DC RF System for AEON Malaysia	Version : 1.0.6
User Manual	Date : 03/20/2012
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User Manual of DC RF System for AEON Malaysia

(Version 1.0.6)





Prepared by: Zhiwen Deng, Schmidt IDTDate: Mar 20, 2012Document: AEON MY - User Manual of DC RF System v1.0.6.doc

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Revision History

Date	Version	Description	Modified By
01/25/2010	1.0.0	Initial version	Zhiwen Deng
05/17/2010	1.0.1	1. Browse of all functions were changed.	Zhiwen Deng
		2. The operation flow of Stock-Point picking was changed.	
		3. The operation flow of X-Dock Consolidation Sorting was changed.	
06/09/2010	1.0.2	1. Complete all the DO only 1 time. After user completed the DO, HHT system will send all the DO data to PROFIT at once.	Zhiwen Deng
06/17/2010	1.0.3	1. Update the image of screen Load Manifest-Confirmation.	Zhiwen Deng
06/30/2010	1.0.4	1. In X-Dock Consolidation Sorting, add two screen to display stores and items that still pending to sort.	Zhiwen Deng
04/15/2011	1.0.5	Block key in by keypad for certain function in DC RF program.	Zhiwen Deng
		1. Stockpoint Receiving	
		- DO Numberr	
		- Barcode/Item	
		2. Receiving by Store	
		- DO Number	
		- Cartrack Number	
		- Barcode/Item	
		3. Consolidation Receiving	
		- DO Number	
3/20/2012	1.0.6	Change Jusco to AEON	Li xin qiang

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1. Introduction

This document is intended to describe how to use the AEON Malaysia DC RF system. The DC RF system was developed by Schmidt and it includes Data Transfer with PROFIT under UNIX platform, RF Data Transfer for online operation, and mobile application on the terminal MC3090 of WinCE platforms. The following functions are provided in HHT program for data capture of transaction operation in AEON Malaysia DC:

1) Stock-Point Operations

- Stock-Point Receiving
- Stock-Point Picking

2) X-Dock Operations

- X-Dock Receiving by Store
- Consolidation Receiving
- Consolidation Sorting
- X-Dock Combine

3) Loading

- Load Adjustment
- Delivery Information
- Load Manifest

The following abbreviations are used in this document:

ННС, ННТ	: Handheld Computer (MC3090 terminals)
CE.NET	: Windows Embedded OS CE.NET is used in MC3090
PC	: Personal Computer

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2. System Requirement

2.1 Hardware Requirement

Components	Hardware requirement		
RF Server	As database and application sever machine for central database		
	connection for RF application.		
	CPU	Inter P4 Xeon 3.0G (Quad-core)	
	Memory	4G Ecc	
	Hard disk	SCSI 146G X 2 (Raid 0+1). Configuration Requirement:	
		- Use server hard disk C drive for	
		system software installation.	
		- Install software include: Windows OS,	
		SQL Server 2005, DC RF System, and	
		etc.	
		- Use server hard disk D driver for	
		database storage.	
	Network Card	100M	
PC Workstation	PC workstation for data query and reporting.		
	CPU	P4 1.6G	
	Memory	At least 512M and recommend is 1G	
	Hard disk	At least 20G and recommend is 40G available	
	Network Card	100M	
	Communication Port	USB	
Report Printer	Receipt/Report Printer: Laser / Receipt printer		
L	Laser / dot-matrix receipt printer for operation receipt or report printing.		
Label Printer	Barcode Label Printer: SATO CL408 or Zebra barcode label printer.		
HHT (MC3090)	RF terminal for DC ope	ration in 3 DCs.	
	CPU	Intel Xscale 520Mhz.	
	ROM	64M	
	RAM	64M	

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2.2 Software Requirement

Application	S	oftware Requirement
RF Server	Operation System	Windows Svr Ent 2003 R2 English OLP NL (32bit OS)
		Microsoft .NET Framework 2.0 or above
		IIS Web Server 5.0 or later version
		IE 6.0 or later version
		FTP Server for program version upgrade
	Database	SQL Svr Std Edtn 2005 Win32 English 1 Proc
	Application Software	DC RF System - Interface Service Program for PROFIT - Schmidt Web Service Middleware
PC Workstation	Operation System	Windows 2000 Prof. / XP / Vista (32 bit OS)
		Windows Installer 3.1
		Microsoft .NET Framework 2.0 or above
		IE 6.0 or later version
	Application Software	DC RF System
HHT (MC3090)	OS	CE.NET 5.0 for new terminals
		DC RF System
		- RF Application
	Application Software	- Schmidt Web Service Client
		- Schmidt Auto-upgrade Software Client

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3. HHT Application

3.1 System Register

Run this HHT program in handheld first time, there will request user to register as the following screen.

Register		
Please register first and then use this application program		
You can get the application register code when you inform of code in the identification box to Schmidt.		
ID: 18566D6F0242469D		
Register code		
Register	Cancel	
🐉 🧖 Register		

Figure 3.1.1 – System Register Screen

Input the Register code in the input box in the form of Figure 3.1.1 and press then [ENT] button in handheld keyboard or click the [Register] button to submit the register data. You can get the register code from Schmidt.

If the register code is incorrect, program will prompt an error message as Figure 3.1.2(a) and request user to re-input, else will prompt the register successfully message as Figure 3.1.2(b).



Figure 3.1.2 – Message screen of System Register

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When register successfully, program will go to the splash screen to check the version for auto upgrade as Figure 3.2.

3.2 Software Auto upgrade

The splash screen will show to check version and upgrade when there have new version of the program as below.



Figure 3.2.1 – The splash screen

When there have new version for the program to upgrade, the program will connect to the upgrade server to download the upgrade files and recover the old files. When upgrade successfully, the program will exit, user have to restart the program manually. If no need to upgrade, program will go to the Login screen as Figure 3.3.1.

3.3 Login

When application is started, the "Login" screen will display as below. The HHT application provides user access control for security, only authorized user can log into the system.

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Login	
∕€ON	DC RF System))
DC RI	F System For AEON Malaysia Version 1.0.0
Ŵ	arehouse: 001
	HHC ID: 18566D6F0242469D
U	ser Name:
	Password:
	Login
🦺 🥵 Logi	·

Figure 3.3.1 – The Login screen

When the form has loaded, the field "Warehouse" and "HHC ID" will display automatically. User need to input his "User Name" and "Password" to login.

There have two ways to submit the login information:

1).Input User Name and Password, then press the [ENT] key in the handheld keyboard.

2).Input User Name and Password, then click the [Login] button in the Login screen.

There have two ways to exit the program too:

1).Click the [Exit] button in the Login screen.

2).Press the [Esc] key in the handheld keyboard.

If user input the incorrect User Name or Password, program will prompt a warning message as below.



Figure 3.3.2 – Message screen of Login

When login successfully, program will go to the main menu screen as Figure 3.4.1.

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3.4 Main Menu

After user log into HHT application, program displays the available functions in main menu by assigned function list for the user group which relevant to the login user. The HHT application lists the available functions in Main Menu screen. User can click the corresponding button to activate the relevant functional operation.



Figure 3.4.1 – The Main Menu screen

The following buttons are available in "Main Menu" screen:

Button	Event
1) [1. Stock-Point Operations]	Click and go to "Stock-Point Operations" function option screen.
2) [2. X-Dock Operations]	Click and go to "X-Dock Operations" function option screen.
3) [3. Loading]	Click and go to "Loading" option screen.
4) [4. System Settings]	Click and go to "System Settings" function.
5) [0. System Logout]	Click and return to Login Screen

3.5 System Settings

After select the "System Settings" function in the main menu screen as Figure 3.4.1, program will display the following System settings screen. This screen will display the settings about

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Warehouse, HHT ID, System Date and System Time.

System Settings	
Warehouse: HHT ID:	001 18566D6F0242469D
System Date:	25/02/2010 DD/MM/YYYY
System Time:	11:04:47 HH:MM:DD
OK	Cancel
🐉 🥵 System Settin	es 🛞 🥪 대 💕 🏓 着

Figure 3.5.1 – The System Settings screen

The following buttons are available in "System Settings" screens:

Button	Event
1) [OK]	Click to return to Main Menu.
2) [Cancel]	Click to return to Main Menu.

3.6 Stock-Point Operations

After selected the "Stock-Point Operations" in the main menu screen as Figure 3.4.1, the following Stock-Point Operations screen will be displayed.

Stock-Poin	t Operations	
	1. Receiving	
	2. Picking	
	0. Exit	
🐉 🧖 Sto	ck-Point Oper 🗃 🈏 CH 🔰 🖇	7 🔁

Figure 3.6.1 – Stock-Point Operations screen

User can click the relation button or enter the relation number to enter the function or return to the

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main menu screen.

The following buttons are available in sub-menu of "Stock-Point Operations" screen:

Button	Event
1) [Receiving]	Click and go to "Receiving" function.
2) [Picking]	Click and go to "Picking" function.
3) [Exit]	Close the current function and return to "3.4.1 Main
	Menu" screen.

3.7 Stock-Point Receiving

The function "Stock-Point Receiving" is used to receiving goods from supplier according to DO No. After selected "Receiving" function in the Stock-Point Operations screen, program will enter the Stock-Point Receiving function and display the following receiving input screen.

Stock-Poin	t Receiving		
DO NO.:			
Supplier: Delivery D)ate:		
Bay Num	per:		
Barcode/I	item:		
Item Des	cription:	Item Code:	
			A
Pack:	Size:	Color:	
Order Qty	4	UOM:	
Confirm Q	ТҮ: 🔽		
Enter	Browse	Complete	Exit
🐉 🧟 Stoc	k-Point Receiv	rina 🛛 📾 🍛 🚳	07 🗭 🔁

Figure 3.7.1 – Input Screen of Stock-Point Receiving

For Data Input – The operation steps are listed as below for Stock-Point Receiving:

- 1) Scan DO NO in field "DO No.".
 - If DO No. can be found in back end database of DC RF system, the information of the current DO will be displayed as Figure 3.7.2, that include: supplier, delivery date, number of received and total item in the current DO; else program will clear all fields in the screen and prompt an error message as Figure 3.7.4.

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• If the current DO has been completed and printed the receiving note, program will prompt a message as Figure 3.7.3 to let user to confirm to re-print the receiving note or not.

Stock-Point Receiving					
DO NO.:	8004:	100000	0024	1/2	
Supplier:	00000	76325	KOH I		
Delivery Date:	13/05	/2010			
Bay Number:					
Barcode/Item:					
Item Description: Item Code:					
	-		~ 1		$\overline{}$
Pack:	Size:		Color:		
Order Qty: UOM:					
Confirm QTY:					
Enter Bro	wse	Com	plete	Exit	
💐 🧟 Stock-Point Receiving 🛛 🕀 🍉 🚳 📝 🏴 😤					

Figure 3.7.2 – Input Screen of Stock-Point Receiving -> DO NO Input

Stock-Point Rec	eiving			
DO NO.:	80041	000000021		
Supplier:				
Delivery Date:				
BayDC_RF_Sys	tem		\times	
Bar 💿 The		100000021 k	as heen	
Ite 🖓 prin	ted.Do yo	u wish to Rep	rint?	
	Yes	No		 ▼
Pac k:	size:	Color	:	-
Order Qty:		UOM	1:	
Confirm QTY:				
Enter	owse	Complete	Exit	
💦 🥵 Stock-Poir	nt Receivin	a 🔞 😼	SI 🗗 🔽	

Figure 3.7.3 – Input Screen of Stock-Point Receiving -> Re-print

When user choose to re-print, program will send a command to the DC Server to reprint the current receiving note and clear all fields in the input screen of Stock-Point Receiving, if user choose not to re-print, program will clear all fields in the input screen of Stock-Point Receiving to let user to rescan/re-input an un-receiving DO.

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Stock-Poin	t Receiving		
DO NO.:			
Supplier: Delivery D)ate:		
Bay Num		tom OV	~
Barcode/I	DC_RF_Sys		×.
Item Des	i DO	does not found.	
Pack:	Size:	Color	·:
Order Qty	e	UOM	1:
Confirm Q	TY: 🔽		
Enter	Browse	Complete	Exit
🐉 🔍 Stoc	k-Point Recei	vina 🛛 📾 S	sof 🔽 🛱

Figure 3.7.4 – Input Screen of Stock-Point Receiving -> DO not found.

