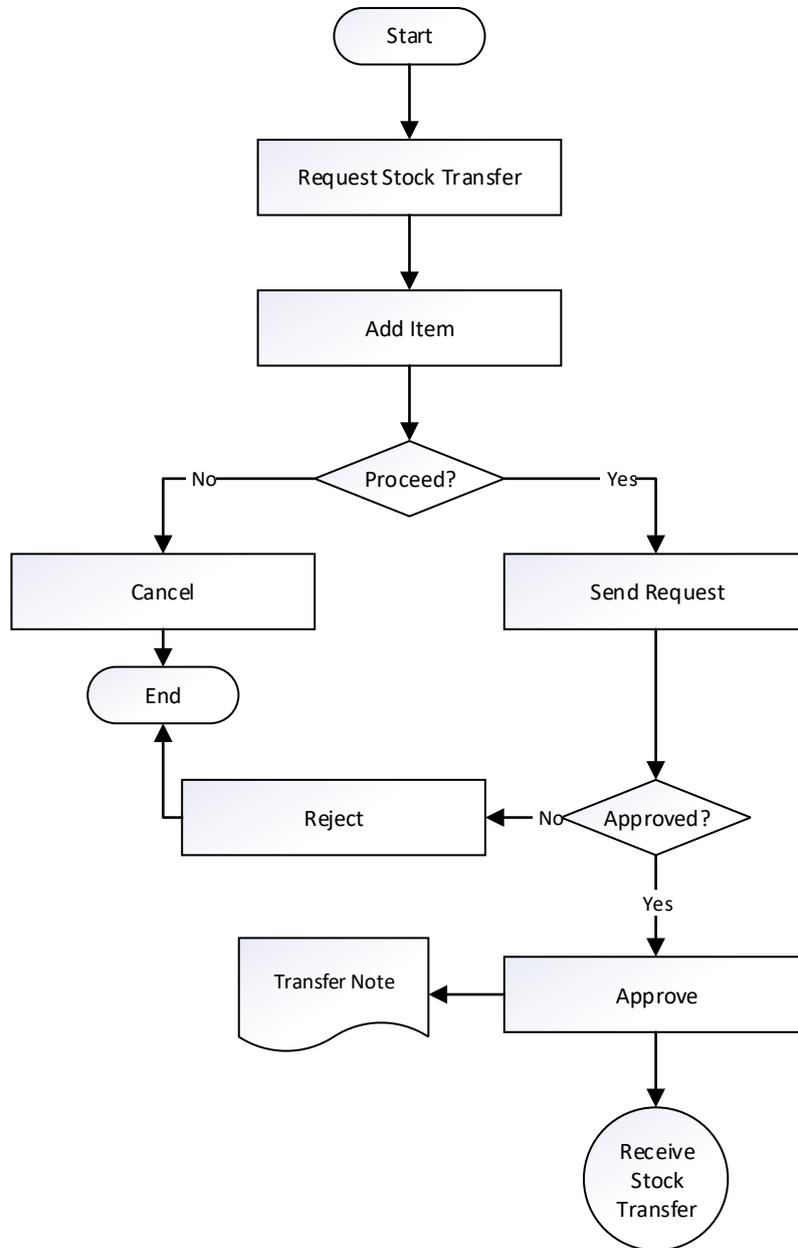
3.12.1 Overview



3.12.2 Purpose

Stock Transfer sub-module will be used by the user at the Sub store level (Level 2) and Unit/Ward level (Level 3) to transfer Standard or Non Standard Drug or Non Drug based on unit catalogue including ward stock drug. The Stock Transfer is only applicable between users in the same level.

3.12.3 Screen Navigation Diagram

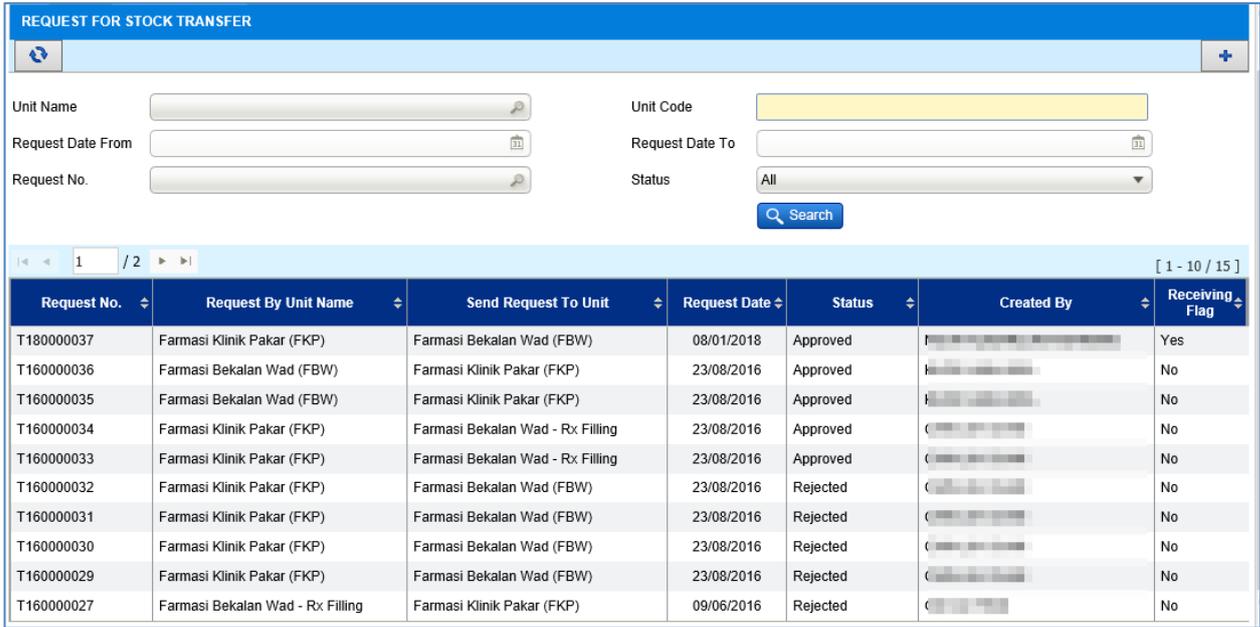


Screen Navigation: Stock Transfer

3.12.4 Detail Functionality and Screen

3.12.4.1 Stock Transfer Listing

3.2.4.1.1 Screen Design

ID	STT.SD1
Description	Stock Transfer listing screen
Diagram	
<p>i. Stock Transfer Listing.</p>  <p>The screenshot shows a web interface titled 'REQUEST FOR STOCK TRANSFER'. It includes search filters for Unit Name, Unit Code, Request Date From, Request Date To, Request No., and Status. A 'Search' button is present. Below the filters is a table with columns: Request No., Request By Unit Name, Send Request To Unit, Request Date, Status, Created By, and Receiving Flag. The table contains 11 rows of transaction data.</p>	
Notes	<ul style="list-style-type: none"> • Click on Add button to create new transaction • Click on search button to search for the transaction • Double click on transaction record to view the transaction
Cross References	

3.2.4.1.2 Application Business Rules

No.	Name	Description
1.	Stock transfer list	User can view list of transfer record created.
2.	Search Transaction	<p>Click on the 'Search' button to search the existing record:</p> <ul style="list-style-type: none"> i. If user enters multiple search criteria, system will display the search results based on the specified criteria ii. If no criteria entered, system will display all transactions <p>System will display the records that match any keyword entered regardless of the letter type (uppercase or lowercase).</p>
3.	Stock Transfer Transaction	<p>Double click on any record to view the record details.</p> <p>List will display the following information:</p> <ul style="list-style-type: none"> i. Request No.



No.	Name	Description
		ii. Request By Unit Name iii. Send Request To Unit iv. Request Date v. Status vi. Created By vii. Receiving Flag
4.	Create New Transaction	Click on the 'Create New Record (+)' button to create new transaction record.
5.	Refresh Listing	Click on the 'Refresh' button to reset all search criteria: i. Unit Name – Display as empty field ii. Request Date From – Display as empty field iii. Request No – Display as empty field iv. Created by – Display as empty field v. Unit Code – Display as empty field vi. Request Date To – Display as empty field vii. Status – All Search results will display all records based on above reset search criteria.

