

# WAREHOUSE MANAGEMENT SYSTEM

CRiSTAL Warehouse Management System Radio Frequency Application Menu RF Edition 2.3.38

# Using the WMS RF System

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**Welcome** to the CRiSTAL Warehouse Management System Radio Frequency user application manual. This user manual shall provide as much information to help our users to familiar with the application. However, there would be cases whereby a function can be navigated in other ways or whereby the provided information is not sufficient, therefore for clarification and more information please do not hesitate to contact the CRiSTAL help support. The contactable numbers are found on front page of this manual.

In this manual, "users" are referred to the person using the CRiSTAL RF application in their warehouse operation.

The primarily function of RF application is meant for operational purposes while the user is "on-the-go" performing its warehouse tasks and retrieve/input data at the same time. The functional buttons in the RF application consists of

Check In / Putaway; Putaway by task; Pick Sales order; Pick by Task; Replenish by Task; Inventory Query; Stock Adjustment; Pallet Relocation; Item Relocation and Logout and Exit

However certain users could be barred from accessing certain "unauthorised" modules that is dependent on how the system is configured on user level. Please check with your IT administrator.



## 1. How to get Started (Logging In)

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User has to ensure that CRiSTAL WMS RF application is installed into Microsoft Pocket PC terminal by its authorised project team and professional vendor using 801.11B network frequency commissions the wireless network.

To ensure that the PDA equipment functions properly, CRiSTAL advises its users to verify the certified equipment before purchase.

Occasionally in this manual, we indicate keying of data using either touch pad or key pad (if available), please note that users should scan the appropriate bar code if their PDA is equipped with the bar code scanning capability. Please ensure that field cursor is at the correct field and scanning is made on the correct bar-code.

For touch pad function, user uses a stylus pen to tab on the screen directly.

Users will notice that the CRiSTAL RF application consists of entry fields in either white/clear or colored. The clear field denotes that the system requires input from the user while the colored field are data that the system shall generate.



1.1. Turn ON the PDA and tab on the "Start" on the top left of screen



1.2. Select and tab the WMS icon







1.3. The rotary sign indicates that the PDA is searching for the application

AL Solutions Pi thtp://www.c	te Ltd, S	ingapore	
	nstalsolu		_
****		Cancel	
	CRISTAL1 **********	CRISTAL1 *******	CRISTAL1 OK  ********* Cancel

1.4. The CRISTAL WMS RF Log in screen appears. Key in the User ID and Password using either the touch pad or keypad (if available). The screen will proceed to the various function buttons



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#### 2. LOGGING OUT AND EXIT

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The "Logout & Exit" modules allows user to temporally log out or exist the CRISTAL RF application.

Note: Every "Log-In" RF terminals are considered as a concurrent user. Therefore, it is recommended that the user Exit WMS so to allow others to use the application.



2.1 Tab on the "Logout & Exit" button.



2.2 A pop out message appears. Select "No" is user is only temporarily logging out of CRiSTAL RF application.







2.3. After selecting "No" to Exist WMS, CRISTAL opening screen appears.

🖅 CRISTAL WM9	5 RF	👥 🚺 17:42	
CRI	S	TAL	
CRISTAL WMS	RF		
Exit WMS pr		ogram?	
Ye	No	Cancel	
y Putaway by Task		Stk Adjustment	
Pick Sales Order	1 8	Pallet Relocate	
Pick By Task	1	Item Relocate	
Replenish By Task		Print Label	
Next Page>	]	Logout & Exit	
File			

2.4. However, if user wish to exist completely to the Pocket PC screen, select "Yes" button instead.



2.5. The Pocket PC screen appears. To go back to CRiSTAL RF application, follow step 1.2.



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# 3. CHECK IN / PUTAWAY

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The Check In/Putaway function is primarily to conduct the various checking in functions such a such as receiving of goods in ad-hoc, planned, transits or returned goods. The application also allow immediate putaway either manually assigned to a location or by system.

📃 🔛 15:04 💽
PERFECTION 2.3.38 5, All Rights Reserved Deterted Singapore
.cristalsolutions.com : CRISTAL1
Inventory Qry
Inventory Qry Stk Adjustmint
Inventory Qry Stk Adjustmant Pallet Relocate
Inventory Qry Stk Adjustment Pallet Relocate Item Relocate
Inventory Qry Stk Adjustment Pallet Relocate Item Relocate Print Label

3.1. Select and tab on the "Check In/Putaway" button.

🎊 Che	ck In / Puta	wa: 💷 [	15:05 🧕	ß
Client	BECKBCOLT	R#		
R Type	MANUAL 👻	Date 0	5- Jan -2005 🔻	-
Header		64 h.c		_
Whse	KCC 👻	Station	СНККСС 🔻	
Supplier		DocRef #		
Carrier		PO #	2	
Vehicle		50 #		
Containe	r		·	
Remark	B			
Status				1
New Ro	pt Close R	eceipt	ave Header	22 - 52 - 52
Cancel	Header Det	ails Other	s Main Menu	1
Serial N	los			•

3.2. The Header screen display defaulted fields. The user should select appropriately. The mandatory fields are Client, R# (receipt number), Whse (warehouse) and Station (check in station).