- 2) Input "Bay Number";
- 3) Scan Barcode/Item Code of merchandise in field "Barcode/Item". If item can't be found in back end database, or does not belong to the current DO No. program prompt error message "Item does not found" or "Item does not belong to the current DO." as Figure 3.7.5(a); else program displays item information as Figure 3.7.5(b) which includes barcode, item code, item description, pack, , size, color, UOM and order quantity, and order quantity will be set in field "Confirm Qty" as default value;

Stock-Point Receiving	Stock-Point Receiving
DO NO.: 8004100000024 1/2	DO NO.: 8004100000024 1/2
Supplier: 0000076325 KOH I	Supplier: 0000076325 KOH I
Delivery Date: 13/05/2010	Delivery Date: 13/05/2010
Bay Number 888	Bay Number: 888
Barco	Barcode/Item: 001400835
Item Item not found or is editing by other user.	Item Description: Item Code: 001400835 26CM JUSCO SELECTION FRYING PAN *9/05
Pack: Size: Color:	Pack:1 Size: Color:
Order Qty: UOM:	Order Qty: 20000 UOM: EACH
Confirm QTY:	Confirm QTY: 19870 130
Enter Browse Complete Exit	Enter Browse Complete Exit
🐉 🕵 Stock-Point Receiving 🛛 🗑 🌫 🚳 💕 🏓 🗟	💐 🕵 Stock-Point Receiving 🛛 🗑 🕪 🔞 📝 🔁
<i>(a)</i>	(b)

Figure 3.7.5 – Input Screen of Stock-Point Receiving -> Item Input

- 4) User can re-input confirm quantity in field "Confirm Qty:";
- 5) Press "Enter" key in field "Confirm Qty" or click button "Enter" to save current record; Program will prompt warning message as Figure 3.7.6 to user if operation is not compliant with the business rule:
 - Confirm QTY is not equal to order QTY;

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Stock-Point Reco	eiving		Stock-Point Rec	eiving		
DO NO.:	8004100000024	1/2	DO NO.:	8004100000	00024 1/2	
Supplier:	0000076325 KOH I		Supplier:	0000076325	KOH I	
Delivery Date:	13/05/2010		Delivery Date:	13/05/2010		
Bay DC_RF_Sys	tem	\times	Bay	000		
Bard 💿 con	ifirm OTY is not equal to	order	Bar DC_RF_Syst	tem	OK ×	
Iten 🖓 QT	Y.	5	Iter (i) Conf	firm QTY can no	t be larger than	5
26C	Yes	v 🖌 🔺	260 orde	er QTY.Confirm (QTY=198830.	
*9/0		-	*9/			-
Pack : I	Size: Color:		Pack:1	Size:	Color:	
Order Qty: 200	00 UOM: I	EACH	Order Qty: 200	00	UOM; EACH	
Confirm QTY:	20 13	0	Confirm QTY:	198700	130	
Enter Bro	Complete	Exit	Enter Bro	Com	iplete Exit	
💐 🥵 Stock-Point	t Receiving 🛛 🗑 🎐 🔇	01 🗩 🗟	💦 🕵 Stock-Poin	t Receiving	🕲 🎐 🖏 🔰 🏓	12

Figure 3.7.6 – Input Screen of Stock-Point Receiving - > Confirm Qty

- 6) Repeat steps 4 to 7 for more goods receiving in the current DO;
- User can press ESC key [CLR] on terminal keypad or click "Bayer Number" text box to set input focus for Bay number input if need to change;
- 8) If all goods receiving of the current DO have been completed, program will prompt message as *Figure 3.7.7* (a) to inform user; or if user directly press button [Complete] to confirm goods receiving completed even still have open item records but no physical goods can be received, then program will prompt message with how many item still pending as *Figure 3.7.7* (b) to inform user:

Stock-Point Receiving	Stock-Point Receiving
DO NO.: 8004100000024 2/2	DO NO.: 8004100000024 1/2
Supplier: 0000076325 KOH I	Supplier: 0000076325 KOH I
Delivery Date: 13/05/2010	Delivery Date: 13/05/2010
Bay DC_RF_System	BayDC_RF_System
Bar 🧿 All receiving completed.Do you wish	Bar 🧿 1 item(s) still pending to receive.Do
Iter to close current DO?	Iter you wish to close current DO?
Yes No	Yes No 🗸
Pack: Size: Color:	Pack: Size: Color:
Order Qty: UOM:	Order Qty: UOM:
Confirm QTY:	Confirm QTY:
Enter Browse Complete Exit	Enter Browse Complete Exit
🐉 👷 Stock-Point Receiving 🛛 🗑 🎐 😒 📝 🔁	鸄 🥵 Stock-Point Receiving 🛛 🗑 🌫 🚳 💕 🏸 🖷
(a)	(b)

Figure 3.7.7 – Input Screen of Stock-Point Receiving -> Complete Confirmation

9) User can click button "No", program will keep in the previous screen. If user click button "Yes", then program will prompt a message as Figure 3.7.8 to inform user that goods receiving completed and send upload data to PROFIT to print Receiving Note directly:

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Stock-Point Rece	eiving		
DO NO.:	80041000000	024 2/2	
Supplier:	0000076325 k	KOH I	
Delivery Date:	13/05/2010		
Bay Alumbari			
Bard	tem	ок 🗙	
Item Data will be upload to PROFIT to print Receiving Note.			
Pack:	Size: (Color:	
Order Qty:	l	UOM:	
Confirm QTY:			
Enter Bro	wse	lete Exit	
💦 🧟 Stock-Point Receiving 🛛 🗑 🍛 🚳 💅 🏴 着			

Figure 3.7.8 – Input Screen of Stock-Point Receiving -> Complete

- After complete previous DO receiving, program will close the current PO and clear all field of screen, and cursor will be replaced to field "DO No.", program waiting for scan or input another DO barcode;
- 11) Repeat steps 1 to 12 for next DO No. and other goods receiving;
- 12) User can press button [Exit] to close the current function and return to Stock-Point Receiving Option menu screen.

The fallering h	anttoma one orreitable in	"Inmast Company	of Cho als Daint	Decelerine" compose
The following r	ninons are available if	i indii Screen	OF STOCK-POINT	Receiving screen
ine rono mig e		i inpactoricen	or brook r onne	iteeeiing bereen.

Button	Event
1) [Enter]	Click and save current record.
2) [Browse]	Click and browse all goods that belong to the current DO No.
3) [Complete]	Click and confirm goods receiving have been completed and upload data to PROFIT to print receiving note.
4) [Exit]	Whatever user has finished receiving or not for current DO No., close the current function and return to "3.6.1 Stock-Point Operations" menu screen.

<u>Remark:</u>

- 1) There are 4 input modes for all field which scan barcode of program:
 - a) scan barcode;
 - b) scan item barcode(13 digits barcode which start with '20' or '22' or '23', please refer to Appendix 5.1 Item Master Format for detail coding

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- c) input barcode;
- d) input 9 digits item code;

If program can find the item code from relevant data file, it will be displayed in field 'Item Code'; else program prompt "Item not found" error message;

- 2) For all module, the quantity will be replaced with the new input value when the same goods was scanned or inputted again;
- 3) It is allowed to search goods information by scan barcode for all Browse function of module

<u>For Data Browse</u> - after user input a valid DO NO in the input screen of Stock-Point Receiving and click the "Browse" button, program will display the Browse screen as below.

Stock-Point Receiving - Browse			
DO NO.: 8004100000021 6/6 Supplier: 0000076325 KOH I Delivery Date: 13/05/2010			
ItemCode	Order Qty	ConfirmQty	
001927966	1000	5	
001928034	1000	50	
001928037	1000	60	
001928047	1000	35	
001928048	1000	25	
001929888	500	12	
Barcode/Item:			
Enter Close			
🐉 🅵 Stock-Point Receiving 🔞 🎐 🧐 🗭 🖷			

Figure 3.7.9–Browse screen of Stock-Point Receiving

As Figure 3.7.9, the browse screen will show the DO information in the grid. User can view each item in the screen as figure 3.7.10 by double click the item in the grid or scan barcode/item in the barcode/item field and press "Enter" key.

Button	Event
1) [Enter]	User can click this button to browse or edit all goods that belong to the current DO as Figure 3.7.10.
3) [Close]	Close the current screen and return to the Input Screen of Stock-Point Receiving as <i>Figure 3.7.1</i> .

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Stock-Point Rece	eiving - Browse	
DO NO.: Supplier: Delivery Date: Bay Number:	8004100000002 0000076325 KC 13/05/2010 888	21 6/6 DHI
Barcode/Item: Item Descriptio MARTY 828-3 MAT Pack: 1 S Order Qty: 100	001927966 on: Item Co : 150X 180CM E ize: Co)0 UC	de: 001927966 SAMBOO
Confirm QTY:	5	
Record: 1/6	<	< > >
Edi	t Clo	se
💦 🕵 Stock-Point	t Receiving 🗑	🖻 🏹 党 🗞 🖉

Figure 3.7.10–Browse screen of Stock-Point Receiving

As Figure 3.7.10, the browse screen will show the DO information by item. User can view each item by Record navigation button or arrow function keys. Otherwise, in this screen user can edit the Confirm Qty of item.

The table below is the description for the buttons in the browse screen.

Button	Event
1) $ \langle \rangle \rangle \langle $	Record navigation buttons or arrow function keys, program can go to the first record, previous record, next record or the last record of current DO No.
2) [Edit]	User can click this button to edit data of and "Confirm Qty" of the current record.
3) [Close]	Close the current screen and return to the Input Screen of Stock-Point Receiving as <i>Figure 3.7.9</i> .

3.8 Stock-Point Picking

The function "Stock-Point Picking" is used to capture information for pick goods to Cart Rack. After selected "Picking" function in the Stock-Point Operations screen, program will enter the Stock-Point Picking function and display the following picking input screen.

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Stock-Point Pic	:king		
Picking List Nu	m:		
Cart Rack:			
Store Code:			
Barcode/Item	· [
Item Descriptio	on:	Item Code:	
			*
Pack:	Size:	Color:	
Picking Qty:		UOM:	
Confirm QTY:			
Carton:			
Enter B	rowse	Complete	Exit
🐉 🧟 Stock-Poi	int Pickin	a 🛛 🗑 🎐 🔇	2 🕀 🔽 🛱

Figure 3.8.1 – Input screen of Stock-Point Picking

For Data Input – The operation steps are listed as below for Stock-Point Picking:

 Scan/Input Picking List Number, and store code will display. If the Pick List has been picked, program will prompt an error message as Figure 3.8.2, else system will check whether the scanned Cart Rack has been used by another store like step 1.If Cart rack check and Pick List check are pass, user can go to step 3.

Stock-Point Picking			
Picking List Num:	16	3/3	
Cart Rack:			
Store Code:	1011		
Barcod DC_RF_Syst	em OK	×	
Item D Pick list 16 has been picked.			
Picking Qty:	UOM:		
Confirm QTY:			
Carton:			
Enter Browse	e Complete	Exit	
💦 🅵 Stock-Point Pic	king 🕢 🐨 🐼	🦻 🏴 🔁	

Figure 3.8.2 – Stock-Point Picking -> Pick List Check

2) Scan/Input Cart Rack Sticker. If user scanned/input an incorrect Cart Rack No., system will prompt an error message as Figure 3.8.3(a), else if Pick List Num was input, system will check whether the scanned Cart Rack has been used by another store. If yes, program will prompt error message "Cart Rack Sticker has been used for another store." as Figure 3.8.3(b) to let user input again;

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Stock-Point Picking	Stock-Point Picking
Picking List Num: 20 0/3	Picking List Num: 20 0/3
Cart Rack: 88888	Cart Rack: CR 1011000000001
Store Code: 1010	Store Code: 1010
Bard DC_RF_System OK X	Bar DC_RF_System OK X
Please input a correct cart rack no.	Cart Rack Sticker has been used for another store.
Picking Qty: UOM:	Picking Qty: UOM:
Confirm QTY:	Confirm QTY:
Carton:	Carton:
Enter Browse Complete Exit	Enter Browse Complete Exit
🐉 🕵 Stock-Point Picking 🛛 🗑 🕪 🖏 🍠 🏓 🗟	🐉 🥵 Stock-Point Picking 🛛 🗑 🎐 🗺 💆 🏴
<i>(a)</i>	(b)

Figure 3.8.3 – Stock-Point Picking -> Cart Rack Check

3) Scan/Input barcode or item code in field "Barcode/Item"; If item can't be found in back end database, program prompt "Item not found" error message as Figure 3.8.4(a); else program displays item information as Figure 3.8.4(b) which includes item code, item description, pack, size of specification, color, UOM and picking QTY, and picking quantity will be set in field "Confirm Qty" as default value.