3.2.4.1.3 Input Validation Rules

No.	Name	Description	Mandatory	Format
1.	Unit No	List of active requester unit same level with user login unit	No	Searching field
2.	Request Date From	User to select date from the calendar. Click on the calendar icon to display the calendar.	No	Calendar
3.	Request No.	List of previous request	No	Searching field
4.	Unit Code	Unit Code will be displayed based on selected unit name	No	Read-only
5.	Request Date To	User to select date from the calendar. Click on the calendar icon to display the calendar.	No	Calendar
6.	Status	Value refer to reference code, domain = 'STOCK_TRANSFER_STATUS' Default to 'All' however user can select specific transaction type: <ul style="list-style-type: none"> • Approved • Cancelled • Open • Pending for Approval • Rejected 	No	Drop down list



3.12.4.2 Stock Transfer

3.2.4.2.1 Screen Design

ID	STT.SD2
Description	Stock Transfer

Diagram

i. Request for Stock Transfer screen

REQUEST FOR STOCK TRANSFER

REQUEST STOCK TRANSFER INFORMATION

Stock Transfer No		Request Date	19/04/2018 4:23 PM
Requestor Unit Name	Farmasi Klinik Pakar (FKP)	Send Request To (Unit Code)	
Send Request To (Unit Name)		Item Sub Class	
Item Group	DRUG	Status	Open
Remarks		Reject Reason	

REQUEST ITEM LIST

+ Add Item

	Drug/Non-Drug Name	Drug/Non-Drug Code	SKU	Average Unit Price (RM)	Requested Quantity (SKU)	Requester		Approver	
						Total Amount (RM)	Stock Available (SKU)	Approved Quantity (SKU)	Total Amount (RM)
<i>No Records Found!</i>									

ii. Add item

ADD STOCK TRANSFER ITEM

i

Drug/Non-Drug Name		Drug/Non-Drug Code	
Total Quantity Available	0	Request Quantity (SKU)	0
SKU		Average Unit Price (RM)	0.0000
Amount (RM)	0.00		

Request item list

REQUEST ITEM LIST

Delete Item

	Drug/Non-Drug Name	Drug/Non-Drug Code	SKU	Average Unit Price (RM)	Requested Quantity (SKU)	Requester		Approver	
						Total Amount (RM)	Stock Available (SKU)	Approved Quantity (SKU)	Total Amount (RM)
<input type="checkbox"/>	Bisacodyl 5 mg Tablet	A06AB02000T1001X	tablet	0.0303	100	3.03	4,000	0	0.00



iii. Send Request

REQUEST FOR STOCK TRANSFER

Request Cancel Request

REQUEST STOCK TRANSFER INFORMATION

Stock Transfer No: T18000001
 Requestor Unit Name: Farmasi Klinik Pakar (FKP)
 Send Request To (Unit Name): Farmasi Bekalan Wad - Rx Filling
 Item Group: DRUG
 Remarks:

Request Date: 19/04/2018 4:26 PM
 Send Request To (Unit Code): FBWFill
 Item Sub Class: Tablet/Capsule
 Status: Open
 Reject Reason:

REQUEST ITEM LIST

Delete Item

	Drug/Non-Drug Name	Drug/Non-Drug Code	SKU	Average Unit Price (RM)	Requested Quantity (SKU)	Total Amount (RM)	Stock Available (SKU)	Approved Quantity (SKU)	Total Amount (RM)
<input type="checkbox"/>	Bisacodyl 5 mg Tablet	A06AB0200T1001XX	tablet	0.0303	100	3.03	4,000	0	0.00

iv. Approval by supplying unit

REQUEST FOR STOCK TRANSFER

Approve Reject

REQUEST STOCK TRANSFER INFORMATION

Stock Transfer No: T18000002
 Requestor Unit Name: Farmasi Klinik Pakar (FKP)
 Send Request To (Unit Name): Farmasi Bekalan Wad - Rx Filling
 Item Group: DRUG
 Remarks:

Request Date: 19/04/2018 4:50 PM
 Send Request To (Unit Code): FBWFill
 Item Sub Class:
 Status: Pending For Approval
 Reject Reason:

REQUEST ITEM LIST

	Drug/Non-Drug Name	Drug/Non-Drug Code	SKU	Average Unit Price (RM)	Requested Quantity (SKU)	Total Amount (RM)	Stock Available (SKU)	Approved Quantity (SKU)	Total Amount (RM)
	Acarbose 50 mg Tablet	A10BF01000T1001XX	tablet	0.0732	10	0.73	9,990	0	0.00

v. Stock Allocation

ITEM DETAILS

Drug/Non-Drug Name: Acarbose 50 mg Tablet Request Quantity: 10

Item Code	Item Description	Brand Name	Batch No	Expiry Date	Stock Available (SKU)	Conversion Factor	Stock Available (PKU)	Average Unit Price (RM)	Packaging Description	Issue Quantity (SKU)	Issue Quantity (PKU)
A10BF01000T1001XX.01	Acarbose 50 mg Tablet	GARBOSE	ZP004	30/04/2018	1,951	100	19.51	0.11	Box of 100 tab	10	0.10
Total Quantity										10	

vi. Print transfer Note

REQUEST FOR STOCK TRANSFER											
Transfer Note X											
REQUEST STOCK TRANSFER INFORMATION											
Stock Transfer No	T18000002			Request Date	19/04/2018 4:50 PM						
Requestor Unit Name	Farmasi Klinik Pakar (FKP)			Send Request To (Unit Code)	FBWFIII						
Send Request To (Unit Name)	Farmasi Bekalan Wad - Rx Filling			Item Sub Class							
Item Group	DRUG			Status	Approved						
Remarks				Reject Reason							
REQUEST ITEM LIST											
1 / 1											
Drug/Non-Drug Name	Drug/Non-Drug Code	SKU	Average Unit Price (RM)	Requested Quantity (SKU)	Total Amount (RM)	Requester		Approver			
Acarbose 50 mg Tablet	A10BF01000T1001XX	tablet	0.0732	10	0.73	Stock Available (SKU)	9,990	Approved Quantity (SKU)	10	Total Amount (RM)	0.73

Notes

- Add/Delete Item if necessary
- Requester save record and send as new request to supplying unit
- Approval done by supplying unit (for user with approval role)

Cross References

For receiving of stock transfer, please refer to [3.8.4.2 Receive Item – Stock Transfer](#)

3.2.4.2.2 Application Business Rules

No.	Name	Description
1.	New transfer record	Create new record: i. User to fill in all required details ii. Record status displayed as 'Open' by default
2.	Add item	Click on Add item button to add item to the list. Item will be displayed based on requester unit catalogue. List will be filtered by Item Class/Item Sub-Class based on value selected before user click on Add Item User is allowed to transfer only 1 item per transaction only.
3.	Request item list	Added item will be displayed in the list as below: i. Drug/Non-Drug Name ii. Drug/Non-Drug Code iii. SKU iv. Requester <ul style="list-style-type: none"> • Average Unit Price (RM) • Requested Quantity(SKU) • Total Amount (RM) • Stock Available (SKU) v. Approver <ul style="list-style-type: none"> • Approved Quantity(SKU) • Total Amount (RM)