To select the Client, tab on "Client"



Cileric 2	Client Name		
BECKBCOLT	Beck Colt n Company		
JAPACBMCA	JAPAN CORPORATION		
JAPACBMHC	JAPAN CORPORATION		
JAPACBMIS	JAPAN CORPORATION		
LAURA	LAURA LAURA		
MEALA	Mea Lala and Company		
MILLINTLI	Mill International Limited		
TOMEDEVCO	DEVICE CORPORATION		
TOMEELEHK	HK ELECTRONICS		
TOMEHKOCO	TOMEN LIMITED		
TOMENICOCO			
	Ш		
	W   •		

3.3. A list of all Clients will be display. Select and tab on the client.

R Type M/ Header Whse YT Supplier Carrie <mark>CRIS</mark> Vehic Conta	TAL WM	Date Station DocRef	11-Oct-2004 ▼ # 12345 Receiving
Header Whse YT Supplier Carrie <mark>CRIS</mark> Vehic Conta	W -	Station DocRef	# 12345
Carrie <mark>CRIS</mark> Vehici Conta		IS RF	
Rema	7 Statio	on!	
Status DA	ATA ENTRY Close R	eceipt tails Oth	Save Header

3.5. If any mandatory fields are omitted, 3.6. Go to the appropriate field and tab the system shall prompt an error on the drop-down bar to select the message. Tab "ok" to close the error correct field. message.

Client	Client Name		
BECKBCOLT	Beck Colt n Company		
JAPACBMCA	JAPAN CORPORATION		
JAPACBMHC	JAPAN CORPORATION		
JAPACBMIS	JAPAN CORPORATION		
LAURA	LAURA LAURA		
MEALA	Mea Lala and Company Mill International Limited DEVICE CORPORATION		
MILLINTLI			
TOMEDEVCO			
TOMEELEHK	HK ELECTRONICS		
TOMEHKOCO	TOMEN LIMITED		
<b>ا</b>			
Cancel   JAPACE	3MCA Select		

3.4. The selected client will be displayed. Tab "Select"

Client	JAPACBMC	R# C	R00000229
R Type	MANUAL	▼ Date 1	1-Oct -2004 🔻
Header			
Whse	YTW	<ul> <li>Station</li> </ul>	
Supplier	1	DocRef #	CHKKCC N
Carrier	2	PO#	CHKYTWY
Vehicle	14 1	50#	
Containei			
Remark			
Status	DATA ENT	RY	
New Ro	pt Close	Receipt	ave Header
Cancel	Header D	etails Other	s Main Menu
Serial N	los		



Client	JAPACBMC	R# (	R00000229
R Type	MANUAL 👻	Date 0	5- Jan -2005 🔻
Header		- 10 E	
Whse	ксс 🗖	Station	СНККСС 🔻
Supplier		DocRef #	
Carrier	8	PO#	
Vehicle		] so#	
Containe	r	19 I I I I I I I I I I I I I I I I I I I	85
Remark			
Status	1		÷
New R	cpt Close F	Receipt	iave Header
Canaal	- Haadar Da	taile Other	Main Monu

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3.7. For new receipt, tab on "New Rcpt" button so that system assign new receipt ref. Number. Otherwise Tab "R this receipt number. Tab "Details" to #" to look for pre-entered receipt.

🏂 Ch	eck In / Puta	wa: 🖳	🔌 🚺 15:12 🐽
Client	JAPACBMC	R #	CR00000229
R Type	MANUAL 👻	Date	11-Oct -2004 🔻
Details	5	84	]
Pallet		1000	<b>•</b>
New F	Pallet #	Vie	w Pallet Items
Item			?
иом	-	Owner	
Qty		Remo	ove from Pallet
Grade	•	A	dd to Pallet
Find L	oc		Putaway
Cancel	Header Det	ails Oth	ners Main Menu
Serial	Nos		₩.

3.9. If receipt is place on "new pallet", tap "New Pallet" so that the system assigns pallet number. а new Otherwise, tab drop-down arrow to select which existing pallet shall be used to place the goods.

Client	JAPACBM	IC R#		000022	9
R Type	MANUAL	▼ Date	e 11-	Oct -200	)4 🕶
Header	-		101		
Whse	KCC	▼ Statio	on 🧧	HKKCC	-
Supplier		DocR	ef # 1	2345	
Carrier		PC	⊃# [		
Vehicle		so	⊃# [		Ĩ
Containe	r		10		
Remark					
Status	DATA EN	TRY			
New R	cpt Clos	e Receipt	Sav	e Head	er
3 <sup>2 ×</sup>				145	
		D I I    D	thora	Bd aim Bd	

3.8. After all header fields are in order, tab "Save Header". The system books select pallet/ product items.

ह Che	eck In / Puta	wa: 🖳	) 🚺 15:13 🐽
Client	JAPACBMC	R #	CR00000229
R Type	MANUAL 👻	Date	11-Oct -2004 🔻
Details		88	
Pallet	JAPACBMCA00	000234	IS 👻
New P	allet #	Vie	w Pallet Items
Item [	0		?
иом [	-	Owner	
Qty [		Remo	ove from Pallet
Grade [	-	A	dd to Pallet
Find Lo	00		Putaway
Cancel	Header Det	ails Oth	ners Main Menu
Serial I	Vos		<b>⊠</b>  ^

3.10.	This	screen	shows	new	assigned
pallet	num	ber			



Client	ACBMC R	# CR00000229
R Type MAN	JUAL 🔻 Da	te 11-Oct-2004
Details —	88	hôt
Pallet JAPA(	EBMCA00000	)2345 👻
New Pallet #	¥ [	View Pallet Items
	-13	2 2020-22
Item	63755	
UOM	▼ 0w	vner
Oty 🗌	R	emove from Pallet
Grade		Add to Pallet
		Had to Fallot
Find Loc		Putaway

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3.11. To select the product that is 3.12. If "?" button is used, use "%" receiving, either use the "?" button or followed by part of the product code so key the product code using the touch that system will list all products bearing pad or key pad (if available)

🎊 Check In / Puta	wa: 🖳	) 🚺 15:13
Client JAPACBMC	R #	CR00000229
R Type MANUAL 🔻	Date	11-Oct -2004 🔻
Details	55	
CRISTAL WMS R	F	ob)
It Please er pattern ( '%ABC', '	iter an e.g. 'A '%ABC'	SQL search BC%', %').
Qty	Remo	ove from Pallet
Grade 🔻	A	dd to Pallet
Find Loc		Putaway
Cancel Header Det	ails Oth	Main Menu
Serial Nos		€

prompt to request.