Stock-Point Picking		Stock-Point Picking	
Picking List Num:	20 0/3	Picking List Num:	20 0/3
Cart Rack:	CR 101000000002	Cart Rack:	CR 10 1000000002
Store Code:	1010	Store Code:	1010
Barco DC RF Syste	em OK 🗙	Barcode/Item:	001076183
Item	not found or is editing by user.	Item Description: DYNAMO LIQUII	Item Code: 001076183 D COLOUR 3KG
Pack: Picking Qty:	UOM:	Pack:4 Siz Picking Qty:4	e: Color: UOM:EACH
Confirm QTY: Carton: Enter Brows	e Complete Exit	Confirm QTY: 4 Carton: Enter Brows	e Complete Exit
💐 🥵 Stock-Point Pic	king 🔞 🕪 🚳 🍠 🏴 🖻	💐 🥵 Stock-Point Pic	king 🛛 🕲 🕪 🗐 🏓 🖻
<i>(a)</i>			<i>(b)</i>

Figure 3.8.4 – Stock-Point Picking -> Barcode/Item Check

- 4) User can re-input confirm quantity in field "Confirm Qty";
- 5) Enter "Confirm Qty" and key "Enter" to save current record; Program will prompt warning message as Figure 3.8.5(a) to user if operation:
 - Confirm QTY is not equal to Picking QTY;

And will prompt error message as Figure 3.8.5(b) to user if operation is not compliant with below business rule(s):

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- System is not allowed to key in Confirm QTY more than Picking QTY.

Stock-Point Picking	Stock-Point Picking
Picking List Num: 20 0/3	Picking List Num: 20 0/3
Cart Rack: CR101000000002	Cart Rack: CR 10 1000000002
Stor <u>e Code: 1010</u>	Store Code: 1010
Bart DC_RF_System	Barcc DC_RF_System OK 🔀
Iter Confirm QTY is not equal to Picking QTY.	Item System is not allowed to key in Confirm QTY more then Picking QTY.Confirm QTY=8.
	Picking Oty: 4 UOM: EACH
Confirm QTY: 1 0 Carton:	Confirm QTY: 8 0 Carton:
Enter Browse Complete Exit	Enter Browse Complete Exit
💦 👷 Stock-Point Picking 🛛 🗃 🐓 🖏 🎐 💌 🕾	🐉 🕵 Stock-Point Picking 🛛 🛞 🌫 🚳 🎐 💌 🖻
<i>(a)</i>	<i>(b)</i>

Figure 3.8.5 – Stock-Point Picking -> Confirm quantity Check

6) Scan/Input carton sticker ID in the "Carton" field and press "Enter" button or key "ENT". And then program will check the input. If the input is incorrect, program will prompt messages as figure 3.8.6, else program will save the data.

Stock-Point Picking	Stock-Point Picking		
Picking List Num: 20 0/3	Picking List Num: 20 0/3		
Cart Rack: CR 10 1000000002	Cart Rack: CR 10 1000000002		
Store Code: 1010	Store Code: 1010		
Barco DC_RF_System			
DYN Please input a correct carton ID.	Item Carton is not belong the current store.		
Picking Qty: 4 UOM:EACH	Picking Qty: 4 UOM:EACH		
Confirm QTY: 1 0 Carton: CT101000000008 0	Confirm QTY: 1 0 Carton: CT10110000000004 0		
Enter Browse Complete Exit	Enter Browse Complete Exit		
🐉 🥵 Stock-Point Picking 🛛 🗑 😏 🗐 🏓 🖷	🐉 🅵 Stock-Point Picking 🛛 🗑 😏 🚳 🍠 🏴 🖷		

Figure 3.8.6 – Stock-Point Picking -> Record saved

7) The item information fields will clear to let user to re-input another item and the picked record number field will be updated when save record successfully as Figure 3.8.7;

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Stock-Point Pick	ing			
Picking List Num	: 2	0		1/3
Cart Rack:		R10100	0000000	2
Store Code:	10	010		
Barcode/Item:				
Item Description	ו: 🗌	Item	Code:	,
				<u>~</u>
Pack:	Size:		Color:	
Picking Qty:			UOM:	
Confirm QTY:				
Carton:				
Enter Bro	wse	Con	nplete	Exit
💦 🥵 Stock-Point	t Pickin	a	<u></u>	🚊 🖊 🖶

Figure 3.8.7 – Stock-Point Picking -> Record saved

- 8) Repeat steps 3 to 7 for more items data capture in current picking;
- 9) If all items in current picking list have been completed, program will prompt message as figure 3.8.8 (a) to inform user; or if user directly press button [Complete] to confirm the current picking list can be completed even still have open item records but no physical goods can be picked, then program will prompt message with how many item still pending as figure 3.8.8 (b) to inform user:

Stock-Point Picking			Stock-Po	int Pickir	ng		
Picking List Num:	20	3/3	Picking Li	st Num:	20		2/3
Cart Rack:	CR 10 1000000002	2	Cart Rac	k:	CR 101	0000000002	2
Sto <u>re Code:</u>	1010		Sto <u>re Co</u>	de:	1010		
Bar DC_RF_System		×	Bar DC_R	RF_Syste	m		\times
Iter ? All picking close curr	g completed.Do you wi rent picking list?	sh to	Itei 🥐) 1 item wish to	(s) still pena o close curre	ding to pick.Di ent picking list	o you ?
Pac	No No	Y	Pac Pick ing q	[Yes	No	Y
Confirm QTY:			Confirm	QTY: [
Carton:			Carton:	Ī			
Enter Brows	complete	Exit	Enter	Brow	wse	omplete	Exit
💐 🥵 Stock-Point Pic	king 🔞 🕏 🚳	🎐 🖊 🔁	💦 🥵 St	ock-Point	Picking	- - 	🍠 🏴 🖻
(a)					<i>(b)</i>		

Figure 3.8.8 – Stock-Point Picking -> Complete Confirmation

 User can click button "No" then program will keep in the previous screen. If user can click button "Yes", then program will prompt below message to inform user that item picking completed and send upload data to PROFIT:

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Stock-Point Picking	I	
Picking List Num:	20	2/3
Cart Rack:	CR 10 1000000	0002
Store Code:	1010	
Barco DC_RF_Syst	em	ок 🗙
Item Data	will be upload to F	PROFIT.
Picking Qty:	UC	M:
Confirm QTY:		
Carton:		
Enter Brows	Complet	e Exit
💦 🧟 Stock-Point Pi	ckina 🛛 🗑 🤅	

Figure 3.8.9 – Stock-Point Picking -> Data Upload Message

11) Repeat steps 1 to 10 for next Cart Rack & Picking List Number and other items picking;

12) User can press button [Exit] return to "3.6.1 Stock-Point Option" menu screen.

The following buttons are available in "Stock-Point Picking":

Button	Event
1) [Enter]	User can click this button to save the current record.
2) [Browse]	Click this button to browse the capture picking data.
3) [Complete]	Click and confirm current picking list has been completed and upload data to PROFIT.
4) [Exit]	Close the current function and return to "3.6.1 Stock-Point Option" menu screen.

For Data Browse - after user input a valid Pick List and Cart Rack in the input screen of Stock-Point Picking and click the "Browse" button, program will display the Browse screen as below.

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Stock-Point Picking	- Bro	wse		
Picking List Num: Store Code:	20 101	C	2/3	
ItemCode		Order Qty	ConfirmQty	
001075563		8	1	
001076183		4	1	
001076204		5		
Barcode/Item:				
Enter		Close	:	
💦 🅵 Stock-Point Pick	king -	Br 🗃 🕄	•S 🦻 🖊	4

Figure 3.8.10 – Browse screen of Stock-Point Picking

As Figure 3.8.10, the browse screen will show the Pick List Num information in the grid. User can view each item in the screen as figure 3.8.11 by double click the item in the grid or scan/input barcode/item in the barcode/item field.

Button	Event
1) [Enter]	User can click this button to browse or edit all goods
	that belong to the current Pick List Num as Figure
	3.8.11.
3) [Close]	Close the current screen and return to the Input Screen
	of Stock-Point Picking as Figure 3.8.1.

The table below is the description for the buttons in the browse screen.

Stock-Point Picking	- Browse		
Picking List Num:	20		
Cart Rack:	CR101000000002		
Store Code:	1010		
Carton:	CT1010000000001		
Item Description: Item Code: 001075563			
DYNAMO HDL -REGULAR 4.7KG			
Pack: 3 Size	: Color:		
Picking Qty: 8	UOM: EACH		
Confirm QTY: 👖	1		
Record: 1/3	< < > >		
Edit	Delete		
🐉 🥵 Stock-Point Pi	:king - Br 🗑 🎐 🕎 🏓 👎		

Figure 3.8.11 – Browse screen of Stock-Point Picking

As Figure 3.8.11, the browse screen will show the Pick List information by item. User can view Confidential © Schmidt & Co., (H.K.) Ltd., 2010 Page 25 of 67

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each item by Record navigation button or arrow function keys. Otherwise, in this screen user can edit the Confirm Qty of item and delete current record. When user selected the delete operation, program will prompt a message as Figure 3.8.12 to let user confirm the delete operation.

Stock-Point Picking - Browse			
Picking List Num: 20 Cart Rack: CR 10 10000000002			
Store Code: 1010			
Ca DC_RF_System			
Iter Are you sure to delete current pick DYI Ist confirm Qty?			
Picking ety.			
Confirm QTY: 1			
Record: 1/3			
Edit Delete Close			
💦 🅵 Stock-Point Picking - Br 🔞 🌫 🚳 🍠 🏴 🔁			

Figure 3.8.12–Stock-Point Picking Browse -> Delete Confirmation

The table below is the description for the buttons in the browse screen.

Button	Event
1) < < > >	Record navigation buttons or arrow function keys,
or [←] [↑] [↓] [→]	program can go to the first record, previous record, next record or the last record of browse data.
2) [Edit]	User can click this button to edit data of "Confirm Qty" of the current record.
3) [Delete]	User can click this button to delete the current record, program will prompt message to let user confirm the record delete.
4) [Close]	Close the current screen and return to "3.8.1 Input Screen of Stock-Point Picking".

3.9 X-Dock Operations

After selected the "X-Dock Operations" in the main menu screen as Figure 3.4.1, the following X-Dock Operations screen will be displayed.

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X-Dock Operations
1. Receiving by Store
2. Consolidation Receiving
3. Consolidation Sorting
4. Combine Process
0. Exit
🐉 🥵 I-Dock Operations 🛛 🔀 😏 대 💕 🏓 🖷

Figure 3.9.1–X-Dock Operations Screen

User can click the relation button or enter the relation number to enter the function or return to the main menu screen.

The following buttons are available in sub-main of "X-Dock Operations" screen:

Button	Event
1) [Receiving by Store]	Click and go to "Receiving by Store" function.
2) [Consolidation Receiving]	Click and go to "Consolidation Receiving" function.
3) [Consolidation Sorting]	Click and go to "Consolidation Sorting" function.
4) [Combine Process]	Click and go to "Combine Process" function.
5) [Exit]	Close the current function and return to "3.4.1 Main Menu" screen.

3.10 Receiving By Store

This function is used for receiving store by store. After user select this function, the following screen is displayed for receiving store by store:

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X-Dock Receiving	g by Sto	ore			
DO NO.:					
Supplier: Delivery Date:		ST	Г:		
Bay Number:					
Cart Rack:					
Barcode/Item:					
Item Descriptio	n:	Item C	iode:		
Pack:	Size:	C	olor:		7
Order Qty:			IOM:		
Confirm QTY:					
Carton:					
Enter Br	rowse	Comp	lete	Exi	t
💦 🔍 X-Dock Rec	eivina hy	(St 6		1 🐣 🗖	2 🔁

Figure 3.10.1 – Input Screen of X-Dock Receiving by Store

For Data Input – The operation steps are listed as below for X-Dock Receiving by Store:

 Scan DO No. If DO No. exist in back end database, the relative information will be displayed as Figure 3.10.2(a), that include: supplier, delivery date and store code, else program will prompt an error message as Figure 3.10.2(b) to left user to re-input a current DO NO.;

X-Dock Receiving by Store	X-Dock Receiving by Store
DO NO.: 1001100000050 0/2	DO NO.:
Supplier: 0000040541 NESTLE Delivery Date: 17/05/2010 ⁻ ST: 1001	Supplier: Delivery Date: ST:
Bay Number: Cart Rack: Barcode/Item: Item Description: Item Code:	Bay Number: Cart Rack DC_RF_System OK X Barcode/I Item Des D0 does not found.
Pack: Size: Color:	Pack: Size: Color:
Confirm QTY: Carton: Enter Browse Complete Exit	Confirm QTY: Carton: Enter Browse Complete Exit
🌮 🕵 X-Dock Receiving by St 🔞 😏 🗐 😤	🐉 🕵 X-Dock Receiving by St 🔞 🛩 🚳 🍠 🏴 🖻
(a)	(b)

Figure 3.10.2 – X-Dock Receiving by store -> DO NO. Checking

If the input DO has been completed and printed the receiving note, program will prompt a message as Figure 3.10.3 to let user to confirm to reprint the receiving note or not. When user choose to re-print, program will send a command to the DC Server to reprint the current receiving note and clear all fields in the input screen of X-Dock Receiving by store, if user choose not to re-print, program will clear all fields in the input screen of X-Dock Receiving by store to let user to re-scan/re-input an un-receiving DO.