No.	Name	Description
4.	Save new transfer record	On click of 'Save' button: i. Status remain as Open ii. Transfer No will be generated iii. 'Request' and 'Cancel' button will be displayed. iv. Transfer record will be displayed in the listing
5.	Transfer No	This field will automatically be assigned with a system generated allocation no when user saves the transaction.
6.	Cancel transaction	On click of 'Cancel' button: i. Status updated to 'Cancelled' ii. All fields and buttons will be disabled
7.	Send 'Request'	On click of 'Request' button: i. Status updated to 'Pending for Approval' ii. All fields and buttons will be disabled Pending approval record will be displayed in the supplier task list with transaction type= 'Stock Transfer' and Status='Pending for Approval'.
8.	Item Allocation	User must allocate stock before approve the transaction. User is allowed to allocate multiple batch per item.
9.	Reject button	On click of 'Reject' button: i. User must enter reject reason before can reject the transaction. ii. Once click of Reject button, status updated to 'Rejected' iii. All fields and buttons will be disabled iv. Remove pending approval record from task list.
10.	Approve button	On click of 'Approve' button: i. Status updated to 'Approved' ii. Remove pending approval record from task list for supplying unit. iii. Receiving Flag display as 'No' iv. Generate 'Transfer Issue Note' button will be displayed *Approval button only will be displayed for user with approval roles
11.	Generate Transfer Note	<ul style="list-style-type: none"> Refer to Transfer Note Transfer Note No will be generated Pending receive record will be displayed in task list for requester unit. Type = 'Receive Internal' with status 'Pending to Receive'

3.2.4.2.3 Input Validation Rules

No.	Name	Description	Mandatory	Format
Header				
1.	Stock Transfer No	Transfer No will be generated upon save the receiving record.	No	Read-only
2.	Requestor Unit Name	Default to login user unit	No	Read-only



No.	Name	Description	Mandatory	Format
3.	Send Request to (Unit Name)	List of requester unit same level with login user unit.	Yes	Searching field
4.	Item Group	Value refer to reference code, domain = 'ITEM_GROUP' Default to 'Drug' however user can select specific value: <ul style="list-style-type: none"> • Drug • Non-Drug 	Yes	Drop down list
5.	Remarks	User to enter free text value with maximum 100 characters.	No	Text field
6.	Request Date	Default to current date. User cannot change this value.	No	Read-only
7.	Send Request to (Unit Code)	Display Code for selected 'Send Request to (Unit Name)'	No	Read-only
8.	Item Sub-lass	Item Sub Class will be displayed based on item group selected. Default to <blank>	No	Drop down list
9.	Status	Default to 'Open'	No	Read-only
10.	Remarks	User to enter free text value with maximum 500 characters. Mandatory if user want to reject the record.	Yes	Text field
Item List				
11.	Drug/Non-Drug Name	List of active drugs for Requester Unit List will be filtered by Item Class/Item Sub-Class based on value selected before user click on Add Item	Yes	Searching field
12.	Total Quantity Available	Total available stock for the requester unit	No	Read-only
13.	SKU	Display SKU for the selected drug	No	Read-only
14.	Amount (RM)	Total amount of item selected = Average Unit Price x Request Quantity	No	Read-only
15.	Drug/Non-Drug Code	Display code for the selected drug/non-drug	No	Read-only
16.	Request Quantity (SKU)	Numeric value with maximum 5 digits	Yes	Text field
17.	Average Unit Price (RM)	Display average price for selected drug.	No	Read-only

3.12.5 Integration

None



3.13 Transaction Report

3.13.1 Purpose

Allow user to print transaction report based on transaction created.

3.13.2 Detail Functionality and Screen

3.13.2.1 KEW.PS-10

3.2.2.1.1 Screen Design

ID	KEW.PS-10													
Description	Borang Pesanan dan Pengeluaran Stok													
Diagram														
i. During Indent														
KEMENTERIAN KESIHATAN MALAYSIA Hospital Kulim BORANG PESANAN DAN PENGELUARAN STOK (Tatacara Pengurusan Stok 136) KEW.PS-10														
Pemesan : Farnasi Bekalan Wad (FBW)				Pengeluar :										
Dilengkapkan Oleh Stor Pemesan				Dilengkapkan Oleh Stor Pengeluar										
No. Pesanan : K18019018		Tarikh Pesanan : 08/01/2018		No. Pengeluaran :					Tarikh Pengeluaran :					
Tarikh Bekalan Dikehendaki :				BAHAGIAN BEKALAN KAWALAN DAN AKAUN					BAHAGIAN SIMPANAN					
No. Kod (Drug/Non Drug Code)	Perihal Stok	Kuantiti Asal	SKU	No. Kod (Item Code)	Baki di Stok	SKU	Kuantiti Diluluskan (SKU)	Deskripsi Bungkus	Harga (RM)		Kuantiti Dikeluarkan (PKU)	No. Kelompok	Tarikh Luput	Catatan
									Seunit (SKU)	Jumlah				
J05AB01000T1002XX	Acylovir 800 mg Tablet	3,000	tablet											
A12AA04121C1001X	Calcium Carbonate 500mg Capsule	5,000	capsule											
Dilengkapkan Oleh Stor Pemesan				Dilengkapkan Oleh Stor Pengeluar										
Pegawai Pemesan :		Pegawai Penerima :		Telah Diluluskan dan Direkodkan oleh :					Dikeluarkan dan Direkod oleh :					
Nama : Pharmacist FBW		Nama :		Nama :					Nama :					
Jawatan : Pegawai Farmasi U44		Jawatan :		Jawatan :					Jawatan :					
Unit : Farnasi Bekalan Wad (FBW)		Jabatan :		Unit :					Unit :					
Jabatan : Pharmacy		Tarikh :		Jabatan :					Jabatan :					
Tarikh : 08/01/2018		(Dilengkapkan setelah stok diterima)		Tarikh :					Tarikh :					
Remarks: remarks from indenter				BAHAGIAN BUNGKUSAN DAN PENGHANTARAN										
				Butir-butir Bungkus		Butir-butir Penghantaran		Telah dibungkus dan dihantar oleh :						
				Nama :										
				Jawatan :										
				Jabatan :										
				Tarikh :										



ii. Generate Issue Note (in SKU)

KEMENTERIAN KESIHATAN MALAYSIA												Salinan Stor		
Hospital Kulim												KEW.PS-10		
BORANG PESANAN DAN PENGLUARAN STOK														
(Tatacara Pengurusan Stor 136)														
Pemesan : Farnasi Bekalan Wad (FBW)						Pengeluar : Farnasi Logistik								
Dilengkapkan Oleh Stor Pemesan						Dilengkapkan Oleh Stor Pengeluar								
No. Pemesanan: K18019018		Tarikh Pesanan: 08/01/2018		No. Pengeluaran: I02PS001-0024069		Online Issue		Tarikh Pengeluaran: 08/01/2018						
Tarikh Bekalan Dikehendaki:				BAHAGIAN BEKALAN KAWALAN DAN AKAUN						BAHAGIAN SIMPANAN				
No Kod(Drug/Non Drug Code)	Perihal Stok	Kuantiti Dipesan	SKU	No. Kod (Item Code)	Kuantiti Diluluskan	Baki di Stor	SKU	Harga (RM)		Kuantiti Dikeluarkan	Deskripsi Bungkus	No Kelompok	Tarikh Luput	Catatan
								Seunit	Jumlah					
J05AB01000T1002XX	Acyclovir 800 mg Tablet	3,000	tablet	J05AB01000T1002XX.01	800	600	tablet	0.5629	450.32	800	box of 35 tablet	2835067	30/11/2020	
J05AB01000T1002XX	Acyclovir 800 mg Tablet		tablet	J05AB01000T1002XX.01	700		tablet	0.5629	394.03	700	box of 35 tablet	2835065	30/11/2020	
A12AA04121C1001XX	Calcium Carbonate 500mg Capsule	5,000	capsule	A12AA04121C1001XX.01	5000	10,000	capsule	0.0637	318.50	5000	pack of 1000 capsule	150702	31/10/2019	
Dilengkapkan Oleh Stor Pemesan						Dilengkapkan Oleh Stor Pengeluar								
Pegawai Pemesan :			Pegawai Penerima :			Telah Diluluskan dan Direkodkan oleh:			Dikeluarkan dan Direkodkan oleh:					
Nama : Pharmacist FBW			Nama :			Nama : FL User			Nama :					
Jawatan : Pegawai Farnasi U44			Jawatan :			Jawatan : Pegawai Farnasi U48			Jawatan :					
Unit : Farnasi Bekalan Wad (FBW)			Unit :			Unit : Farnasi Logistik			Unit :					
Jabatan : Pharmacy			Jabatan :			Jabatan : Pharmacy			Jabatan :					
Tarikh : 08/01/2018			Tarikh :			Tarikh : 08/01/2018			Tarikh :					
			(Dilengkapkan setelah stok diterima)											
Remark : remarks from issue						BAHAGIAN BUNGKUSAN DAN PENGHANTARAN								
			Butir-butir Bungkus			Butir-butir Penghantaran			Telah dibungkus dan dihantar oleh:					
									Nama :					
									Jawatan :					
									Jabatan :					
									Tarikh :					