Date 11-Oct-2004 002345 View Pallet Items
002345  View Pallet Items
002345  View Pallet Items
View Pallet Items
3
Remove from Pallet
Add to Pallet
Putaway
s Others Main Menu

part of the product code.

Item #	Description	-
350DP/AL	CALCULATOR	
350DP/ES	CALCULATOR	
350DP/UL	CALCULATOR	
350DPII/ES	CALCULATOR	
350DPII/UK	CALCULATOR	
355DPIII/AU	CALCULATOR	
355DPIII/ES	CALCULATOR	
355DPIII/UL	CALCULATOR	
420DPII/ES	CALCULATOR	
440DPII/ES	CALCULATOR	
440DPII/UL	CALCULATOR	
462DPII-CE	CALCULATOR	
480DPII/ES	CALCULATOR	100
540DP/ALL	CALCULATOR	
<u> </u>		•
Cancel 3500	P/AU Se	lect

3.13. Without the "%", the system will 3.14. After the system list all products, select and tab on the product. The display shows selected products. Tab "Select" if it is correct or "Cancel" to reselect.



Client	JAPACBMC	R #	CR00000229
R Type	Manual 👻	Date	11-Oct -2004 •
Detail	s	85	13
Pallet	JAPACBMCA0	0000234	15 👻
New I	Pallet #	Vie	w Pallet Items
		<u>0</u> 2	1000
Item	350DP/AU		?
UOM	PC 👻	Owner	•
Qty	100	Remo	ove from Pallet
Grade	01 🔻	N A	dd to Pallet
2	L]	-ht	
Find L	.00		Putaway
200 200 - 200			
Cancel	Header Det	ails Oth	ners Main Menu

3.15. Enter the correct Quantity and tab "Add to the Pallet"

ह Ch	eck In / Puta	wa: 🖳	🔌 🚺 15:19 🐽
Client	JAPACBMC	R#	CR00000229
R Type	MANUAL 👻	Date	11-Oct -2004 🔻
Details		88	10: 
Pallet	JAPACBMCA00	000234	ł5 🔻
New F	allet #	Vie	Pallet Items
Item [	l	15	?
UOM [	-	Owner	
Qty [		Remo	ove from Pallet
Grade [	-	A	dd to Pallet
Find L	oc		Putaway
Cancel	Header Det	ails Oth	ners Main Menu
Serial	Nos		<b>=</b>

3.17. When all receiving products are enter, tab "View Pallet Items" to verify all data are correct.

Client	JAPACBMC		R #	CR0000	0229
R Type	MANUAL	-	Date	11-Oct	-2004 🔻
Others	161	- 63		15	
Exp Dt			Class	;	
Mfg Dt 🛛			Color	·	
Lot #			Size		Ţ
Batch #			Weig	iht	
i i i i i i i i i i i i i i i i i i i		Pk	g Heig	ht	
Curren	ncy	Pk	ig Widt	h	j
6	871	Pk	g Dept	h 🚬	Ŷ
Unit Pi	rice	P	PO Pka	2	+
		D			_
20		- 14	4.44		an a
Cancel	Header D	etai	Is Oth	ers Mai	n Menu

3.16. If there are other controlled attributes, the Other screen shall appear. Enter the required field and tab "Details" to continue with the rest of receiving items. Continue Step 11 to 16.

Client	JAPACBMC	R#	CRC	0000229
R Type	MANUAL 👻	Date	11-	Oct -2004
Pallet	JAPACBMCA	000002	2345	
Line	Item		4	UOM
1	350DP/AU		N	PC
2	AX-1200		151	PC
<b>4</b> III.				
<b>∢ Ⅲ</b> Whse			].	Close
<b>∢ Ⅲ</b> Whse Locatio	n			Close Edit
<b>∢ Ⅲ</b> Whse Locatio Cance	n Header Det	ails Ot	hers	Close Edit Main Mer

3.18. To view, tab on left-right arrow to stroll. If all are okie, tab "Close". To edit, tab on the selected product line, tab "Edit". The selected detail page appears to allow user to edit accordingly.



Ch	eck In / Puta	wa: 📮	刘 🔳 15:21
Int	JAPACBMC	R#	CR00000229
pe	MANUAL 👻	Date	11-Oct -2004
w F	allet #	Vie	ew Pallet Items
	<b>_</b>	Owne	r] [
		Rem	ove from Pallet
do İ	01 🔻	A	dd to Pallet

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Client	JAPACBMC	R#	CR00000229
R Type	MANUAL -	Date	11-Oct -2004 -
Detail: Pallet	S JAPACBMCA00 Pallet #	)000234 Vie	IS ▼
Item		Owner	?
		Demo	ve from Pallet
Grade	01 🔻	A	dd to Pallet
Find L	.oc A2010102	2	Putaway
Cancel	Header Det	ails Oth	ners Main Menu
Corial	Noc		i man

3.19. To putway to location, tab "Find 3.20. The location field allow manual Loc" or key in the actual location by adjustment. using touch pad or key pad (if available).

Cancel Header Details Others Main Menu

\*\*\*

Serial Nos

🔊 Che	eck In / Puta	iwa: 🖳	15:2	1
Client	JAPACBMC	R #	CR000002	29
R Type	MANUAL 👻	Date	11-Oct -20	004 🔻
P CRIS	TAL WMS R	łF		۵
1 <table-cell></table-cell>	Error Coo Error Ms Warehou (KCC,A20 exist!	de : -3 g : Put use loca 010102	away erro ation ?) does no	r! t]
ql. Grade [	01 🔻	A	dd to Pallet	
Find L	oc A201010	2	Ruta	way
Cancel	Header Det	ails Oth	ners Main I	Menu
Serial I	Nos		i.	