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X-Dock Receiving	, by Sto	ore			
DO NO.:	100110	000000	050	2/2	
Supplier: Delivery Date:			ST:		
Bay DC_RF_Syst	em			\times	L
Car Bar Ite Pac	PO 1001 ed.Do yo Yes	100000 u wish t N a	0050 ha: to Reprin	s been t?	4
Order Qty:					_
Confirm QTY: Carton:					
Enter Br	owse	Cor	nplete	Exi	t
🕵 X-Dock Rec	eiving by:	/ St	@ %	3.9 5	2 🔁

Figure 3.10.3 – X-Dock Receiving by store -> Re-print Confirmation

- 2) Scan/Input Bay Number;
- 3) Scan Cart Rack, if user scanned/input an incorrect Cart Rack No., system will prompt an error message as Figure 3.10.4(a), else system will check whether the scanned Cart Rack has been used by for another store. If yes, program will prompt error message as Figure 3.10.4(b) to let user input again;

X-Dock Receiving by Store	X-Dock Receiving by Store
DO NO.: 1001100000050 0/2	DO NO.: 1001100000050 0/2
Supplier: 0000040541 NESTLE Delivery Date: 17/05/2010 ⁻ ST: 1001	Supplier: 0000040541 NESTLE Delivery Date: 17/05/2010 ⁻ ST: 1001
Bay_Number: 1888	Bay Number 888
Car DC_RF_System OK X	Car DC_RF_System OK 🗙
Bare Please input a correct cart rack no.	Bar Iter Cart Rack Sticker has been used for another store.
Pack: Size: Color:	Pad k: Size: Color:
Confirm QTY:	Confirm QTY:
Enter Browse Complete Exit	Enter Browse Complete Exit
🌮 🕵 X-Dock Receiving by St 🗃 🌫 🖏 🎐 🏴 🔁	🐉 👷 X-Dock Receiving by St 🗃 🌫 🚳 🍠 🏴 🔁
<i>(a)</i>	<i>(b)</i>

Figure 3.10.4 –X-Dock Receiving by store -> Cart Rack Checking

4) Scan barcode or item code in field "Barcode/Item". If item can't be found in back end database, or does not belong to the current DO No. program prompt error message "Item not found" or " Item does not belong to the current DO." as Figure 3.10.5(a); else program displays item information as Figure 3.10.5(b) which includes barcode, item code, item description, pack, , size, color, UOM and order quantity, and order quantity will be set in field "Confirm Qty" as default value;

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X-Dock Receiving by Store	X-Dock Receiving by Store
DO NO.: 1001100000050 0/2	DO NO.: 1001100000050 0/2
Supplier: 0000040541 NESTLE Delivery Date: 17/05/2010 °ST: 1001	Supplier: 0000040541 NESTLE Delivery Date: 17/05/2010 - ST: 1001
Bay Number: 888	Bay Number: 888
Cart DC_RF_System OK X	Cart Rack: CR1001000000102
Barco 👔 Item not found or is editing by	Barcode/Item: 001020464
Item other user.	Item Description: Item Code: 001020464
Pack: Size: Color: Order Otv: UOM:	Order Otv: 2400 UOM: EACH
Confirm QTY:	Confirm QTY: 2400 0
Enter Browse Complete Exit	Enter Browse Complete Exit
🐉 🎎 X-Dock Receiving by St 🔞 🎐 🗐 🔁	🐉 🎎 X-Dock Receiving by St 🔞 🎐 🗐 😤
(a)	<i>(b)</i>

Figure 3.10.5 –X-Dock Receiving by store -> Item Checking

- For full case, one carton sticker only contains one item

- For mix case, one carton sticker can contain multiple items

- 5) User can re-input confirm quantity in field "Confirm Qty:";
- 6) Press "Enter" key in field "Confirm Qty" or click button "Enter" to save current record; Program will prompt warning message as Figure 3.10.6 to user if operation is not compliant with the business rule:

- Confirm QTY is not equal to order QTY;

X-Dock Receiving by Store	!		X-Dock Receiv	ing by Store		
DO NO.: 1001100	0000050	0/2	DO NO.:	10011000	000050	0/2
Supplier: 00000405 Delivery Date: 17/05/20	541 NESTLE 10 - ST : 100	1	Supplier: Delivery Date	000004054 e: 17/05/2010	∔1 NESTLE 0 FST: 100	1
Bay N DC_RF_System		\times	Ba <u>y Number</u>	. 888		
Cart R	(is pot opual t		Car DC_RF_S	ystem		ок 🗙 🗖
	r is not equal (TY,	.0	Bar 👔 c	onfirm QTY can	not be large	r than
Item [NESC/ Yes	No)20464 F	Iter 🗸 o NE	rder QTY.Confirr	m QTY=3600	0. 464
Order Otv: 2400	UOM: 1	EACH	Order Otv:	512e: 2400	UOM: I	EACH
Confirm QTY: 24	0		Confirm QTY	r: 3 600	0	
Carton:			Carton:			
Enter Browse	Complete	Exit	Enter	Browse	Complete	Exit
🅵 X-Dock Receiving by S	t 🗃 🕀 🏷	🤔 🎽 🖻	💦 🎇 X-Dock I	Receiving by St.	🗃 🕹 🚳	3) 🖻 🖻
<i>(a)</i>					<i>(b)</i>	

Figure 3.10.5 – X-Dock Receiving by store -> Confirm QTY Check

7) Repeat steps 4 to 7 for more goods receiving of the current carton;

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8) If all received goods for current carton completed and need to do carton seal, user need to click Carton Sticker field to scan/input Carton Sticker and click button "Enter" to save current carton and items received. If the input carton is incorrect format, program will prompt an error message as Figure 3.10.6(a), else if the input carton has been used then program will display error message as Figure 3.10.6(b) and need to input again.



Figure 3.10.6 – X-Dock Receiving by store -> Carton Check

One carton sticker ID can only be received into one Cart Rack ID.

For same SKU item with QTY 100, if QTY 50 received to Cart Rank A and another 50 need to received to Cart Rank B, then DC will provide two different sticker IDs for these two receiving.

- 9) Click button "Enter" to save current carton and items received
- 10) Repeat steps 4 to 10 for more goods receiving of other carton;
- 11) Repeat steps 3 to 11 for more goods receiving of other Cart Rack and carton;
- 12) User can press ESC key [CLR] on terminal keypad or click "Bayer Number" text box to set input focus for Bay number input if need to change;
- 13) If all goods receiving of the current DO have been completed, program will prompt message as Figure 3.10.7 (a) to inform user; or if user directly press button [Complete] to confirm goods receiving completed even still have open item records but no physical goods can be received, then program will prompt message with how many item still pending as figure 3.10.7 (b) to inform user:

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X-Dock Receiving by Store	X-Dock Receiving by Store
DO NO.: 1001100000050 2/2	DO NO.: 1001100000050 1/2
Supplier: 0000040541 NESTLE Delivery Date: 17/05/2010 ⁻ ST:1001	Supplier: 0000040541 NESTLE Delivery Date: 17/05/2010 ⁻ ST: 1001
Bay DC_RF_System Car Bar Car Bar Iter Pac Order Qty: UOM: Confirm QTY: Carton: Enter Browse Complete Exit	Bay DC_RF_System Car Bar Car Bar Pac Order Qty: UOIM: Confirm QTY: Carton: Enter Browse Complete Exit
શ 🕵 X-Dock Receiving by St 🕲 🌫 😒 🏓 🔁	💐 🅵 X-Dock Receiving by St 🔞 😏 🗐 🏓 🔁
<i>(a)</i>	(b)

Figure 3.10.7 – X-Dock Receiving by store -> Complete Confirmation

14) User can click button "No", program will keep in the previous input screen. If user can click button "Yes", then program will prompt a message as Figure 3.10.8 to inform user that goods receiving completed and send upload data to PROFIT to print Receiving Note directly:

X-Dock Receivin	g by Store		
DO NO.:	1001100000050 2/2		
Supplier: Delivery Date:	0000040541 NESTLE 17/05/2010 - ST: 1001		
Bay <u>Number</u>			
Cart DC_RF_Sy:	stem OK 🔀		
Barc 😱 Data will be upload to PROFIT to			
Item print Receiving Note.			
Pack : Order Qty:	size: Color: UOM:		
Confirm QTY:			
Carton:			
Enter	rowse Complete Exit		
💦 🥵 X-Dock Rei	ceiving by St 🔞 🎐 🚳 🍠 🏴 🖷		

Figure 3.10.8 –X-Dock Receiving by store -> Data Upload Message

- 15) After complete previous DO receiving, program will close the current DO and clear all field of screen, and cursor will be replaced to field "DO No.", program waiting for scan or input another DO barcode;
- 16) Repeat steps 1 to 15 for another DO receiving;

The following buttons are available in "Input Screen of X-Dock Receiving by Store" screen:

Button Event	Button	Event
--------------	--------	-------

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1) [Enter]	User can click this button to save the current record.
2) [Browse]	Click this button to browse and edit the goods of current DO.
3) [Complete]	Click and confirm goods receiving have been completed and upload data to PROFIT to print receiving note.
4) [Exit]	Close the current function and return to "3.9.1 X-Dock Receiving Option" screen.

For Data Browse - after user input a valid DO NO in the input screen of X-Dock Receiving by store and click the "Browse" button, program will display the Browse screen as below.

X-Dock Receiving By Stor	e - Browse	9
DO NO.: 100110	00000050	2/2
Supplier: 0000040	0541 NEST	LE
Delivery Date: 17/05/2	2010 ST	: 1001
ItemCode	Order Qty	ConfirmQty
001020464	2400	24
001608742	300	30
Barcode/Item:		
Enter	Close	:
🕺 🧟 X-Dock Receiving By	St 🔞 🕄	- 🖏 党 🔽 🔁

Figure 3.10.9 – Browse Screen of X-Dock Receiving by Store

As Figure 3.10.9, the browse screen will show the Pick List Num information in the grid. User can view each item in the screen as figure 3.10.10 by double click the item in the grid or scan barcode/item in the barcode/item field.

Button	Event
1) [Enter]	User can click this button to browse or edit all goods that belong to the current Pick List Num as Figure 3.10.10.
3) [Close]	Close the current screen and return to the Input Screen of Stock-Point Picking as <i>Figure 3.10.1</i> .

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X-Dock Red	eiving By Store - Bro	wse		
DO NO.: 10011000000050 Supplier: 0000040541 NESTLE Delivery Date: 17/05/2010 ST: 1001 Bay Number: 888 Cart Rack: CR100100000102 Carton: CT1001000001001				
Record:	1/1 <	< >	>	
ItemCode	Description	UOM	O Qty	
001020464	NESCAFE 3 IN 1	EACH	24	
001608742	NESCAFE GOLD REFILL	EACH	30	
	t Delete	Clos	<u>```</u>	
			.e	
🥂 🔍 X-Do	ick Receiving By St 🖸) 🕹 😽 🐣) 🖊 🖬	

Figure 3.10.10 – Browse Screen of X-Dock Receiving by Store

As Figure 3.10.10, the browse screen will show the DO information by carton. User can view each carton information by Record navigation button or arrow function keys. Otherwise, in this screen user can select an item in the grid and click "Edit" button or double click the selected item in the screen to enter the item receiving edit screen as Figure 3.10.12.

User can select an item in grid and click "Delete" button to delete current item from current carton. When user selected the delete operation, program will prompt a message as Figure 3.10.11 to let user confirm the delete operation.