KEMENTERIAN KESIHATAN MALAYSIA												Salinan Pemesan		
Hospital Kulim												KEW.PS-10		
BORANG PESANAN DAN PENGLUARAN STOK														
(Tatacara Pengurusan Stor 136)														
Pemesan : Farnasi Bekalan Wad (FBW)						Pengeluar : Farnasi Logistik								
Dilengkapkan Oleh Stor Pemesan						Dilengkapkan Oleh Stor Pengeluar								
No. Pemesanan: K18019018		Tarikh Pesanan: 08/01/2018		No. Pengeluaran: I02PS001-0024069		Online Issue		Tarikh Pengeluaran: 08/01/2018						
Tarikh Bekalan Dikehendaki:				BAHAGIAN BEKALAN KAWALAN DAN AKAUN						BAHAGIAN SIMPANAN				
No Kod(Drug/Non Drug Code)	Perihal Stok	Kuantiti Dipesan	SKU	No. Kod (Item Code)	Kuantiti Diluluskan	Baki di Stor	SKU	Harga (RM)		Kuantiti Dikeluarkan	Deskripsi Bungkus	No Kelompok	Tarikh Luput	Catatan
								Seunit	Jumlah					
J05AB01000T1002XX	Acyclovir 800 mg Tablet	3,000	tablet	J05AB01000T1002XX.01	800	0	tablet	0.5629	450.32	800	box of 35 tablet	2835067	30/11/2020	
J05AB01000T1002XX	Acyclovir 800 mg Tablet		tablet	J05AB01000T1002XX.01	700		tablet	0.5629	394.03	700	box of 35 tablet	2835065	30/11/2020	
A12AA04121C1001XX	Calcium Carbonate 500mg Capsule	5,000	capsule	A12AA04121C1001XX.01	5000		capsule	0.0637	318.50	5000	pack of 1000 capsule	150702	31/10/2019	
Dilengkapkan Oleh Stor Pemesan						Dilengkapkan Oleh Stor Pengeluar								
Pegawai Pemesan :			Pegawai Penerima :			Telah Diluluskan dan Direkodkan oleh:			Dikeluarkan dan Direkodkan oleh:					
Nama : Pharmacist FBW			Nama :			Nama : FL User			Nama :					
Jawatan : Pegawai Farnasi U44			Jawatan :			Jawatan : Pegawai Farnasi U48			Jawatan :					
Unit : Farnasi Bekalan Wad (FBW)			Unit :			Unit : Farnasi Logistik			Unit :					
Jabatan : Pharmacy			Jabatan :			Jabatan : Pharmacy			Jabatan :					
Tarikh : 08/01/2018			Tarikh :			Tarikh : 08/01/2018			Tarikh :					
			(Dilengkapkan setelah stok diterima)											
Remark : remarks from issue						BAHAGIAN BUNGKUSAN DAN PENGHANTARAN								
			Butir-butir Bungkus			Butir-butir Penghantaran			Telah dibungkus dan dihantar oleh:					
									Nama :					
									Jawatan :					
									Jabatan :					
									Tarikh :					

iii. Generate Issue Note (in PKU)

KEMENTERIAN KESIHATAN MALAYSIA												Salinan Stor		
Hospital Kulim												KEW.PS-10		
BORANG PESANAN DAN PENGELUARAN STOK														
(Tatacara Pengurusan Stor 136)														
Pemesan : Farmasi Bekalan Wad (FBW)						Pengeluar : Farmasi Logistik								
Dilengkapkan Oleh Stor Pemesan						Dilengkapkan Oleh Stor Pengeluar								
No. Pemesanan: K18019022		Tarikh Pesanan: 08/01/2018		No. Pengeluaran: I02PS001-0024074		Online Issue		Tarikh Pengeluaran: 08/01/2018						
Tarikh Bekalan Dikehendaki:						BAHAGIAN BEKALAN KAWALAN DAN AKAUN						BAHAGIAN SIMPANAN		
No Kod(Drug/Non Drug Code)	Perihal Stok	Kuantiti Dipesan	SKU	No. Kod (Item Code)	Kuantiti Diluluskan	Baki di Stor	PKU	Harga (RM)		Kuantiti Dikeluarkan	Deskripsi Bungkusan	No Kelompok	Tarikh Luput	Catatan
								Seunit	Jumlah					
N05CD08110P3002XX	Midazolam 5 mg/ml Injection	600	amp	N05CD08110P3002XX.0	50	0	pk	14.9150	745.75	50	pack of 10 ampoule	161543T	31/08/2019	
Dilengkapkan Oleh Stor Pemesan						Dilengkapkan Oleh Stor Pengeluar								
Pegawai Pemesan :			Pegawai Penerima :			Telah Diluluskan dan Direkodkan oleh:			Dikeluarkan dan Direkod oleh:					
Nama : Pharmacist FBW			Nama :			Nama : FL User			Nama :					
Jawatan : Pegawai Farmasi U44			Jawatan :			Jawatan : Pegawai Farmasi U48			Jawatan :					
Unit : Farmasi Bekalan Wad (FBW)			Unit :			Unit : Farmasi Logistik			Unit :					
Jabatan : Pharmacy			Jabatan :			Jabatan : Pharmacy			Jabatan :					
Tarikh : 08/01/2018			Tarikh :			Tarikh : 08/01/2018			Tarikh :					
						BAHAGIAN BUNGKUSAN DAN PENGHANTARAN								
Remark :						Butir-butir Bungkusan		Butir-butir Penghantaran		Telah dibungkus dan dihantar oleh:				
										Nama : Jawatan : Jabatan : Tarikh :				

Notes

Cross References

3.2.2.1.2 Application Business Rules

No.	Name	Description
1.	Pemesan	To display indenter information: <ul style="list-style-type: none"> Pemesan – Indenter Name No. Pemesanan – Indent No Tarikh Pesanan – Indent Approve date
2.	Pengeluar	To display supplier information: <ul style="list-style-type: none"> Pengeluar – Supplying Unit Name No Pengeluaran – Issue No and Issue type Tarikh Pengeluaran – Issue date
3.	Item List	Item list will display the following information: <ul style="list-style-type: none"> No Kod(Drug/Non Drug Code) Perihal Stok - Drug/Non Drug Name Kuantiti Dipesan – Indent Quantity SKU/PKU – display in SKU if issued by SKU, else will display as PKU.
4.	Bahagian Bekalan Kawalan dan Akaun	Supplying section will display the following information: <ul style="list-style-type: none"> No Kod (Item Code) Kuantiti Diluluskan – Approved Quantity Baki di Stor – Balance at store Harga - Price