3.21. However if manual override is 3.22. Check the pre-assigned location, made to a location that has not be edit the location and tab "Putaway" configured to store any of these when they are correct. products, an error appears.

Client	JAPACBMC	R#	CR00000229
R Type	MANUAL 👻	Date	11-Oct -2004
Details		255	15
Pallet	JAPACBMCA0	0000234	15 🔻
New F	allet #	Vie	w Pallet Items
	5	28	1000
Item		-	?
UOM		Owner	•
Qty		Remo	ove from Pallet
Grade	01 🔻	A	dd to Pallet
-			
Find L	oc A201010	1	Putaway
[ ]		4 04	N
Cancel	Header Det	ails Oth	hers Main Mer
S. 0.50 E	6M		



ह Che	ck In / Puta	iwa: 🗾 🚺 15:22	
Client	JAPACBMC	R # CR00000229	
	TAL WMS F	RF 11 Oct 2004	E
Pa Ite UC Qt	Close th (Note: \ new pall once it i	is receipt? 'ou cannot add ets to this receipt s Closed) <b>No</b>	
Grade [		Add to Pallet	) ]
Cancel Serial N	Header Det	ails Others Main Men	u I

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3.23. The system prompts for final 3.24. The system also allows checking confirmation. Tab "Yes" if correct. in of returned goods, transit etc. The

Client	JAPACBMC	R #
R Type	NORMAL	Date 05- Jan -2005 🔻
Others	IW_TRANSF	in the second se
Exp Dt	MANUAL	Class
Mfg Dt	PICK PAUX	Color
Lot #		Size
Batch #		Weight
-		Pkg Height
Curre	ncy	Pkg Width
		Pkg Depth
	rice	PPQ Pkg
		PPQ Qty
Cancel	Header Det	ails Others Main Menu

in of returned goods, transit etc. The user work flow is the same.





#### 4. PUTAWAY BY TASK

The "Putaway by Task" is primarily for user to putaway assigned task(s) or Work Order (WO) after a receiving is made earlier. Users can select their choice WO (in putaway) if more than 1 task have been assigned to the user.

📃 🔛 12:06 🐽
PEACE PEACE RF Edition 2.3.38 5, All Rights Reserved Pte Ltd, Singapore Acristalsolutions.com
CRISTAL1
Inventory Qry
Inventory Qry
Stk Adjustment
ERISTALI Inventory Qry Stk Adjustment Pallet Relocate Item Relocate
ERISTALI Inventory Qry Stk Adjustment Pallet Relocate Item Relocate Print Label

4.1. Select and tab on the "Putaway by 4.2. Users can either select a work Task" button

🎊 Putawa	y By Task 🛛 🗾 🚺 12:09 🐽
WO#	Sts
Task	
Task #	Act #
Item	
Descr	
Qty	
Pallet To	
Loc To	
Pallet To	
Item	
Qty	Loc To
Reason	
Cancel Get	Tasks T Det T List Main Menu
Serial Nos	<b>E</b>

order (WO) of their choice or "Get Task" which the system shall assign.



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Task	PUTAWAY	V
Client	PUTAWAY	1
Rcpt #	j	-
Rcpt Status	Find WO#	
WO#		Î
Assigned		2
To WO	Accept WC	
Status		1
Status 🚽		
Cancel	Selec	t

LΥ

4.3. In "WO", user get "PUTAWAY" from the drop-down arrow. Although system display "PICKING", picking job is not allowed in Putaway module

🎊 Putaway By	/ Task 🛛 👥 🚺 14:15 🐽
WO#	Sts
Task	
Task #	Act #
Item	
Descr	
Qty	UOM
Pallet To	
Loc To	
Pallet To	
Item	<u></u>
Qty	Loc To
Reason	<b>•</b>
Cancel Get 🔀 sk	s T Det T List Main Menu
Serial Nos	

4.5. Alternatively, user can "Get Tasks" 4.6. The system assigns WO to user. directly by tabbing of the button.

Task	PUTAWAY	
Client	BECKBCOLT	
Rcpt #		
Rcpt Status	Find	WO#
wo#		
Assigned	1	
To		
Chabur	Acce	ept wo

select 4.4. Select the "Client" AND "Rcpt #" using its drop-down arrow. Tab "Find WO#" to call out the work order task.

> User can decide to "Accept WO" depending on the items display on the screen.

🎊 Puta	away By	Task	- 👥	14:16	•
WO#	MW00002	2279	Sts	ASSIGNED	)
Task —	0	- 72		0	
Task #	1	-	Act #	1	
Item	12064081	1			
Descr	SLEEVE,L	IP PA	INTS #	2	
Qty	100		UOM	PC	
Pallet To	MEALA00	0000	000074	8	
Loc To	AM01010	1		YTW	
Pallet To	MEALA00	0000	000074	8	
Item	12064081	1			
Qty		] L	oc To [		
Reason		•			
Cancel	Get Tasks	ΤD	et T Li	st Main M	enu
Serial N	05			E	≝ ^



WO#	MW000	02279	Sts	ASSIGNED	
Task —	1	j	Act #	1	Ĩ
Item	120640	81	These in	150	=
Descr	SLEEVE	,LIP P/	AINTS #:	2	٦
Qty	100		UOM	PC	
Pallet To	MEALA	00000	0000074	8	
Loc To	AM010	101		YTW	
Pallet To	MEALA	00000	0000074	8	
Item	120640	181			- 2
Qty	100		Loc To [		
Reason	L h	\$ •			
Cancel	Get Task	STE	Det T Li	st Main Me	enu

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4.7. User verify product information and enter the actual quantity into QTY.