X-Dock Receiving By Store - Browse				
DO NO.: 1001100000050				
Supplier: 0000040541 NESTLE				
Delivery Date: 17/05/2010 ST: 1001				
Bay Number: 888				
Car _				
Iten Yes No Ity				
001608742 NESCAFE GOLD REFILE EACH 30				
Edit Delete Close				
🧨 🔍 X-Dock Receiving By St 📾 🍛 ன 👻 🔽 🛸				

Figure 3.10.11 –X-Dock Receiving by Store Browse -> Delete Confirmation

Button	Event
1) < < > >	Record navigation buttons or arrow function keys,
or $[\leftarrow] [\uparrow] [\downarrow] [\rightarrow]$	program can go to the first record, previous record, next

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	record or the last record of Cart Racks and Carton Stickers for the current DO.
2) [Edit]	When users select an item record, and then click this button to go to <i>Figure 3.10.12</i> screen to edit receiving quantity for selected item.
3) [Delete]	User can click this button to delete the current item record, program will prompt message to let user confirm.
4) [Close]	Close the current screen and return to "3.10.1 Input Screen of X-Dock Receiving by Store".

For Data Edit - after user entered the X-Dock Receiving by store –Edit function, program will display the Edit screen as below.

X-Dock Receiv	ing By Store	- Edit	
DO NO.: Supplier: Delivery Date Bay Number: Cart Rack: Carton:	100110000 000004054 : 17/05/201 : 888 CR 100100 CT 100100	000050 41 NESTLE 0 ST:10 0000102 00001001	001
Item Descript NESCAFE 3 Pack:24 Order Qty: 24	ion: I IN 1 REGU Size: 400	item Code; ILAR 40X2 Color: UOM: E	001020464 0G
Edit Qty:	24	24	
Record: 1/	2	< <	> >
Er	nter	Close	
🕺 🧟 X-Dock F	leceiving By St	t 🗃 😏 🔇	3 🏓 💌 🔁

Figure 3.10.12 – X-Dock Receiving by Store -> Edit

As Figure 3.10.12, the browse screen will show the DO information by item. User can view each item information by navigation button or arrow function keys. Otherwise, user can re-input the Edit Qty and press [Enter] key in handheld keyboard or click the [Enter] button in the screen to update the receiving quantity of the current item.

User can click the [Close] button in the screen or press [ESC] key in handheld keyboard to return to the browse screen as Figure 3.10.9.

Button	Event
--------	-------

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1) [Enter]	Input edit quantity in field "Edit Qty", then click this
	button to save edit quantity for current record.
2) [Close]	Close the screen and return Figure 3.10.10 screen.
3) < < > >	Record navigation buttons or arrow function keys,
or $[\leftarrow] [\uparrow] [\downarrow] [\rightarrow]$	program can go to the first record, previous record, next
	record or the last record of received items for current
	Carton Sticker.

3.11 Consolidation Receiving

This function is used to receive items for consolidation PO receiving for multiple stores. After user select this function in then X-Dock Operations screen, the following screen is displayed for receiving consolidation:

Consolidation Re	eceiving		
DO NO.:			
Supplier: Delivery Date:			
Bay Number:			
ItemCode Desc	ription	UOI	0 Qty
Barcode/Item:			
Enter	Complete		Exit
🐉 🥵 Consolid	ation Re 🗑	🕉 🕞 СН 🖗	🍠 🏴 🖷

Figure 3.11.1 – Input Screen of X-Dock Consolidation Receiving

For Data Input – The operation steps are listed as below for X-Dock Consolidation Receiving:

 Scan DO No. If DO No. exist in back end database, the relative information will be displayed as Figure 3.11.2(a), that include: supplier, delivery date, total item in this DO, and all item that belong to this DO will be showed in the grid, else program will prompt an error message as Figure 3.11.2(b) to left user to re-input a current DO NO.;

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Consolidation Re	eceiving				Consolidation Receiving
DO NO.:	00000000000002	0/3	3		DO NO.:
Supplier: Delivery Date:	001 2009-12-24				Supplier: Delivery Date:
Bay Number:					Bay Number
ItemCod Descr	ription	UOL	0 Qty	Í	ItemCode DC_RF_System OK X 0 Qty
1000002 [Item_:	2	bbbbbb	20000		
1000003 Item_	3	ccccc	30000		DO does not found.
1000005 Item_	5	eeeeee	60000		
Barcode/Item:					Barcode/Item:
Enter	Complete	E	xit		Enter Complete Exit
🥙 🥵 Consolid	ation Be 🇃 🕄	- СН 🏓	7		🦹 🥵 Consolidation Re 🗃 🈏 🖽 💕 🏴 🖷
	<i>(a)</i>				<i>(b)</i>

Figure 3.11.2 –X-Dock Consolidation Receiving -> DO No. Input

If the input DO has been completed and printed the receiving note, program will prompt a message as Figure 3.11.3 to let user to confirm to reprint the receiving note or not. When user choose to reprint, program will send a command to the DC Server to reprint the current receiving note and clear all fields in the input screen of X-Dock Consolidation Receiving, if user choose not to re-print, program will clear all fields in the input screen of X-Dock Consolidation Receiving to let user to re-scan/re-input an un-receiving DO.

DO NO.	5	0000000	1000000	4/4	
Suppler:		001		100	
Delivery	Date:	2009-12-2	23		
Bay Ni	AEON_R	F		×	1
ItenCe	The PO	000000000	00001 has I	been	Qt
100000	printed.0	Do you wish	to Reprint?	2	000
100000;	F	Var	No		2000
100000		165	140		3000
100000+	Tren's		-	uuuuu	1000

Figure 3.11.3 – X-Dock Consolidation Receiving -> Re-print Confirmation

- 2) Input Bay Number;
- Scan/Input barcode or item number in input field "Barcode/Item"; or select one record in grid, double click it or click button "Enter", program will go into the details screen for the selected record to confirm receiving as *Figure 3.11.4*;

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Consolidation Receiving - Confirm	
DO NO.: 0000000000001 Suppliver: 001 Delivery Date: 2009-12-23 0:00:00 Bay Number: 5555	
Barcode/Item: 2000002 Item Description: Item Code: 1000002	
Item_2 Pack: 10 Size: 10 X 10 Color: White	* *
Order Qty: 2000 UOM: bbbbbbb	
Confirm QTY: 2000	
Receiving Label:	
Confirm	_
🐉 🌺 Consolidation Re 🗃 🈏 대 💕 🏓 🕻	2

Figure 3.11.4 – Consolidation Receiving -> Confirm

- 4) Order quantity will be set in field "Confirm Qty" as default value;
- 5) Also user can re-input confirm quantity in field "Confirm Qty:";
- 6) Scan Barcode of Receiving Label;
- 7) Press Enter key or click button "Confirm" to save current record, then program close this screen auto, and return to 3.11.2(a) screen;
- 8) Click button "Cancel" in 3.11.4 screen, program will cancel and does not save current record, and return to 3.11.2(a) screen
- 9) Repeat steps 3 to 8 for other goods receiving;
- If user clicks button "Exit" in the screen, and some goods still not be received for the current DO, program will prompt a message as Figure 3.11.5 to inform user:

Consolidation	Receiving
DO NO.:	000000000000000000000000000000000000000
Supplier: Delivery Dat	001 e: 2009-12-24
Bay Nu AEO	N_RF
ItemCo Son 1000002 you 1000003 1000005	e items pending to receive.Do O Qty wish to continue receiving? Yes No 60000
Barcode/Ite	m: Complete Exit
2 S.Consol	lidation Re 🛞 🚽 🚮 🎐 🏴 着

Figure 3.11.5 – X-Dock Consolidation Receiving -> Exit Confirmation

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- 11) If user clicks button "Yes", program go on to receiving input screen again; else if program go to step 12;
- 12) If all goods receiving of the current DO have been completed, program will prompt message as Figure 3.11.6 (a) to inform user; or if user directly press button [Complete] to confirm goods receiving completed even still have open item records but no physical goods can be received, then program will prompt message with how many item still pending as Figure 3.11.6 (b) to inform user:

Consolidation	Receiving		Consolidation	Receiving	
DO NO .:	000000000000000000000000000000000000000	4/4	DO NO .:	000000000000000	3/4
Supplier: Delivery Dat	001 e: 2009-12-23	-	Supplier: Delivery Date	001 2009-12-23	
Bay N. Com	olete DO Confirm	26	Bay N. Comp	lete DO Confirm	×
ItenCo Al re 100000 to c 100000 100000 100000 100000	acelving completed.Do you ose current DO? Yes No	u wish D Qty 1000 2000 3000 4000	ItenCc 1 ite 1000000 1000000 1000000 1000000 1000000 1000000 1000000	m(s) still pending to rec wish to close current DC Yes No	etve.Do 0 9 ty)?] 2000 3000 waxwax 4000
Barcode/Ite	m:	Exit	Barcode/Iter	n:	Exit
2 Sconsol	Lidation Re @	00 3 P 7	a Consol	idation Re 🛞	-000/ 🖻 🗟
	(a)			(h)

Figure 3.11.6 –X-Dock Consolidation Receiving -> Complete Confirmation

13) User can click button "No", program will back to the input screen. If user click button "Yes", then program will prompt a message as Figure 3.11.6 to inform user that goods receiving completed and send upload data to PROFIT to print Receiving Note directly:

Consolidation Receiving								
DO NO.:		0000	00000	0000	1	4/4	4	7
Supplier: Delivery	Date:	001 2009-	-12-23					
Bay Nur	AFON	RF			ок	×		
ItemCod 1000001 1000002 1000003	Data w print Ri	rill be u eceivin	pload ti g No.) PRC	FIT t	.0	0 Qty 1000 2000 3000	
1000004	Item_4	L			dd	dddd	4000	
Barcode/Item:								
Ent	er	C	Comple	te		E	xit	
🐉 🥵 Consolidation Be 🛞 🌫 🖽 💕 🏴 🖷								

Figure 3.11.7 – X-Dock Consolidation Receiving -> Data Upload Message

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- 14) After complete previous DO receiving, program will close the current DO and clear all field of screen, and cursor will be replaced to field "DO No.", program waiting for scan or input another DO barcode;
- 15) Repeat steps 1 to 14 for another DO Receiving;
- 16) Press button [Exit] return to Figure 3.9.1 "X-Dock Operations" option screen.

The following buttons are available in "Input Screen of Consolidation Receiving":

Button	Event
1) [Enter]	Select a record to confirm receiving.
2) [Complete]	Click and confirm consolidation receiving have been completed and upload data to PROFIT to print receiving note.
3) [Exit]	Close the current function and return to "3.9.1 X-Dock Operations" screen.

3.12 Consolidation Sorting

The function "Sorting" is used to sort goods for consolidation receiving. After user select this function, the following screen is displayed for sorting data input:

Consolidatio	n Sorting			
Receiving L	abel:			
Cart Rack:				
Store Code	:			
Store Labe				
Barcode/It	em:			
Item Desci	ription:	Item Code:		
Pack: Sort Qty:	Size:	Color: UOM:	4	
Confirm Qt	y:			
Carton:				
Enter	Browse	Complete	Exit	
🐉 🧟 Consolidation Sorting 🛛 🗑 🎐 🖗 🗣				

Figure 3.12.1 – Input Screen of X-Dock Consolidation Sorting

For Data Input – The operation steps are listed as below for X-Dock Consolidation Sorting:

1) Scan/Input Receiving Label;

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 Scan/Input Cart Rack sticker, If user scanned/input an incorrect Cart Rack No., system will prompt an error message as Figure 3.12.2(a), else program will prompt error message as Figure 3.12.2(b) and user need to input again;

Consolidation Sorting	Consolidation Sorting
Receiving Label: 90004000000011 Cart Rack: 88888	Receiving Label: 9000400000011 Cart Rack: CR100800000001
Store Code: Sto DC_RF_System OK	Store Code: 1008 Store Code: 1008 Bat Ite There are no items to sort for the
Pad Sort Qty: UOM:	Pad specified store and Receiving Label. Pad Sort Qty: UOM:
Confirm Qty: Carton: Enter Browse Complete Exit	Confirm Qty: Carton: Enter Browse Complete Exit
🎝 👷 Consolidation Sorting 🛛 🗑 🎐 💌 🔁	💐 🥵 Consolidation Sorting 🛛 🗑 🌫 🚳 🍠 🏴 📇
(a)	(b)

Figure 3.12.2 – X-Dock Consolidation Sorting -> Cart Rack Check

- 3) Program displays store code base on the barcode format of Cart Rack;
- 4) Scan/Input store Label;
- 5) Scan/Input barcode or item code in field "Barcode/Item". If item can't be found in back end database then program prompt error message as Figure 3.12.3(a); else all item information will be showed in screen as Figure 3.12.3(b), that include: barcode, item code, item description, pack, size, color, receiving QTY and UOM;