No.	Name	Description
		<ul style="list-style-type: none"> ○ Seunit – Unit Price ○ Jumlah – Total amount ● Kuantiti Dikeluarkan -
5.	Bahagian Simpanan	<p>Store section will display the following information:</p> <ul style="list-style-type: none"> ● Deskripsi Bungkusan – Packaging Description ● No Kelompok – Batch No ● Tarikh Luput – Expiry Date ● Catatan
6.	Stor Pemesan	<ul style="list-style-type: none"> ● Pegawai Pemesan - To display indent approved by <ul style="list-style-type: none"> ○ Nama – User’s name ○ Jawatan – User’s designation ○ Unit – User’s unit ○ Jabatan – User’s department ○ Tarikh – Indent approved date (currently display current date) ● Pegawai Penerima - Blank
7.	Stor Pengeluar	<ul style="list-style-type: none"> ● Telah Diluluskan dan Direkodkan oleh - To display issue approved by <ul style="list-style-type: none"> ○ Nama – User’s name ○ Jawatan – User’s designation ○ Unit – User’s unit ○ Jabatan – User’s department ○ Tarikh – Issue approved date (currently display current date) ● Dikeluarkan dan Direkodkan oleh – will be blank except for ‘Offline issue’. For offline issue it will display issue created by details. <ul style="list-style-type: none"> ○ Nama – User’s name ○ Jawatan – User’s designation ○ Unit – User’s unit ○ Jabatan – User’s department ○ Tarikh – Issue created date
8.	Remark	<p>During indent, it will display remarks capture during indent. During issue it will display remark captured during issue</p>
9.	Bahagian Bungkusan dan Penghantaran	Display empty fields
10.	Generate during indent	<p>If generated during indent, only the following details will be displayed</p> <ul style="list-style-type: none"> ● Pemesan ● Item List ● Stor Pemesan <p>Other section will be blank.</p>
11.	Generate Issue Note	<p>2 copies of form will be generated</p> <ul style="list-style-type: none"> ● Salinan Stor (Store copy) ● Salinan Pemesan (Indenter copy) <p>For Salinan pemesanan, ‘Baki di stor’ (Balance at store) will be 0.</p>



3.2.2.1.3 *Input Validation Rules*

None.



3.13.2.2 KEW.PS-11

3.2.2.2.1 Screen Design

ID	KEW.PS-11												
Description	Borang Permohonan Stok												
Diagram													
i. During Indent													
 KEMENTERIAN KESIHATAN MALAYSIA Hospital Kulim BORANG PERMOHONAN STOK (Tatacara Pengurusan Stok 143) (Untuk kegunaan di stor Unit-diisi dalam 2 salinan)													
KEW.PS-11													
No. Permohonan : K18019023 Tarikh Pesanan : 08/01/2018 No Pengeluaran : Tarikh Pengeluaran :													
Bil.	Permohonan				Pegawai Pelulus								Catatan
	No Kod (Drug/Non Drug Code)	Perihal Stok	Kuantiti Dipesan	SKU	No Kod (Item Code)	Kuantiti Diluluskan	Baki Kuantiti Dipesan	Kuantiti Di bekal	SKU	Deskripsi Bungkusuan	No Kelompok	Tarikh Luput	
1	C03CA01000P3001XX	Frusemide 10mg/ml in 2ml amp (20mg/2ml)	100	amp									
Remarks : (Tandatangan Pemohon) Nama : Pharmacist Hospital Jawatan : Pegawai Farmasi U44 Unit : Farmasi Bekalan Wad - Rx Filling Jabatan : Pharmacy Tarikh : 08/01/2018													
..... (Tandatangan Pegawai Pelulus) Nama : Jawatan : Unit : Jabatan : Tarikh :													
* sila potong yang berkenaan													
Kemaskini Rekod : Stok telah dikeluarkan dan direkod di Kad Petak No (Tandatangan Pegawai Stor) Nama : Jawatan : Tarikh :													
Perakuan Penerimaan : Disahkan bahawa stok yang diluluskan telah diterima (Tandatangan Pemohon) Nama : Jawatan : Tarikh :													
Ini adalah cetakan komputer, tandatangan tidak diperlukan													



ii. Generate Issue Note

KEMENTERIAN KESIHATAN MALAYSIA													Salinan Stor
Hospital Kulim													KEW.PS-11
BORANG PERMOHONAN STOK													
(Tatacara Pengurusan Stor 143)													
(Untuk kegunaan di stor Unit-diisi dalam 2 salinan)													
No. Permohonan :	K17019015					No. Pengeluaran :	I02FBW-0024068						
Tarikh Pesanan :	05/01/2018					Tarikh Pengeluaran :	05/01/2018						
Bil.	Permohonan				Pegawai Pelulus								Catatan
	No. Kod (Drug/Non Drug Code)	Perihal Stok	Kuantiti Dipesan	SKU	No. Kod (Item Code)	Kuantiti Diluluskan	Baki Kuantiti Dipesan	Kuantiti Di bekal	SKU	Deskripsi Bungkuskan	No. Kelompok	Tarikh Luput	
1	M03BX01000T1001XX	Badofen 10 mg Tablet	500	tablet	02.0203.02	500	0	500	tablet	Pack of 50 tabs (Blister)	gg	28/11/2019	
Remarks :													
(Tandatangan Pemohon)						(Tandatangan Pegawai Pelulus)							
Nama : Pharmacist Hospital						Nama : Pharmacist 4							
Jawatan : Pegawai Farmasi U44						Jawatan : Pegawai Farmasi U48							
Unit : Farmasi Bekalan Wad - Rx Filling						Unit : Farmasi Bekalan Wad (FBW)							
Jabatan : Pharmacy						Jabatan : Pharmacy							
Tarikh : 29/12/2017						Tarikh : 05/01/2018							
* sila potong yang berkenaan													
Kemaskini Rekod :						Perakuan Penerimaan :							
Stok telah dikeluarkan dan direkod di Kad Petak No						Disahkan bahawa stok yang diluluskan telah diterima							
(Tandatangan Pegawai Stor)						(Tandatangan Pemohon)							
Nama :						Nama :							
Jawatan :						Jawatan :							
Tarikh :						Tarikh :							

KEMENTERIAN KESIHATAN MALAYSIA													Salinan Pemesan
Hospital Kulim													KEW.PS-11
BORANG PERMOHONAN STOK													
(Tatacara Pengurusan Stor 143)													
(Untuk kegunaan di stor Unit-diisi dalam 2 salinan)													
No. Permohonan :	K17019015					No. Pengeluaran :	I02FBW-0024068						
Tarikh Pesanan :	05/01/2018					Tarikh Pengeluaran :	05/01/2018						
Bil.	Permohonan				Pegawai Pelulus								Catatan
	No. Kod (Drug/Non Drug Code)	Perihal Stok	Kuantiti Dipesan	SKU	No. Kod (Item Code)	Kuantiti Diluluskan	Baki Kuantiti Dipesan	Kuantiti Di bekal	SKU	Deskripsi Bungkuskan	No. Kelompok	Tarikh Luput	
1	M03BX01000T1001XX	Badofen 10 mg Tablet	500	tablet	02.0203.02	500	0	500	tablet	Pack of 50 tabs (Blister)	gg	28/11/2019	
Remarks :													
(Tandatangan Pemohon)						(Tandatangan Pegawai Pelulus)							
Nama : Pharmacist Hospital						Nama : Pharmacist 4							
Jawatan : Pegawai Farmasi U44						Jawatan : Pegawai Farmasi U48							
Unit : Farmasi Bekalan Wad - Rx Filling						Unit : Farmasi Bekalan Wad (FBW)							
Jabatan : Pharmacy						Jabatan : Pharmacy							
Tarikh : 29/12/2017						Tarikh : 05/01/2018							
* sila potong yang berkenaan													
Kemaskini Rekod :						Perakuan Penerimaan :							
Stok telah dikeluarkan dan direkod di Kad Petak No						Disahkan bahawa stok yang diluluskan telah diterima							
(Tandatangan Pegawai Stor)						(Tandatangan Pemohon)							
Nama :						Nama :							
Jawatan :						Jawatan :							
Tarikh :						Tarikh :							