WO#	MW0000227	79 Sts	ASSIGNE	2
Task —			-	
Task #	1	Act #	1	- 2
Item	12064081			
Descr	SLEEVE, LIP	PAINTS #	2	
Qty	100	UOM	PC	
Pallet To	MEALA0000	00000074	18	
Loc To	AM010101		YTW	
Pallet To	MEALA0000	00000074	18	
Item	12064081			
Qty	100	Loc To	AM010101	
Reason		· `	43	65
Cancel	Get Tasks T	Det TL	ist Main M	lenu

4.8. User can either putaway to system assigned location ("loc to" in color) or manually putaway to a choice location. Entering of location should be scanned on the actual location bar-code.

After scanning the actual location barcode or using Enter keypad, the system assigns next line (if available).

👧 Pu	itaway By T	ask 👥	14:23
WO#	MW000022	279 Sts	ASSIGNED
Task #	1	Act #	1
Ite CR De Qt Pall Loc	All Pu Comp MW00 Succe	5 RF taway Tasi leted. Wor 0002279 h ssfully close	<s k order as been ed.</s 
Pallec r		0000000748	<del>,</del> ,
Item	12064081		
Qty	100		M010101
Reason		•	
Cancel	Get Tasks	T Det J Lis	t Main Menu
Serial	Nos		<b>≥</b>  *

4.9. User continues with step 4.7 and 4.8 until all lines are competed.



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WO#	MW0000227	9 Sts	ASSIGNED
Task —	0	_	
Task #	1	Act #	1
Item	12064081		Î
Descr	SLEEVE, LIP	PAINTS #	2
Qty	100	UOM	PC
Pallet To	MEALA0000	00000074	8
Loc To	AM010101		YTW
Pallet To	MEALA0000	00000074	8
Item	12064081		
Qty	100	Loc To	
Reason		]	
Cancel	Get Tasks T	Det TL	ist Main Menu

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4.10. Tab "T Det" to view Task Detail of 4.11. Tab "Close" to return to previous the product

🎊 Puta	away By Ta	isk 🗾 📃	14:17	•
WO#	MW0000227	79 Sts	ASSIGNED	
Task —	0		82	_
Task #	1	Act #	1	- 2
Item	12064081			
Descr	SLEEVE, LIP	PAINTS #:	2	
Qty	100	UOM	PC	
Pallet To	MEALA0000	00000074	8	
Loc To	AM010101		YTW	
Pallet To	MEALA0000	00000074	8	
Item	12064081			
Qty	100	Loc To		
Reason		-		
Cancel	Get Tasks   1	Det Tu	st Main Me	nu
Serial N	05		Ē	\$

under this WO.

WO#	MW00002279	Sts	ASSIGNED
Task D	etails ———		1
SO#			
Rcpt#	MR00000100		-
Grade	01	Cust	
Rcpt Dt	11-Feb-2004	Supp	LABOPHYTO
Exp Dt		Class	
Mfg Dt		Color	
Lot#		Size	4
Batch#		Wgt	0.04
H/W/D (mm)	34 34	(Ng)	41
Cancel	Get Tasks Clo	ce Tij	A Main Menu
Concer	GOC 14313 CI0	2	ман мона

# screen.

🔊 Р	utaw	ay By Task 🛛 🗾 🚺 14	:18 🐽
WOa	# MV	V00002279 Sts ASSIG	INED
Task	List -		
T#	A#	Pallet From	WH Fr
1	1	MEALA000000000748	YTW
5 38 3			
. ◀ 🛯			•
<b>∢ II</b> Cance	al Get	Tasks T Det Close Ma	in Menu

4.12. Tab "T List" to view all item listing 4.13. Scroll left-right arrow to view Tab "Close" to view information. Tab "Close" to return to previous screen.





# 5. PICK SALES ORDER

The "Pick Sales Order" is primarily for user to select the intended Sales Order for immediate picking – Picked based on Sales Order released. Operation that follows routine picking should use "Pick by Task" instead.

🎊 CRISTAL WMS RF	Đ 🚺 14:41 🐽
CRISTAL WMS - F CRISTAL WMS - F COpyright 1997 - 2000 CRISTAL Solutions Website: http://www	Entropy of the second s
Check In/Putaway	Inventory Qry
Putaway by Task	Stk Adjustment
Pick Sales Order	Pallet Relocate
Pick By Vask	Item Relocate
Replenish By Task	Print Label
Next Page>	Logout & Exit
File	

5.1.	Select	and	tab	on	the	"Pick	Sales
Orde	er" butto	on					

🎊 Pick By Orde	er 🛛 🔛 🚺 14:41 🐽
Client	SO#
Customer	Status
Header Name Address	
Country Remarks	Postal
Date	
Cancel Get SO	Show Detail Main Menu
Serial Nos	<b>₩</b>

5.2. User must select "Client" and "SO#"
before "Get SO" so that the system can
find the task.



<i>ff</i> Pick By Order 🔛 🔟 14:42	🏉 Pick By Order 🛛 🗾 14:42
Client SO# Customer Status	Client JAPACBMCA SO#
Header	Header
Co Client must be specified!	Cour A Sales Order number
Date Despatch	Date Despatch
Cancel Get SO Show Detail Main Menu	Cancel Get SO Show Detail Main Menu

WAREHOUSE

MANAGEMENT SYSTEM

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5.3. Failure to follow step 5.2, system pops out reminder

🎊 Pick By Ore	der 🛛 🔛 🚺 14:42 🐽
Client	SO#
Custoner	Status
[Header	
Name	
Address	
Country	Postal
Remarks	
Date	
Despatch	
Cancel Get So	C Show Detail Main Menu
Serial Nos	<b>E</b>