Consolidation Sorting		Consolidation Sorting		
Receiving Label:	9000400000011	Receiving Label: 90004000000011		
Cart Rack:	CR100100000001	Cart Rack: CR 100 1000000001		
Store Code:	1001	Store Code: 1001		
Store pr. out		Store Label: 100101085306		
Barco Barco	em <mark>uk x</mark>	Barcode/Item: 001085306		
Item Item	not found or is editing by r user.	Item Description: Item Code: 0010853 SCOTCH BRITE 333 METALIC SPIRAL Pack: 12 Size: Color:	06	
Sort Qty:	UOM:	Sort Qty: 24 UOM: EACH		
Confirm Qty: Carton:		Confirm Qty: 12 12 Carton:		
Enter Brow	wse Complete Exit	Enter Browse Complete Exit		
👷 Consolidation	Sorting 🛛 🕲 🎐 🕎 🔁	🐉 🥵 Consolidation Sorting 🛛 🗑 🍛 🍕 🏓 🏴	٩	
	(a)	(b)		

Figure 3.12.3 – X-Dock Consolidation Sorting -> Barcode/Item Input

6) User can re-input confirm quantity in field "Confirm Qty";

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- 7) Press "Enter" key in field "Confirm Qty" or click button "Enter" to save current sorting record. Program will prompt warning message as Figure 3.12.4 to user if operation:
 - Confirm QTY is not equal to Picking QTY;

Consolidation Sorting					
Receiving Label: 90004000000011					
Cart Rack:	CR 100 1000000001				
Store <u>Code:</u>	1001				
Store DC_RF_Syst	tem 🛛 🔀				
Barcoo 🧿 Cont	firm OTY is not equal to				
Item [🖓 Rece	Receiving QTY. 85306				
SCOT	Yes No AL 🗧				
Pack:					
Sort Q ty. 21					
Confirm Qty: 12 0					
Carton:					
Enter Browse Complete Exit					
🐉 🥵 Consolidation Sorting 👘 😔 🚳 🍠 🗭 🖷					

Figure 3.12.4 – X-Dock Consolidation Sorting -> Confirm Qty Check 1

And will prompt error message as Figure 3.12.5 to user if operation is not compliant with below business rule(s):

- System is not allowed to key in Confirm QTY more than Picking QTY.

Consolidation Sorting					
Receiving Label: 90004000000011					
Cart Rack:	CR 10	CR 100 100000000 1			
Store Code:	1001	1001			
Charles I.	1001	2400			
Bat DC_RF_System				ok ×	
Ite Confirm QTY can not be larger than order QTY.Confirm QTY=36.					
Sort Qty: 24		l	JOM: E	EACH	
Confirm Qty: 36 0					
Carton:					
Enter Browse Complete Exit					c
🐉 🥵 Consolidation Sorting 👘 😔 🚳 🍠 🏓 🖷					

Figure 3.12.5 – X-Dock Consolidation Sorting -> Confirm Qty Check 2

8) Scan/Input carton sticker ID in the "Carton" field and press "Enter" button or key "ENT". And then program will check the input. If the input is incorrect, program will prompt messages as figure 3.12.6, else program will save the data.

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Consolidation Sorting		Consolidation Sorting		
Receiving Label: Cart Rack: Store Code: Store Barc Item SCO Dade	90004000000011 CR 1001000000001 1001 1001 em OK × a input a correct carton ID, 5306	Receiving Label: Cart Rack: Store Code: Store Bard Iten SCO Carto Store Carto Store	90004000000011 CR 100 100000000 1 1001 too to too coor em OK × n is not belong the current 5306	
Sort Qty: 24	UOM: EACH	Sort Qty: 24	UOM: EACH	
Confirm Qty: Carton: Enter Bro	12 12 CT 100 1000000008 wse Complete Exit	Confirm Qty: Carton: Enter Bro	12 12 CT1002000000002 wse Complete Exit	
Consolidation	Sorting 🛛 🕲 🎐 🔯 🍠 🚩 🖆	Consolidation	Sorting 🛛 🕲 🎐 💆 💆 🚰	
	(a)		(b)	

Figure 3.12.6–X-Dock Consolidation Sorting -> Carton Check

- 9) Repeat steps 3 to 8 for more item sorting in current cart rack;
- 10) Repeat steps 2 to 9 for more item sorting in other cart rack;
- 11) If the sorting for particular Receiving Label has been completed; or user can directly press button [Complete] to confirm; program will prompt message to inform user: If all items sorting for particular Receiving Label has been completed, program will prompt message as Figure 3.12.7 (a) to inform user; or if user directly press button [Complete] to confirm items sorting completed for current Receiving Label even still have open item records but no physical goods can be sorted, then program will prompt message with how many item still pending as Figure 3.12.7 (b) to inform user:



Figure 3.12.7 – X-Dock Consolidation Sorting -> Complete Confirmation

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12) If user can click button "Yes", then program will prompt a message as Figure 3.12.8 to inform user that goods sorting completed and send upload data to PROFIT:

Consolidation So	orting	
Receiving Labe	I: 9000400000011	
Cart Rack:	CR100100000001	
Store Code:	1001	
Store DC_RF_System OK X		
Item 🚺 D Pack	ata will be upload to PROFIT.	
Sort Qty:	UOM:	
Confirm Qty:		
Carton:		
Enter E	Browse Complete Exit	
💐 🥵 Consolidat	on Sorting 🛛 🔞 🎐 🕎 🏴 🖷	

Figure 3.12.8 –X-Dock Consolidation Sorting -> Data Upload Message

Else, user can click button "No", program will display the Pending Stores List screen as Figure 3.12.8(a). User can double click one row in the grid to view Pending Items List screen as Figure 3.12.8(b) of the selected store. And, user can click the "Close" button in the Pending Items List screen to return to the Pending Stores List screen, click "Close" button in the Pending Stores List screen to return to the Consolidation Sorting screen.

Consolidation Sorting - Pending Stores List	Consolidation Sorting -	Pending Iter	ns List
Receiving Label: 90004000000011 Store	Receiving Label: 900 Store Code: 100	04000000011 1	L
1001	ItemCode	Order Qty	Confirm Qty
	001081824	12	
Close V Que Consolidation Sorting - Pe	Consolidation Sort	Se	o⊋ # 🗭 🗣
(a)		(h)	

Figure 3.12.8 – X-Dock Consolidation Sorting -> Pending List

- 13) Repeat steps 1 to 12 for other sorting;
- 14) Press button [Exit] return to Figure 3.9.1 "X-Dock Operations" option screen

The following buttons are available in "Input Screen of Consolidate Sorting":

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Button	Event
1) [Enter]	User can click this button or press "ENTER" key in "Confirm Qty" input field to save the current sorting record.
2) [Browse]	Click this button to browse the sorting for current store.
3) [Complete]	Click and confirm consolidation sorting of particular Receiving Label and upload data to PROFIT
4) [Exit]	Close the current function and return to "3.9.1 X-Dock Operations" option screen.

<u>For Data Browse</u> - after user press button [Browse] in Figure 3.12.1 Input Screen of Consolidation Sorting, program displays data browse screen as below:

Consolidation Sorting	g - Br	owse				
Receiving Label: Store Code:	9000 100	0400000 1	001	1 2/:	2	
ItemCode		Order Qt	y C	onfirm	Qty	
001081824		12	12	2		
001085306		24	12	2		
Barcode/Item:						
Enter		Clos	se			
🕵 Consolidation Sc	orting	🔞	<u>}</u>	3,3	7	٩.

Figure 3.12.9 – Browse Screen of X-Dock Consolidation Sorting

As Figure 3.12.9, the browse screen will show the Pick List Num information in the grid. User can view each item in the screen as figure 3.12.10 by double click the item in the grid or scan/input barcode/item in the barcode/item field.

Button	Event
1) [Enter]	User can click this button to browse or edit all goods
	that belong to the current Pick List Num as Figure
	3.12.10.
3) [Close]	Close the current screen and return to the Input Screen

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of Stock-Point Picking as Figure 3.12.1.

Consolidation Sorting - Browse			
Receiving Label: 90004000000011			
Cart Rack: CR 100 1000000001			
Store Code: 1001 Carton: CT 1001000000002			
Barcode/Item: 001085306			
Item Description: Item Code: 001085306			
SCOTCH BRITE 333 METALIC SPIRAL			
Pack: 12 Size: Color:			
Sort Qty: 24 UOM: EACH			
Confirm QTY: 12 12			
Record: 2/2			
Edit Delete Close			
💦 🕵 Consolidation Sorting 🔞 😏 🚳 🍠 🏴 🔁			

Figure 3.12.10 – Browse Screen of X-Dock Consolidation Sorting

As Figure 3.12.10, the browse screen will show the Pick List information by item. User can view each item by Record navigation button or arrow function keys. Otherwise, in this screen user can edit the Confirm Qty of item and delete current record. When user selected the delete operation, program will prompt a message as Figure 3.12.11 to let user confirm the delete operation.

Consolidation Sorting - Browse			
Receiving Label: 90004000000011			
Cart Rack: CR 100 1000000001			
Store Code: 1001 Carton: CT1001000000002			
Stor DC_RF_System			
Itel 🕐 Are you sure to delete current item D6			
SCC record?			
Pac Yes No			
Sort QLY: 24 UCIMI: EACH			
Confirm QTY: 12 12			
Record: 2/2			
Edit Delete Close			
🐮 🕵 Consolidation Sorting 🔞 🌫 🚳 🍠 💌 🖻			

Figure 3.12.11 – X-Dock Consolidation Sorting Browse -> Delete Confirmation

Button	Event
1) $ \langle \langle \rangle \rangle > \rangle$ or $[\leftarrow] [\uparrow] [\downarrow] [\rightarrow]$	Record navigation buttons or arrow function keys, program can go to the first record, previous record, next record or the last record of browse data.
2) [Edit]	User can click this button to edit "Confirm Qty" data

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	field of the current record.
3) [Delete]	User can click this button to delete the current sorting record, program will prompt message to let user confirm.
4) [Close]	Close the current screen and return to "Input Screen of Consolidation Sorting".

3.13 X-Dock Combine

After user select the "Combine Process" function in the "X-Dock Operations" screen as Figure 3.9.1, the following X-Dock Combine Option screen will be displayed.

X-Dock Co	nbine Option
	1. All Cartons
	2. Selected Cartons
	0. Exit
	ock Combine O 🗑 🕪 CH 💕 🏴 😤

Figure 3.13.1 – X-Dock Combine Option

User can click the relation button or enter the relation number to enter the function or return to the main menu screen.

The following buttons are available in "X-Dock Combine Option" screen:

Button	Event
1) [All Cartons]	Click and go to "X-Dock Combine – All Cartons" function.
2) [Selected Cartons]	Click and go to "X-Dock Combine – Selected Cartons" function.

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3) [Exit]	Close the current function and return to "4.6 X-Dock
	Operations" menu screen.