Notes

Cross References

3.2.2.2.2 *Application Business Rules*

No.	Name	Description
1.	Header	To display indenter information: <ul style="list-style-type: none"> No. Permohonan – Indent No Tarikh Pesanan – Indent Approve date No Pengeluaran – Issue No and Issue type Tarikh Pengeluaran – Issue date
2.	Permohonan	Item list will display the following information: <ul style="list-style-type: none"> No Kod(Drug/Non Drug Code) Perihal Stok - Drug/Non Drug Name Kuantiti Dipesan – Indent Quantity SKU/PKU – display in SKU if issued by SKU, else will display as PKU.
3.	Pegawai Pelulus	Supplying section will display the following information: <ul style="list-style-type: none"> No Kod (Item Code) Kuantiti Diluluskan – Approved Quantity Baki Kuantiti Dipesan – Balance at store Kuantiti Dibekal SKU Deskripsi Bungkusan – Packaging Description No Kelompok – Batch No Tarikh Luput – Expiry Date Catatan
4.	Remark	To display remark captured during issue
5.	Pemohon	<ul style="list-style-type: none"> Pemohon - To display indent approved by <ul style="list-style-type: none"> Nama – User’s name Jawatan – User’s designation Unit – User’s unit Jabatan – User’s department Tarikh – Indent approved date For ‘Offline issue’ will displayed the following information only: <ul style="list-style-type: none"> Nama – Requested by Unit - Requester Unit Name
6.	Kelulusan	<ul style="list-style-type: none"> Kelulusan - To display issue approved by <ul style="list-style-type: none"> Nama – User’s name Jawatan – User’s designation Unit – User’s unit Jabatan – User’s department Tarikh – Issue approved date



No.	Name	Description
7.	Kemaskini Rekod	Display empty fields
8.	Perakuan Penerimaan	Display empty fields
9.	Generate during indent	If generated during indent, only the following details will be displayed <ul style="list-style-type: none">• Header• Permohonan• 'Pemohon' details Other section will be blank.
10.	Generate Issue Note	2 copies of form will be generated <ul style="list-style-type: none">• Salinan Stor (Store copy)• Salinan Pemesan (Indenter copy)

3.2.2.2.3 *Input Validation Rules*

None.



3.13.2.3 Own Consumption Report

3.2.2.3.1 Screen Design

ID	OCR																						
Description	Own Consumption Report																						
Diagram																							
<div style="border: 1px solid black; padding: 10px;"> <p style="text-align: center;">KEMENTERIAN KESIHATAN MALAYSIA Hospital Kulim Own Consumption Report</p> <p>Unit Name : Farmasi Klinik Pakar (FKP) Remarks :</p> <p>Issue Number : M02FKP-0024355</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>Date</th> <th>Drug/Non-Drug Code</th> <th>Item Code</th> <th>Item Description</th> <th>Batch No.</th> <th>Expiry Date</th> <th>Quantity</th> <th>SKU</th> <th>Unit Price (\$KU)</th> <th>Quantity Balance (After Deduct)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>28/03/2018</td> <td>A10BF01000T1001XX</td> <td>A10BF01000T1001XX.01</td> <td>Acarbose 50 mg Tablet</td> <td>2658725</td> <td>29/02/2020</td> <td>10</td> <td>tablet</td> <td>0.1090</td> <td>9,990</td> </tr> </tbody> </table> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p>Created By :</p> <p>Nama : Pharmacist OP</p> <p>Jawatan : Pegawai Farmasi UF44</p> <p>Unit : Farmasi Klinik Pakar (FKP)</p> <p>Jabatan : Pharmacy</p> <p>Tarikh : 28/03/2018</p> </div> <div style="width: 45%;"> <p>Approved By :</p> <p>Nama : Pharmacist OP</p> <p>Jawatan : Pegawai Farmasi UF44</p> <p>Unit : Farmasi Klinik Pakar (FKP)</p> <p>Jabatan : Pharmacy</p> <p>Tarikh : 28/03/2018</p> </div> </div> <p style="font-size: small; margin-top: 10px;"> Printed Date : 19/04/2018 Printed By : Pharmacist OP Unit Name : Farmasi Klinik Pakar (FKP) Source : PHIS Page 1 of 1 </p> </div>		No.	Date	Drug/Non-Drug Code	Item Code	Item Description	Batch No.	Expiry Date	Quantity	SKU	Unit Price (\$KU)	Quantity Balance (After Deduct)	1	28/03/2018	A10BF01000T1001XX	A10BF01000T1001XX.01	Acarbose 50 mg Tablet	2658725	29/02/2020	10	tablet	0.1090	9,990
No.	Date	Drug/Non-Drug Code	Item Code	Item Description	Batch No.	Expiry Date	Quantity	SKU	Unit Price (\$KU)	Quantity Balance (After Deduct)													
1	28/03/2018	A10BF01000T1001XX	A10BF01000T1001XX.01	Acarbose 50 mg Tablet	2658725	29/02/2020	10	tablet	0.1090	9,990													
Notes																							
Cross References																							

3.2.2.3.2 Application Business Rules

No.	Name	Description
1.	Header	Header will display the following Information <ul style="list-style-type: none"> Unit Name Issue No Remarks
2.	Item List	Item list will display the following information: <ul style="list-style-type: none"> Date Drug/Non-Drug Code Item Code



No.	Name	Description
		<ul style="list-style-type: none">• Item Description• Batch No• Expiry Date• Quantity• SKU• Unit Price (SKU)• Quantity Balance (After Deduct)
3.	Created by	To display record created by <ul style="list-style-type: none">• Nama – User's name• Jawatan – User's designation• Unit• Jabatan – User's department• Tarikh – Record created date
4.	Approved by	To display record confirmed by <ul style="list-style-type: none">• Nama – User's name• Jawatan – User's designation• Unit• Jabatan – User's department• Tarikh – Record confirmed date

3.2.2.3.3 *Input Validation Rules*

None.



3.13.2.4 Good Receive Note

3.2.2.4.1 Screen Design

ID	GRN
Description	Good Receive Note
Diagram	
Notes	
Cross References	

3.2.2.4.2 Application Business Rules

No.	Name	Description
1.	Header	Header will display the following Information <ul style="list-style-type: none"> • Unit Name • Receipt No. • Receive From • Receive Type • Issue Note No • Date Created • Receive Date



No.	Name	Description
2.	Item List	Item list will display the following information: <ul style="list-style-type: none">• Item Code• Item Description• Batch No• Expiry Date• Receive Quantity• SKU• Unit Price (RM)• Amount (RM)
3.	Disediakan Oleh	To display record created by <ul style="list-style-type: none">• Nama – User's name• Jawatan – User's designation• Jabatan – User's department• Tarikh – Record created date

3.2.2.4.3 Input Validation Rules

None.



3.13.2.5 KEW.PS-1

3.2.2.5.1 Screen Design

ID	KEW.PS-1						
Description	Borang Terimaan Barang-Barang (BTB)						
Diagram							
<p>Notes</p>							
<p>Cross References</p>							

3.2.2.5.2 Application Business Rules

No.	Name	Description
1.	Header	Header will display the following Information <ul style="list-style-type: none"> • Nama dan Alamat Pembekal • Butir-butir Bungkus • Butir-butir Penghantaran • No. Pesanan Kerajaan • No. Penerimaan • Tarikh Barang Diterima
2.	Item List	Item list will display the following information: <ul style="list-style-type: none"> • No Kod- Item Code • Perihal Barang-parang - Item Description • Perihal Pembungkusan – Packaging Description



No.	Name	Description
		<ul style="list-style-type: none">• Unit Pengukuran (PKU) - UOM• Kuantiti Dipesan – Order Quantity• Kuantiti Diterima - Receive Quantity• Harga Seunit - Unit Price (RM)• Harga Jumlah - Amount (RM)• Catatan - Remarks
3.	Pegawai Penerima	To display record created by <ul style="list-style-type: none">• Nama – User's name• Jawatan – User's designation• Unit – User's Unit• Jabatan – User's department• Tarikh – Record created date
4.	Pegawai Pengesah	To display record approved by <ul style="list-style-type: none">• Nama – User's name• Jawatan – User's designation• Unit – User's Unit• Jabatan – User's department• Tarikh – Record created date

3.2.2.5.3 Input Validation Rules

None.