5.4. Tab "Client" and/or "SO#" to 5.5. Select client by tabbing and screen facilitates easy selection

Client BECKBCOLT JAPACBMCA	Client Name Beck Colt n Company
BECKBCOLT JAPACBMCA	Beck Colt n Company
JAPACBMCA	book colen company
	JAPAN CORPORATION
JAPACBMHC	JAPAN CORPORATION
JAPACBMIS	JAPAN CORPORATION
LAURA	LAURA LAURA
MEALA	Mea Lala and Company
MILLINTLI	Mill International Limited
TOMEDEVCO	DEVICE CORPORATION
TOMEELEHK	HK ELECTRONICS
TOMEHKOCO	TOMEN LIMITED
•	11
Cancel JAPA	

display selection



SO #	Customer	Cus
CS00000924	ACGOGROWO	ACC
CS00000923	ACTIINTLT	ACT
CS00000914	HIE	HOP
C509000913	PANACHILT	PAN
<b>∢</b> Ⅲ		•

5.6. Select Sales Order by tabbing and 5.7. After selecting Client and SO#, Tab screen display selection

🎊 Pick	By Order	<u>90</u>	14:46	•
Client	JAPACBMCA	SO#	CS000009	13
Customer	PANACHILT	Status	PICKING	
Header	PANALPINA	CHINA I	.TD.	
Address				
Country		Postal		
Remarks				
Date	12-Feb-200	4	2	
Despatch	STN001			
Cancel	Get SO Sh	iow Reta	il Main Me	enu
Serial N	05		E	≝ ^

detail for picking.

Client	JAPACBMCA	SO# (	500000913
Iustome	r	Status	
Heade		-1.2 A.	
Name			
Address			
		-	·
Country		Postal	
Remarks	;		
Date			
Date Despatc	h		

"Get SO" to go Sales Header screen.

🔊 Pick	By Order	🗾 🚺 14:46 🛛
Client	JAPACBMCA	SO# CS00000913
Customer	PANACHILT	Status PICKING
Detail -		
Line#	15	View Item Lines
Item	MT-852AIIBP	P
Descr	CALCULATO	R
Qty	80	UOM PC
Pallet Fr	1236/MT852	AIIBP-01 👻
Loc Fr	Q1010101	1600
Pallet to	CS00000913	}
Item		
Qty		Loc Fr
Cancel	Get SO Sh	now Header Main Menu
Serial N	05	

5.8. Tab "Show Detail" to view item 5.9. Tab "Show Header" to return to Sales Header screen



17	WAREHOUSE
	MANAGEMENT SYSTEM

Client	JAPACBMC	A SO#	C500000913
Customer	PANACHILT	Status	PICKING
Detail -			
Line#	15	Vie	ew Item Lines
Item	MT-852AIIB	3P	
Descr	CALCULAT	OR	
Qty	80	UOM	PC
Pallet Fr	1236/MT85	2AIIBP-01	82
Loc Fr	Q1010101		1600
Pallet to	CS0000091	3	
Item	MT-852AII	3P	
Qty		Loc Fr [	
General	Cotsolls	bow Head	er Main Men

5.10. In "Show Detail" screen, key or 5.11. Key picked Qty and Enter. scan the product item or its bar-code. Once the bar code is scanned or Enter using keypad, the cursor jumps to next field.

🏂 Pick	By Order	📃 🗾 14:47 🐽	
Client	JAPACBMCA	SO# CS00000913	
Customer	PANACHILT	Status PICKING	
Detail -			
Line#	15	View Item Lines	
Item	MT-852AIIBP		
Descr	CALCULATOR		
Qty	80	UOM PC	
Pallet Fr	1236/MT8524	AIIBP-01 👻	
Loc Fr	Q1010101	1600	
Pallet to	CS00000913	C500000913	
Item	MT-852AIIBP		
Qty	80 L	oc Fr Q101001	
Cancel	Get SO Sho	w Header Main Menu	
Serial N	05	<b>E </b>	

Location.

🔊 Pick	By Order	👥 👥 🚺 🚺 🚺
Client	JAPACBMCA	50# CS00000913
Customer	PANACHILT	Status PICKING
Detail -		
Line#	15	View Item Lines
Item	MT-852AIIB	P
Descr	CALCULATO	R
Qty	80	UOM PC
Pallet Fr	1236/MT852	AIIBP-01 👻
Loc Fr	Q1010101	1600
Pallet to	CS00000913	3
Item	MT-852AIIBP	
Qty		Loc Fr
Cancel	Get SO SI	now Header   Main Menu
Corial N	06	mal.

🔊 Pick	By Order	e 🗜	14:	48
Client	JAPACBM	CA SO#	CS000	00913
Customer	PANACHI	T Statu		IG
Detail -				
Lii CRiS	TAL WM	S RF		
Q V Pa	for co	the corre nfirmatio	ct locatio n!	on III
Loc Fr	Q101010	1	1600	
Pallet to	CS000009	913		- D
Item	MT-852AI	IBP		
Qty	80	Loc Fr	Q10100	1
Cancel	Get SO	Show Hea	ider Mair	n Menu
Serial N	05			

5.12. Enter/Scan bar code of picked 5.13. Error message pops out if wrong location is entered or such location does not contain required picked item.