3.14 X-Dock Combine All Cartons

This function is used to capture information for all cartons movement from Cart Rack (From) and to Cart Rack (To). After user selects this function, the following screen is displayed for X-Dock Combine data input:

X-Dock Combine - All Cartons	
Cart Rack(From):	
Cart Rack(TO):	
Carton Sticker ID:	
Carton Sticker ID	
Record: Carton Er	nquiry
Confirm Browse E	ixit
🐉 🥵 I-Dock Combine 🛞 🍛 CH	of 🏴 🔁

Figure 3.14.1 – Input Screen of X-Dock Combine-All Cartons

For Data Input – The operation steps are listed as below for X-Dock Combine – All Cartons:

 Scan/Input cart rack sticker in field "Cart Rack (From)" for move out from. If user scanned/input an incorrect Cart Rack No., program will prompt an error message as Figure 3.14.2(a), else if Cart Rack does not exist in back end database, program will prompt an error message as Figure 3.14.2(b),else all cartons in the cart rack will display in grid table as Figure 3.14.3;

X-Dock Combine - All Cartons	X-Dock Combine - All Cartons
Cart Rack(From): 88	Cart Rack(From):
Cart Rack(TO):	Cart Rack(TO):
Carton Sticker ID:	Carton Sticker ID:
Car OK X DC_RF_System OK X I Please input a correct cart rack no.	Carton DC_RF_System OK X
Record: Carton Enquiry	Record: Carton Enquiry
Confirm Browse Exit	Confirm Browse Exit
🐉 🥵 I-Dock Combine 🗃 🍛 🖽 🥑 🏴 😤	🐉 🥵 I-Dock Combine 🕀 🍛 🖽 🥑 🏴 😤

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(a) (l)
--------	---

Figure 3.14.2 – X-Dock Combine All Cartons -> Cart Rack (From) Check

X-Dock Combine - All Cartons						
Cart Rack(From):	88000:	18888888888				
Cart Rack(TO):						
Carton Sticker ID:						
Carton Sticker I	D					
88554411223366999						
88855566644411228						
Record: 1/2	(Carton Enquiry				
Confirm	Browse	Exit				
🐉 🥵 I-Dock Combi	ne	®% CH 🍠 🏴 🖻				

Figure 3.14.3 – X-Dock Combine All Cartons

- Scan/Input cart rack sticker in field "Cart Rack (To)" for all cartons move to, If user scanned/input an incorrect Cart Rack No., program will prompt an error message as Figure 3.14.2(a), else the input box of Carton Sticker ID will get the focus.
- 3) If need user can scan/Input carton sticker ID to select carton record in grid table, and click button [Carton Enquiry] to display the packed items in the selected carton as Figure 3.14.4;

Carton Enquiry						
Carton Sticker ID: 88855566644411228						
ItemCode	Descript	tion		UOI	0	Qty
1000005	Item_5			eeeeee	324	42
Record: :	1/1					
Barcode/ Item Des Item_5	Item: 200 scription:	00005 Iten	n Code	: 10000	005	
Pack: 15 Qty: 324	Size: 12	15 X 15	Color UOM	: black I: eeeee	eee	;
		Close				
🐉 🥵 Car	ton Enqui	ry	ڪ 😨	сн 🍠	7	

Figure 3.14.4 – X-Dock Combine-Carton Enquiry

- Click button [Confirm] to confirm all cartons movement from Cart Rack (From) to Cart Rack (To);
- 5) After all cartons moved to Cart Rack (To), program will remove all carton records from grid table and set input focus to Cart Rack (From), then highlight the data value and wait for next input;

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- 6) Repeat steps 1 to 5 for other Cart Rack movement.
- 7) User can press button [Exit] return to *Figure 3.13.1* "X-Dock Combine Option" menu screen.
- 8) User can press button [Browse] to browse all cartons in Cart Rack (To) as Figure 3.14.5

The following buttons are available in "Input Screen of X-Dock Combine for All Cartons":

Button	Event
1) [Carton Enquiry]	User can click this button to enquiry all items in the selected carton as "3.14.4 – Carton Enquiry Screen"
2) [Confirm]	User can click this button to confirm all cartons movement from Cart Rack (From) to Cart Rack (To).
3) [Browse]	Click this button to browse all cartons in Cart Rack (To).
4) [Exit]	Close the current function and return to "3.13.1 X-Dock Combine Option" screen.

For Data Browse - after user click the button "Browse" in X-Dock Combine All Cartons, the following screen will displayed.

X-Dock Combine - Bro	wse
Cart Rack(TO):	8800018888884561
Carton Sticker ID:	
Carton Sticker ID	L. C.
88888884445512365	
4	
Record: 1/1	Carton Enquiry
l	Close
🐉 🎇 I-Dock Combine	e 🕲 🞐 🖽 🍠 🏴 着

Figure 3.14.5 – Browse Screen of X-Dock Combine

The operation steps are listed as below for X-Dock Combine - Browse:

- 1) User can press button [Carton Enquiry] to display the packed items in the selected carton as *Figure 3.14.4*.
- 2) User can press button [Close] to return to the parent screen: X-Dock Combine All Cartons.

The following buttons are available in "Browse Screen of X-Dock Combine":

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Button	Event
1) [Carton Enquiry]	User can input or select carton record in grid table, and then click this button to enquiry all items of the selected or input carton as " <i>3.14.4 – Carton Enquiry Screen</i> ".
2) [Close]	Close the current screen and return to "3.14.1 Input Screen of X-Dock Combine for All Cartons".

3.15 X-Dock Combine Selected Cartons

This function is used to capture information for the selected cartons movement from Cart Rack (From) and to Cart Rack (To). After user selects this function, the following screen is displayed for X-Dock Combine data input:

X-Dock Combine - S	Selected Cartons
Cart Rack(From):	
Cart Rack(TO):	
Carton Sticker ID:	
Carton Sticker	ID
Record:	Carton Enquiry Remove
Confirm	Browse Exit
🐉 🥵 I-Dock Comb	ine 🕲 😏 CH 💕 🏓 🖻

Figure 3.15.1 – X-Dock Combine-Selected Cartons

For Data Input – The operation steps are listed as below for X-Dock Combine – Selected Cartons:

 Scan/Input cart rack sticker in field "Cart Rack (From)" for move out from. If user scanned/input an incorrect Cart Rack No., program will prompt an error message as Figure 3.15.2(a), else if Cart Rack does not exist in back end database, program will prompt an error message as Figure 3.15.2(b),else program will set input focus to Cart Rack(TO).

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X-Dock Combine - Selected Cartons	X-Dock Combine - Selected Cartons
Cart Rack(From): 8888	Cart Rack(From):
Cart Rack(TO):	Cart Rack(TO):
Carton Sticker ID:	Carton Sticker ID:
Car OK X	Carton DC_RF_System OK × Cart rack can not found.
Record: Carton Enquiry Remove	Record: Carton Enquiry Remove
Confirm Browse Exit	Confirm Browse Exit
<i>(a)</i>	<i>(b)</i>

Figure 3.15.2 – X-Dock Combine Selected Cartons -> Cart Rack (From) Check

- Scan/Input cart rack sticker in field "Cart Rack (To)". If user scanned/input an incorrect Cart Rack No., program will prompt an error message as Figure 3.15.2 (a), else the input box of Carton Sticker ID will get the focus.
- 3) Scan/Input carton sticker ID to move from "Cart Rack (From)" to "Cart Rack (To)". If the input sticker ID can be found in data of "Cart Rack (From)", program will add carton record into grid table of carton sticker ID as Figure 3.15.3(a), else program will prompt error message as Figure 3.15.3(b) and let user input again.

X-Dock Combine - S	elected Cartons	X-Dock Combine - Selected Cartons			
Cart Rack(From):	8800018888888888	Cart Rack(From):	8800018888888888		
Cart Rack(TO):	8800018888884561	Cart Rack(TO):	8800018888884561		
Carton Sticker ID:	88855566644411228	Carton Sticker ID:	88855566644411229		
Carton Sticker ID		Car DC_RF_System	ОК 🗙		
88855566644411228		888 Carton Sti Cart Rack	icker ID cannot be found in (From).		
Record: 1/1	Carton Enquiry Remove	Record: 1/1	Carton Enquiry Remove		
Confirm	Browse Exit	Confirm	Browse Exit		
💐 🥵 X-Dock Combin	ie - Selec 🌭 🗃 🗐 🏓 🔁	💦 🥵 X-Dock Combine	e - Selec 🞐 🗑 🚳 🍠 💌 着		
	<i>(a)</i>		<i>(b)</i>		

Figure 3.15.3–X-Dock Combine Selected Cartons -> Carton Sticker ID Input

4) If need user can user can click button [Carton Enquiry] to display the packed items in the selected carton as *Figure 3.15.4*;

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Carton End	quiry					
Carton St	icker ID:	88855	56664	441122	28	
ItemCodε	Descript	tion		UOL	0	Qty
1000005	Item_5			eeeeee	32	42
Record: :	1/1					_
Barcode/	Item: 200	00005				
Item Des	scription:	Iten	n Code	: 10000	005	;
Item_5						-
Pack: 15	Size:	15 X 15	Color	: black		
Qty: 324	12		UOM	l: eeee	eee	2
		Close				
-		0,000	1			
💦 👫 Car	ton Enqui	ry	🕏 🌮	сн 🍠	9	1

Figure 3.15.4 –X-Dock Combine-Carton Enquiry

- 5) For the incorrect input of carton sticker ID, user can click button [Remove] to remove the selected carton sticker ID from grid table if need;
- 6) Repeat steps 3 to 5 for more cartons movement input;
- 7) After finish carton selection, click button [Confirm] to confirm the selected cartons movement from Cart Rack (From) to Cart Rack (To);
- 8) Repeat steps 1 to 7 for other Cart Rack movement.
- 9) User can press button [Browse] to browse all cartons in Cart Rack (To) as *Figure 3.15.5*.
- 10) User can press button [Exit] return to *Figure 3.13.1* "X-Dock Combine Option" screen.

Button	Event
1) [Carton Enquiry]	User can click this button to enquiry all items in the selected carton as "3.15.4 – Carton Enquiry Screen"
2) [Remove]	User can click this button to remove the selected carton sticker ID from grid table if input is incorrect.
3) [Confirm]	User can click this button to confirm the selected cartons movement from Cart Rack (From) to Cart Rack (To).
4) [Browse]	Click this button to browse the cartons list in Cart Rack (To) after cartons moved.
5) [Exit]	Close the current function and return to "3.13.1 X-Dock Combine Option" screen.

The following buttons are available in "Input Screen of X-Dock Combine for Selected Cartons":

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For Data Browse - after user click the button "Browse" in X-Dock Combine Selected Cartons, the following screen will displayed.

X-Dock Combine - Bro	wse
Cart Rack(TO):	8800018888884561
Carton Sticker ID:	
Carton Sticker ID	
88888884445512365	
Record: 1/1	Carton Enquiry
	Close
🐉 👷 I-Dock Combine	: 🕲 🕹 🖬 🍠 🏴 着

Figure 3.15.5 – X-Dock Combine-Browse

The operation steps are listed as below for X-Dock Combine - Browse:

- 1) User can press button [Carton Enquiry] to display the packed items in the selected carton as *Figure 3.15.4*.
- 2) User can press button [Close] to return to the parent screen: X-Dock Combine Selected Cartons.

The following buttons are available in "Browse Screen of X-Dock Combine":

Button	Event
1) [Carton Enquiry]	User can input or select carton record in grid table, and then click this button to enquiry all items of the selected or input carton as " <i>3.15.4 – Carton Enquiry Screen</i> ".
2) [Close]	Close the current screen and return to "3.15.1 Input Screen of X-Dock Combine for Selected Cartons".

3.16 Loading

When user selected the function [Loading] in main menu, program will display the following screen of the Loading Menu:

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Loding Option
1. Load Adjustment
2 Dolivory Info
- · · · · · ·
3. Load Manifest
0. Exit
🔊 🔽 ading Option 🛛 🖓 🖓 🖓

Figure 3.16.1 –Loading Option Screen

User can click the relation button or enter the relation number to enter the function or return to the main menu screen.

The following buttons are available in "Loading Option" screen:

Button	Event	
1) [Load Adjustment]	Click and go into "Load Adjustment" function.	
2) [Delivery Information]	Click and go into "Delivery Information" function.	
3) [Load Manifest]	Click and go into "Load Manifest" function.	
4) [Exit]	Click and return to "3.4.1 Main Menu" screen.	

3.17 Delivery Information

This function is used to capture preparation data for delivery information, and print in PROFIT side by store each time completed scan cart rack for that particular store. After user selects this function, the following screen is displayed:

Delivery Informat	ion		
Cart Rack:			
Store Code:			
Cart Back			Hos.
Record:			
Complete	Dalata	1 64	11
Compiete	Delete	Exat	
🐉 🤶 Delivery	Informs	93 CH 3	1 🗩 着

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Figure 3.18.1 – Input Screen of Delivery Information

For Data Input – The operation steps are listed as below for Delivery Information:

- 1) Scan/Input Cart Rack sticker, and program will check:
 - If user scanned/input an incorrect Cart Rack No., system will prompt an error message as Figure 3.18.2.
 - If cart rack cannot be found and not valid for delivery then program will display error message as Figure 3.18.3 and need to input again;
 - If user has scanned the 2nd cart rack and it belongs to another store (cart rack format include store code information and all scanned cart racks must the same in store code for store delivery information), then program will prompt error message as Figure 3.18.4.