Notes	
Cross References	

3.2.2.6.2 Application Business Rules

No.	Name	Description
1.	Header	Header will display the following Information <ul style="list-style-type: none">• Unit Pengeluar• Unit Penerima• Kuantiti• Tarikh• No. Nota Pemindahan
2.	Item List	Item list will display the following information: <ul style="list-style-type: none">• Perihal Barang - Item Description• Kod Barang - Item Code• SKU• Kuantiti Di pohon – Request Quantity• Kuantiti Di bekal – Supply Quantity• Harga Seunit (RM) – Unit Price• Jumlah Kos (RM) – Total Amount• No Kelompok - Batch No• Tarikh Luput - Expiry Date
3.	Dipesan Oleh	To display requester information <ul style="list-style-type: none">• Tarikh - Blank• Nama – Requester name• Jawatan – User's designation
4.	Diluluskan Oleh	To display approver information by (Supplier) <ul style="list-style-type: none">• Tarikh - Blank• Nama – Approver name• Jawatan – User's designation
5.	Diterima oleh	Receiver information <ul style="list-style-type: none">• Tarikh - Blank• Nama – Blank• Jawatan - Blank

3.2.2.6.3 Input Validation Rules

None.

3.13.3 Integration

None





4. References

Document	Description/ Expansion
PhIS_CPS_URS_Pharmacy Inventory V1.3	User Requirement Specification document for Pharmacy Inventory module
PhIS_CPS_SDD_Inventory_Finance&Procurement_v1.0	System Design Document for Pharmacy Inventory (Finance and Procurement)

5. Acronyms

Item	Description
FIFI	First Indent First Issue
GRN	Good Receive Note
RCL	Recommended Condemn List
RIL	Recommended Indent List
RIQ	Recommended Issue Quantity

6. Appendix

6.1 Transaction Code

No	Function	Type	Format
1.	Indent	Intra Facility	[K][YY][000000] <ul style="list-style-type: none"> K = Transaction Code YY = Current financial year 000000 = 6 integer running number will reset yearly Seq_name=PH_RIL_HDRS_adh_seq E.g.: K17000123
2.		Inter Facility (Out)	[R][YY][000000] <ul style="list-style-type: none"> R = Transaction Code YY = Current financial year 000000 = 6 integer running number will reset yearly Seq_name=PH_RIL_HDRS_adh_seq E.g.: R17000123= Current financial year
3.		Inter Facility (In)	[R][YY][State][Unit] - [0000000] <ul style="list-style-type: none"> R = Transaction Code YY = Current financial year State = State Code Unit – Supplying Unit Code 0000000 = 7 integer running number will reset yearly Seq_name=PH_RIL_HDRS_adh_seq E.g.: R1801PS001-0001234
4.	Issue	Direct Issue	[D][State][Unit] –[0000000] <ul style="list-style-type: none"> D = Transaction Code State – State Code Unit – Supplying unit Code [0000000] = 7 integer running number will reset yearly Seq_name=ph_issue_hdrs_di_adh_seq E.g.: D180000620
5.		Manual (Offline Issue & Own Consumption)	[M][State][Unit] - [0000000] <ul style="list-style-type: none"> M = Transaction Code State = State Code Unit – Supplying Unit Code 0000000 = 7 integer running number will reset yearly Seq_name=ph_mannual_issue_adh_seq E.g.: M02FBW-0001234 , M02PS001-0051705
6.		Ward/Unit Stock	[F][State][Unit] - [0000000] <ul style="list-style-type: none"> FM = Transaction Code State = State Code



No	Function	Type	Format
			<ul style="list-style-type: none"> Unit – Supplying Unit Code 0000000 = 7 integer running number will reset yearly Seq_name=ph_issue_hdrs_fs_adh_seq E.g.: F02FBW-0001234
7.		Online Issue (In)	[I][State][Unit] - [0000000] <ul style="list-style-type: none"> I = Transaction Code(I) State = State Code(02) Unit – Supplying Unit Code(PS001) 0000000 = 7 integer running number will reset yearly Seq_name=ph_issue_hdrs_adh_seq E.g.: I02FBW-0001234
8.		Online Issue (External)	[E][State][Unit] - [0000000] <ul style="list-style-type: none"> E = Transaction Code State = State Code Unit – Supplying Unit Code 0000000 = 7 integer running number will reset yearly Seq_name=ph_issue_hdrs_ai_adh_seq E.g.: E02FBW-0001234
9.		Online Issue (Old Code)	[N][State] - [0000000] <ul style="list-style-type: none"> N = Transaction Code State = State Code 0000000 = 7 integer running number E.g.: N02-0022424
10.		Issue Note No	[N][State][Unit] - [0000000] <ul style="list-style-type: none"> I/N/D/M/E = Transaction Code State = State Code Unit – Supplying Unit Code 0000000 = 7 integer running number will reset yearly Seq_name=ph_mannual_issue_adh_seq E.g.: N02FBW-0001234 , N02PS001-0051705
11.	Receive	Intra Facility	[RI][YY][000000] <ul style="list-style-type: none"> RI = Transaction Code YY = Current financial year 000000 = 6 integer running number will reset yearly Seq_name=ph_receipt_no_adh_seq E.g.: RI18000123
12.		Inter Facility & Supplier	[P][YY][0000000] <ul style="list-style-type: none"> P = Transaction Code YY = Current financial year 0000000 = 7 integer running number will reset yearly Seq_name=ph_receive_ext_reci_adh_seq



No	Function	Type	Format
			<ul style="list-style-type: none"> E.g.: P170001234
13.	Stock Transfer	Transfer No	[T][YY][0000000] <ul style="list-style-type: none"> T = Transaction Code YY = Current financial year 0000000 = 7 integer running number will reset yearly Seq_name=ph_stock_trnfr_hdrs_adh_seq E.g.:T170001234
14.		Transfer Note No	[N][State][Unit] - [0000000] <ul style="list-style-type: none"> N = Transaction Code State = State Code Unit – Requester Unit Code 0000000 = 7 integer running number will reset yearly Seq_name= ph_stock_trnfr_rpt_adh_seq E.g.: N02FBW-0001234 , N02PS001-0051705
15.	Stock Tacking & Verification	Physical Checking	[ST][YY][000000] <ul style="list-style-type: none"> ST = Transaction Code YY = Current financial year 000000 = 6 integer running number will reset yearly Seq_name=ph_phy_checking_adh_seq E.g.: ST17000123
16.		Count Sheet	[CS][YY][000000] <ul style="list-style-type: none"> CS = Transaction Code YY = Current financial year 000000 = 6 integer running number will reset yearly Seq_name=ph_countsheetno_adh_seq CS18000051 E.g.: CS17000123
17.		Stock Adjustment	[SA][YY][000000] <ul style="list-style-type: none"> SA = Transaction Code YY = Current financial year 000000 = 6 integer running number will reset yearly Seq_name=ph_adjustment_adh_seq E.g.: SA17000123
18.	Product Quality	Product Recall	[RN][YY][000000] <ul style="list-style-type: none"> RN = Transaction Code YY = Current financial year 000000 = 6 integer running number will reset yearly Seq_name=ph_recallnotino_adh_seq E.g.: RN17000123
19.		Product Complaints	[PC][YY][000000]