🎊 Pick	By Order	👥 🚺 14:58 🐽
Client	JAPACBMCA :	50# C500000913
Customer	PANACHILT	itatus PICKING
Detail -		72 20
Line#	52	View Item Lines
Item	SDC-8965	
Descr	CALCULATOR	
Qty	400	UOM PC
Pallet Fr	1175/SDC8965-	01 👻
Loc Fr	Q1010101	5000
Pallet to	CS00000913	
Item	SDC-8965	
Qty	400 Loc	Fr Q1010101
Cancel	Get SO Show	Header Main Menu
5		

9 AIKY V

WAREHOUSE

MANAGEMENT SYSTEM

5.14. Upon correct data capture, Enter 5.15. Upon completion of SO, system to proceed to next line.

🎊 Pic	k By Order	则	15:02	
Client	JAPACBMCA	SO#	CS0000091	3
Custome	PANACHILT	Status	PICKING	
Detail		Lar	*1	
	STAL WMS R	F	<u>o</u>	
De		89	NK 20 20	
	) All pick ta	asks cor	mpleted.	
Pal				Ŧ
Loc Fr				
Pallet to	CS00000913		-	
Item	-			
Qty	L	oc Fr [		
Cancel	Get SO Sho	w Head	er 🔀ain Mer	าน
Serial I	Nos			- 1

pops out message on task completed





#### 6. PICK BY TASK

The design flow in "Pick Task" module is similar to "Putaway by Task" whereby instead of Putaway task, it is a Picking task now. User can specify assigned Work Order (WO) after a Sales Order entry is released or follow the assignment by the system.

🎊 CRISTAL WMS RF	🔛 🚺 15:03 🐽
CR//S RF War CRISTAL WMS - F Q CONVIGHT 1997 - 2001	PALE PEDITION 2.3.38 S. All Rights Reserved
CRISTAL Solutions Website: http://www Current User	Pte Ltd, Singapore .cristalsolutions.com : CRISTAL1
Putaway by Task	Stk Adjustment
Pick Sales Order	Pallet Relocate
Pick By Task	Item Relocate
Replenish By Task	Print Label
Next Page>	Logout & Exit
File	<b></b>

Task" button

🎊 Pick By 1	ſask 🛛 🗾 1	5:04 🐽
WO#	Sts	
Task		
Task #	Act #	
Item 📃		1
Descr		
Qty	UOM	
Pallet Fr		
Loc Fr		1
Pallet To		
Item		1
Qty	Loc Fr	
Reason	<b>•</b>	
Cancel Get T	asks T Det T List M	lain Menu
Serial Nos	-19)	<b>=</b>

6.1. Select and tab on the "Pick by 6.2. Tab "Get Tasks" to allow system assigned or enter "WO#" number if user knows what task is required for picking.



WAREHOUSE	
MANAGEMENT SYSTEM	1

🎊 Pick	: By Task 💫 🗾 15:34 🧕	3
WO#	CW00004472 Sts ASSIGNED	]
Task —		1
Task #	1 Act # 1	
Item	SDC-805II	
Descr	CALCULATOR	
Qty	100 UOM PC	
Pallet Fr	1327/SDC805II-02	
Loc Fr	E2010101 KCC	
Pallet To	HIE-CW00004472	
Item	SDC-805II	
Qty	Loc Fr	l
Reason	<b>T</b>	
Cancel	Get Torra T Det T List Main Menu	ĺ
Serial N	los 🔤	

 $\mathbf{\mathcal{L}}$ 

6.3. In system assigned task, screen reflects items to be picked.

🔊 Pic	k By Task	<u>90</u>	15:35 💽
WO#	CW00004472	Sts	ASSIGNED
Task D	etails ——		
Client	JAPACBMCA		
50#	CS00000914		2
Rcpt#	044H06237	- 200	
Grade	01	Cust	HIE
Rcpt Dt	01-Jul-2004	Supp	
Exp Dt		Class	
Mfg Dt		Color	
Lot#	CBM1327	Size	
Batch#		Wgt	29.952
H/W/D (mm)	122.55 5	(Kg) 5.9	70.95
Cancel	Get Tasks	se TLi	st Main Menu
Serial	Nos	<u> </u>	

screen.

🔊 Picl	k By Task	则	15:35 💽
WO#	CW0000447	2 Sts	ASSIGNED
Task —	10	_	<u> </u>
Task #	1	Act #	1
Item	SDC-805II		1
Descr	CALCULATO	R	
Qty	100	HOM	PC
Pallet Fr	1327/SDC80	5II-02	
Loc Fr	E2010101		KCC
Pallet To	HIE-CW0000	04472	
Item	SDC-805II		
Qty		Loc Fr	
Reason		] [	a ab
Cancel	Get Tasks T	Ret TL	st Main Menu
Serial N	los	<u>ь</u> у	

6.4.	Tab	"Т	Detail"	to	view	Task	Detail
of th	e pro	odu	ct.				

🎊 Pick	By Task	<u>90</u>	15:35 🐽
WO#	CW00004472	Sts	ASSIGNED
Task —	0 0	_	
Task #	1	Act #	1
Item	SDC-805II		
Descr	CALCULATOR		
Qty	100	UOM	PC
Pallet Fr	1327/SDC805	II-02	
Loc Fr	E2010101		KCC
Pallet To	HIE-CW00004	472	
Item	SDC-805II		
Qty	100	Loc Fr	2010101
Reason	•		43
Cancel	Get Tasks T D	et T Li	st Main Menu
Serial N	05		₩.

6.5. Tab "Close" to return to previous 6.6. Key actual pick "Qty" and tab to next field. Scan or key actual location from where the item is picked. The screen proceeds to next line for picking (if any).