Delivery Informa	tion		
Cart Rack:	888		
Store Code:		ļ,	
Cart Back			Bos.
AEON_R	F	OK 🗵	I
	-		
Please in	put a correct	cart rack no.	
-	_	_	1
Record:			
	m train	1	
Complete	Delete	Exit	
2 Belivery	Informa	8 - CI - 3	9

Figure 3.18.2 – Input Screen of Delivery Information -> Cart Rack Check 1

Cart Rack:		888	
Store Code:			100
art Back			Nos.
AEON	RE		
1000			
Cart	Rack cannot be fi	ound.	
Record:			
Record:	Inter 1		
Record: Complete	Delete	Exit	t []

Figure 3.18.3 – Input Screen of Delivery Information -> Cart Rack Check 2

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Delivery	Inform	atio	n			
Cart R	.ack :	880	0028888	8845	61	
Store	Code:	000)1			
Cart Ba	a c k			-		Nos.
88000188	8888888	3				2
	AEON_	RF			ok \times	
Cart Rack belongs to another store.						
- I						•
Record	d: 1/1					
Co	mplete		Delete		Exit	
🤭 👷)eliver	y In:	forma	8	⊳сн 🍠	17 🔁

Figure 3.18.4 – Input Screen of Delivery Information -> Cart Rack Check 3

 If cart rack is valid for particular store delivery, then program displays store code according to Cart Rack barcode format and number of carton of scanned Cart Rack in data grid table as Figure 3.18.5;

Delivery Information				
Cart Rack:	8800018888	3884562		
Store Code:	0001			
Cart Back		-	Nos.	
8800018888888888	1		2	
8800018888884562	:		2	
Record: 1/2				
Complete	Delete	Exit		
🤧 🥵 Delivery	7 Informa	: Эроно (СН)	🖻 🏴 🗧	

Figure 3.18.5 – Delivery Information

- 3) For incorrect scanning, user can click the Cart Rack record to highlight it in data grid table and then click button [Delete] to delete the incorrect loading data;
- 4) When finished data preparation for delivery information, click button [Complete] and program will display the below message:

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Delivery	Informat	ion			
Cart Ra	ack: 🛛	8000188	888845	52	
Store C	ode: 🚺	001			
Cart Ba	ck.		100		Nos.
88000186	Complete	DO Con	firm	1	2
8800018				0.80	2
		Yes	No]	
Record	: 1/2				
Co	mplete	Delet	e	Exit	
2 S.B.	elivery	Informa.		-01 3	

Figure 3.18.6 – Delivery Information -> Complete Confirmation

5) If user click button "No" then program go back to previous screen; else if user clicks button "Yes", then program will prompt below message as below to inform user that delivery information completed and send upload data to PROFIT to print Delivery Information directly:

Delivery Information			
Cart Rack: 8800018888884562			
Store Code: 0001			
Cart Back	Nos.		
880001888000000	2		
880001888 AEON_RF OK 🔀	2		
print Delivery Information.			
Record: 1/2			
Complete Delete Exit			
🐉 🧏 Delivery Informa 🕲 😏 CH 🍠) 🏓 🔁		

Figure 3.18.7 – Delivery Information -> Data Upload Message

- 6) After complete previous delivery information, program will close the current screen and return to *Figure 3.18.1* "Input Screen of Delivery Information" screen for other delivery preparation;
- 7) Repeat steps 1 to 6 for the next delivery information preparation.

The following buttons are available in "Input Screen of Delivery Information" screen:

Button	Event
--------	-------

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1) [Complete]	Click this button to complete the current delivery and upload data to PROFIT to print delivery information.
2) [Delete]	Click this button to delete the selected loading record in grid and program will prompt message box to let user confirm.
3) [Exit]	Close the current function and return to "3.16.1 Loading Option" screen.

3.18 Load Manifest

This function is used to capture data for loading manifest. After user selects this function, the following screen is displayed:

Load Manifest			
Lorry NO.:			
Store Code:			
Cart Rack:			
Cart Back			Nos.
Record:			
Complete	Delete	Exit	
🐉 🤗 Load Bani	fest	🗑 🌭 СН 👙	/ 🗭 🔁

Figure 3.19.1 – Input Screen of Load Manifest

For Data Input – The operation steps are listed as below for Load Manifest:

 Input Lorry No., Lorry No. can be used in several Load Manifests for different stores; If user scanned/Input an incorrect format Lorry No., program will prompt an error message as below.

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Load Manifest			
Lorry NO.:	88		
Store Code:			
Cart Rack:			
Cart Back			Nos.
AEON	_RF	ок 🗵	
Pleas	e input a correct	: Lorry no.	
Record:			
Complete	Delete	Exit	
-			1 I

Figure 3.19.2 – Load Manifest -> Lorry No Check

- 2) Scan/Input Cart Rack sticker, and program will check:
 - If user scanned/input an incorrect Cart Rack No., system will prompt an error message as Figure 3.19.3.
 - If cart rack cannot be found and not valid for delivery then program will display error message as Figure 3.19.4 and need to input again;
 - If user has scanned the 2nd cart rack and it belongs to another store (cart rack format include store code information and all scanned cart racks must the same in store code for store delivery information), then program will prompt error message as Figure 3.19.5.

System Assumption: Lorry No. can be used in several Load Manifests for different stores, but one loading manifest for particular lorry and store can only have one user to do at the same time.

Load Ma	nifest			
Lorry N	NO.:	8888888		
Store (Code:			
Cart R	ack:	88		
Cart Ba	ck			Nos.
	AEON_	RF	ок 🗙	
Please input a correct cart rack no.				
Record	t:			
Co	mplete	Delete	Exit	
🤧 👷 L	.oad B ar	ifest	🛞 🦫 СН 🍠	n 🏴 🔁

Figure 3.19.3 – Input Screen of Load Manifest -> Cart Rack Check 1

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Load Manifest		
Lorry NO.:	8888888	
Store Code:		
Cart Rack:	888888888888888888888888888888888888888	
Cart Back		Nos.
	AEON RE OK 🔀	
	Cart Rack cannot be found.	
Record:		
Complete	e Delete Exit	
🛃 🔍 Load 🔳	anifest 🗑 🗫 🖽 🗒) 💋 🔁

Figure 3.19.4 – Input Screen of Load Manifest -> Cart Rack Check 2

Load	Manifest			
Lorry	y NO.:	8888888		
Store	e Code:	0001		
Cart	Rack:	88000188888	88888	
Cart	Back .			Nos.
88000:	AEON_RF		ОК 🗙	2
Cart Rack belongs to another store.				
				•
Reco	ord: 1/1			
(Complete	Delete	Exit	
*	Load Bar	ifest	🕲 🎐 СН 👌) 🏓 🖻

Figure 3.19.5 – Input Screen of Load Manifest -> Cart Rack Check 3

3) If cart rack is valid to load, then program displays store code according to Cart Rack barcode format and number of carton of scanned Cart Rack in data grid table as below;

Load Manifest			
Lorry NO.:	8888888		
Store Code:	0001		
Cart Rack:	88000188888	88888	
Cart Back			Nos.
88000188888888888			2
Record: 1/1			
Complete	Delete	Exit	
🏞 🧏 Load 💵	ufest	🗑 🎐 СН 🍠) 🏓 🔁

Figure 3.19.6 –Load Manifest

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- 4) For incorrect scanning, user can click the Cart Rack record to highlight it in data grid table and then click button [Delete] to delete the incorrect loading data;
- 5) When finished loading, user can click button [Complete] and program will display the below screen to let user input at least two truck seals as below:

Load Manifest - Co	nfirmation
Truck Seal1:	
Truck Seal2:	
Truck Seal3:	
Truck Seal4:	
Truck Seal5:	
Truck Seal6:	
Confirm	Close
💐 🥵 Load Manifest	t - Confirm 🗑 🎐 🗑 🏓 🖻

Figure 3.19.7 – Confirmation Screen of Load Manifest.

- 6) Input truck seals 1 and 2 or input all more truck seals in the screen as figure 3.19.7;
- After finish checking and need to continue loading data scanning, user can click button "Close" to return to "Input Screen of Load Manifest" to continue to scan loading data;
- 8) After finish checking for the Load Manifest, user can click button "Confirm" and program prompt below message:

Store Code: 0001 Cart Rack: SS00015SSSSSSSSS Complete DO Confirm Son All oading completed.Do you wish to close Load Manifest? Yes No 4 Record: 1/1	Lorry NO .:	8888888	
Cart Reck- SCOOLSSSSSSSSS Cart R Complete DO Confirm Ros. All oading completed.Do you wish to close Load Manifest? Yes No All Complete Do Load Manifest?	Store Code:	0001	
All pading completed Do you wish to dose Load Manifest? Yes No Record: 1/1	Cart Rock	te DO Confin	
Record: 1/1	8800018 All oad	ng completed.(Do you wish to
Complete Dates Date	close L	oad Manifest?	No
COPPENDING LINGUISIO	dose Li	oad Manifest?	No

Figure 3.19.8 – Load Manifest -> Complete Confirmation

9) If user click button "No" then program go back to previous screen; else if user clicks button "Yes", then program will prompt below message to inform user that Load Manifest completed and send upload data to PROFIT to print Load Manifest directly:

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Load Manifest			
Lorry NO.:	8888888		
Store Code:	0001		
Cart Rack:	88000188888	88888	
Cart Bat AEON	_RF	ок 🗙	Nos.
Data v print [will be upload to (Delivery Informati	PROFIT to on.	2
 ▲ Record: 1/1 			•••
Complete	Delete	Exit	
🐉 🥵 Load 💵	ifest	🔁 🎐 СН 🏓	🗩 🖷

Figure 3.19.9 – Load Manifest -> Data Upload Message

- 10) After complete previous load manifest, program will close the current screen and return to *"Figure 3.19.1* Input Screen of Load Manifest" screen for next loading;
- 11) Repeat steps 1 to 10 for the next loading.
- 12) User can click the [Exit] button to return to the Loading menu as Figure 3.16.1.

Button	Event
1) [Complete]	Click this button to complete loading and upload data to PROFIT to print Load Manifest.
2) [Delete]	Click this button to delete the selected loading record in grid and program will prompt message box to let user confirm.
3) [Exit]	Close the current function and return to "3.16.1 Loading Option" screen.

The following buttons are available in "Input Screen of Load Manifest" screen:

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4. PC Application

This Program is used to view and print Receiving Note. User can run the program "DC RF System" in the DC RF Server.

The operation steps are listed as below for PC Application:

1) Run the PC program. When the program is run, the below screen will be displayed.



Figure 4.1 – Splash screen

2) When the splash screen is loaded complete, the main form of the program will be displayed as below.

AEON DC I	RF System	×
/EON	DC RF System ⁾⁾	
Receiving	Note	
Stock	-point Receiving	
C X-Do	ck Receiving By Store	
C X-Do	ck Consolidation Receiving	
Print Optio	n	
PO NO:	1	
	1	
I Prev	iew	
	Dirict	Class 1
		Close

Figure 4.2 – Main Form

- 3) Choose which type of receiving note to print in the group box "Receiving Note" as Figure 4.2.
- 4) Enter the PO NO. in the group box "Print Option" as Figure 4.2.

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5) Check the option "Preview" if you want to preview the receiving note as Figure 4.2.

EON	DC RF System ¹⁾	
Receiving	Note	
• Stock	-point Receiving	
C X-Do	ck Receiving By Store	
C X-Do	ck Consolidation Receiving	
Print Optio	n	
PO NO:	000000000000000000000000000000000000000	
Prev	iew	
		1000

Figure 4.3 – Main Form

6) Click the button "Print", program will show the printed count of the current PO NO as below.



Figure 4.4 – Printed count

7) When user close the dialog of printed count, if the option "Preview" is checked the preview screen of the receiving note will be displayed as below, else program will print the receiving note to printer.

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Figure 4.5 – Receiving Note Preview screen

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5. Appendix

5.1 Item Master Format

	Current	PROFIT	In-House Label
	Item Code		(EAN 13)
PLU	XXXXXX	Existing code migrate	20 00 0XXXXXXC C
Food (Normal)		to PROFIT by add a	
Food		'01'+ Existing Item	
(Perishable)		Code.	
		010000C To	
		0199999C	
		New Range	
		020000C To	
		9999999C	
Non-PLU	2XXXX0	New Range	22 FXXXX PPPPP C
Food		00(F)0000C To	
(Perishable)		00(F)9999C	
(Price Embedded)			
PLU	XXXXXX	Mapping	20 00 0XXXXXXC C
GMS (Normal)		0100000C To 0199999C	
		New Range	
		0200000C To 9999999C	
PLU	XXXXX9	Mapping	<mark>20</mark> 00 0xxxxxxc c
GMS (Promotion)		0100000C To 0199999C	
		New Range	
		0200000C To 9999999C	
Non-PLU	Subdept	New Range	23 FXXXX PPPPP C
Concess	XXXX	00(F)0000C To	
(Price Embedded)		00(F)9999C	