No	Function	Type	Format
			<ul style="list-style-type: none"> PC = Transaction Code YY = Current financial year 000000 = 6 integer running number will reset yearly Seq_name=ph_prodcomplaints_adh_seq E.g.: PC17000123
20.		Quarantine	[QT][YY][000000] <ul style="list-style-type: none"> QT = Transaction Code YY = Current financial year 000000 = 6 integer running number will reset yearly Seq_name=ph_quarantine_adh_seq E.g.: QT17000123
21.	Expiration and Condemn	Near Expiration Item	[E][YY][0000000] <ul style="list-style-type: none"> E = Transaction Code YY = Current financial year 0000000 = 7 integer running number will reset yearly Seq_name=ph_near_exp_adh_seq E.g.: E170001234
22.		Generate RCL	[RC][YY][000000] <ul style="list-style-type: none"> RC = Transaction Code YY = Current financial year 000000 = 6 integer running number will reset yearly Seq_name=ph_rcl_adh_seq E.g.: RC17000123
23.		Condemn	[C][YY][0000000] <ul style="list-style-type: none"> C = Transaction Code YY = Current financial year 0000000 = 7 integer running number will reset yearly Seq_name=ph_condemn_adh_seq E.g.: C170001234
24.	Return Item	Return to Supplying Unit	[RT][YY][000000] <ul style="list-style-type: none"> RT = Transaction Code YY = Current financial year 000000 = 6 integer running number will reset yearly Seq_name=ph_return_Int_Hdrs_adh_seq E.g.: RT17000123
25.		Return to Supplier	[T][YY][0000000] <ul style="list-style-type: none"> RT = Transaction Code YY = Current financial year 0000000 = 7 integer running number will reset yearly Seq_name=ph_retn_sup_retn_no_adh_seq T180000023

No	Function	Type	Format
			E.g.: T170001234
26.	Others	Slow Moving	[SM][YY][000000] <ul style="list-style-type: none"> SM = Transaction Code YY = Current financial year 000000 = 6 integer running number will reset yearly Seq_name=ph_slowmoving_adh_seq E.g.: SM17000123
27.		Notification	[NO][YY][000000] <ul style="list-style-type: none"> NO = Transaction Code YY = Current financial year 000000 = 6 integer running number will reset yearly Seq_name=ph_notification_adh_seq E.g.: NO17000123

6.2 Transaction status

6.2.1 Indent Status – Intra Facility

Function	Indent Intra-Facility	Indent Status	Approval Status	RIQ Status
Indent	Create new	Open	-	-
	Save as draft	Open	-	-
	Cancel Indent	Cancel	-	-
	Send for approval	Open	Pending for approval	-
	Reject Indent	Closed	Rejected	-
	Approve Indent	Open	Approved	Open
RIQ	Reject RIQ	Closed	Rejected	Close
	Save RIQ	Open	Approved	Draft
	Rejected (after save)	Closed	Rejected	Close
	Approved for Partial Supply	<ul style="list-style-type: none"> Open In online issue screen, indent status displayed as 'Partially Supply' 	Approved	Approved
	Approved for Fully Supplied	Closed	Approved	Approved

6.2.2 Indent Status – Inter Facility

Function	Indent Inter-Facility	Indent Status	Approval Status	Sent to Facility Status
Indent	Create new	Open	-	-



(Sending request)	Save as draft	Open	-	No
	Cancel Indent	Cancel	-	No
	Send for approval	Open	Pending for approval	No
	Reject Indent	Closed	Rejected	No
	Approve Indent (Auto send not success)	Open	Approved	No
	Successfully send the indent (able to send manually if auto send fail)	Open	Approved	Yes
Indent (Receive request)	Retrieve Indent	Open	Pending for approval	Yes
	Reject	Closed	Rejected	Yes
	Approve	Open	Approved	Yes

6.2.3 Issue Status – Online Issue (RIQ)

Function	Online Issue (RIQ)	Issue Status	Receiving Flag	Receiving Status
Issue	New record	Approved	No	Open
	Generate Issue Note	Approved	Yes	Open
Receiving	Save	Approved	Yes	Close

6.2.4 Issue Status – Offline Issue

Function	Offline Issue	Issue Status	Receiving Flag
Issue	Create new	Open	-
	Save as draft	Open	No
	Cancel Indent	Cancelled	No
	Send for approval	Pending for Approval	No
	Reject Indent	Rejected	No
	Approve Indent	Approved	Yes



6.3 Label

6.3.1 Ward Stock label

Ward 4 - Medical (Female)			Ward 4 - Medical (Female)		
Ipratropium Br 0.5mg, Salbutamol 2.5			Ipratropium Br 0.5mg, Salbutamol 2.5		
Qty : 5	SKU : amp	Unit Price 0.6200	Qty : 5	SKU : amp	Unit Price 0.6200
Batch No : HB370297		Exp Date : 2019-10-31	Batch No : HB370297		Exp Date : 2019-10-31
Remarks: Ipratropium Br 0.5mg, Salbutamol 2.5mg Neb (UDV) xxxxxxxx			Remarks: Ipratropium Br 0.5mg, Salbutamol 2.5mg Neb (UDV) xxxxxxxx		
Ward 4 - Medical (Female)			Ward 4 - Medical (Female)		
Ipratropium Br 0.5mg, Salbutamol 2.5			Ipratropium Br 0.5mg, Salbutamol 2.5		
Qty : 5	SKU : amp	Unit Price 0.6200	Qty : 5	SKU : amp	Unit Price 0.6200
Batch No : HB370297		Exp Date : 2019-10-31	Batch No : HB370297		Exp Date : 2019-10-31
Remarks: Ipratropium Br 0.5mg, Salbutamol 2.5mg Neb (UDV) xxxxxxxx			Remarks: Ipratropium Br 0.5mg, Salbutamol 2.5mg Neb (UDV) xxxxxxxx		

Name	:	Ward/Unit Stock Label																					
Label Size	:	600 mm x 900 mm																					
Quantity	:	4 labels per page																					
Format	:	<table border="1"> <tr> <td colspan="3" style="text-align: center;">(Requester Unit Name)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Ward 4 – Medical (Female)</td> </tr> <tr> <td colspan="3" style="text-align: center;">(Drug Name)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Ipratropium Br 0.5mg, Salbutamol 2.5mg</td> </tr> <tr> <td>Qty: 5 (Issue Quantity)</td> <td>SKU: amp (Item SKU)</td> <td>Unit 0.6200 Price</td> </tr> <tr> <td colspan="2">Batch No: HB370297 (Batch No)</td> <td>Exp Date: 2019-10-31</td> </tr> <tr> <td colspan="3">Remarks: (Drug Remarks enter during stock replenish)</td> </tr> </table>	(Requester Unit Name)			Ward 4 – Medical (Female)			(Drug Name)			Ipratropium Br 0.5mg, Salbutamol 2.5mg			Qty: 5 (Issue Quantity)	SKU: amp (Item SKU)	Unit 0.6200 Price	Batch No: HB370297 (Batch No)		Exp Date: 2019-10-31	Remarks: (Drug Remarks enter during stock replenish)		
(Requester Unit Name)																							
Ward 4 – Medical (Female)																							
(Drug Name)																							
Ipratropium Br 0.5mg, Salbutamol 2.5mg																							
Qty: 5 (Issue Quantity)	SKU: amp (Item SKU)	Unit 0.6200 Price																					
Batch No: HB370297 (Batch No)		Exp Date: 2019-10-31																					
Remarks: (Drug Remarks enter during stock replenish)																							



6.4 Formula

6.4.1 Calculate Average Price

➤ **Average Price Formula (receive in SKU) :**

Current Price = Stock Available Quantity in SKU * Current Average Price(SKU)

New Receive Price = Receive Quantity in SKU * New Unit Price in SKU)

New Stock Quantity = Stock Available Quantity in SKU + Receive Quantity in SKU

Average Price = (Current Price + New Receive Price) / New Stock Quantity

➤ **Average Price Formula (receive in PKU) :**

Current Price = (Stock Available Quantity in SKU / Conversion Factor) * Current Average Price(PKU)

New Receive Price = Receive Quantity in PKU * New Unit Price in PKU)

New Stock Quantity = (Stock Available Quantity in SKU / Conversion Factor) + Receive Quantity in PKU

Average Price = (Current Price + New Receive Price) / New Stock Quantity

Recalculate average price apply to below transaction:

Receiving Type/ Level	Receive Inter-Facility				Receive from Supplier
	Online Normal	Online SPUB	Online Manufacturing	Manual	All Type
Main Store	Yes	Yes	Yes	Yes	Yes
Level 2/3	No	No	Yes	No	NA