WO#	CW00004472	Sts	ASSIGNED
Tli	C#00001172		HODIGIALD
Task #	2	Act #	1
Item	CX-80BESWB		
Descr	CALCULATOR	1	
Qty	30	UOM	PC
Pallet Fr	1219/CX80BE	SWB-01	
Loc Fr	H1010101		KCC
Pallet To	HIE-CW00004	1472	
Item	CX-80BESWB		
Qty	30 N	Loc Fr	
Reason			
Cancel	Get Tasks T D	et TLi	st Main Menu
Serial N	05		

 $\boldsymbol{\mathcal{X}}$ 

6.7. Repeat step 6.6 if there are 6.8. Upon completion of WO, system additional lines item within the WO

🎊 Pick By	Task 📃 🗾 15:39 🕻	k
WQ#	Sts	
Task		_
Task #	Act #	
Item		
Descr		
Qty 📃	UOM	
Pallet Fr		
Loc Fr		
Pallet To		
Item		٦l
Qty	Loc Fr	Ī
Reason	<b>•</b>	
Cancel Get	Tasks T Det T List Main Men	J.
Serial Nos		-

6.9. To self-assign task, tab on "WO#"

🎊 Pic	k By Task	堲(	15:38
WO#	CW0000443	72 Sts	ASSIGNED
Task – Task #	12	Act #	1
It CRi	STAL WMS	RF	ob 🛛
Pa Loi Pahec no	Work c has bee closed.	order CWO en success	ifully
Item	SDC-9690		
Qty	40	Loc Fr 🔾	1010101
Reason		•	45
Cancel	Get Tasks	T Det T Lis	t Main Menu
Serial	Nos		

pops up task completed.

Fask	PICKING	
	PUTAWAY	
lient	PICKING	
50 <b>#</b>		
50 Status		Find WO#
VO #		
ssigned		
0		
vo itatus		Accept WO
	-	

6.10. Select "Picking" in the drop-down arrow.



	WAREHOUSE
2	MANAGEMENT SYSTEM

Client	JAPACBMCA	-
50 #	JAPACBMCA	-
50 Status	JAPACBMHC JAPACBMIS LAURA	VE
wo#		=
Assigned To		-
WO Status	-	Accept WO

6.11. Select Client using the drop-down arrow 6.12. Select the Sales Order Number. The list of SO display only un-assigned

Client JAPACBMCA SO # SO CS00000926 Status WO #	Task	PICKING	
50 # 50 C500000926 Status W0 #	Client	ЈАРАСВМСА	
SO CS00000926 Status WO #	SO #		
wo#	SO Status	C500000926	┉┟
	WO#		20
Assigned To	Assigned To		
WO Accept WO Status	WO Status	Accep	t WO
	Cancel		Salact

6.12. Select the Sales Order Number. The list of SO display only un-assigned task – otherwise user can key known SO#.

E	PICKING	•	Task	PIC
[	JAPACBMCA	•	Client	JAP/
Ī	CS00000926	-	SO #	CS00
	PICKING	Find WO#	SO Status	PICKIN
None			WO #	CW000
Unass	signed		Assigned	CRIST
Nor	A	Accept WO	WO Status	ASSIGN
		Select	Cancel	CW0000

6.13. Tab on "Find WO#", screen 6.14. User decides to "Accept WO" display information.



<b>CR()STAL</b> WAREHOUSE MANAGEMENT SYSTEM	RADIO FREQUENCY MANUAL Edition 2.3.38
🏂 Pick By Task 🛛 🗾 15:40 🚳	🏂 Pick By Task 🛛 😥 💽 15:40 🐽
WO# CW00004476 Sts	WO# CW00004476 Sts ASSIGNED
Task # Act #	Task # 1 Act # 1 Item 350DP/AU
Descr UOM UOM	Descr CALCULATOR Qty 10 UOM PC
Pallet Fr	Pallet Fr JAPACBMCA000002345
Loc Fr	Loc Fr A2010101 KCC
Pallet To	Pallet To ABX0LOGHO-CW00004476
Item	Item 350DP/AU
Qty Loc Fr	Qty Loc Fr
Reason 🔽	Reason 🔽
Cancel Get Tasks T Det T List Main Menu	Cancel Get Tasks T Det T List Main Menu

Serial Nos

6.15. Upon accepting WO, screen 6.16. Repeat steps 6.2 to 6.8. returns to Pick by Task screen

1



Serial Nos

\*\*\*

**AL** WAREHOUSE MANAGEMENT SYSTEM

### 7. REPLENISH BY TASK

KY.

The "Replenishment By Task" is for user to replenish internal stock for the purpose of Pick-Face. To do this, CRiSTAL WMS has to be configured. The system self trigger auto replenishment from Breakbulk location to loose pick location.

🖅 CRISTAL WMS RF	👥 🔜 16:10 💽
CR()S	TAL
CRISTAL WMS - F © Copyright 1997 - 200 CRISTAL Solutions Website: http://www Current U	RE Edition 2.3.38 5, All Rights Reserved Pte Ltd, Singapore .cristalsolutions.com RISTAL1
Check In/Putaway	Inventory Qry
Putaway by Task	Stk Adjustment
Pick Sales Order	Pallet Relocate
Pick By Task	Item Relocate
Replenish Ny Task	Print Label
COOL STRUCTURE STRUCTURES - STRUCTURES	
Next Page>	Logout & Exit

7.1. Select and tab on the "Replenishment By Task" button

🎊 Repler	ishment By 🔛 🚺 16:11 🐽
WO#	Sts
Task —	
Task #	Act #
Item 📃	
Descr	
Rpl Qty 📒	
Pallet Fr 🚺	
Loc Fr 🚺	
Pallet To 📘	
Loc To 📒	
Act Qty	
Reason	← Confirm Task
Cancel Get	Tasks T Det T List Main Menu
2	 

the 7.2. Tab "Get Tasks" to generate assign task. If task available, key actual quantity and tab "Confirm Task".



Repler	ishment By 🛄 1	6:11
***	SIS	
Task #	Act #	
It of CRISTA	L WMS RF	•
Pa	You have no outstan Replenishment Tasks.	ding
Pallet To		
Loc To		
Act Qty		_
Reason	✓ Confirm	Task
Cancel Get	Tasks T Det T List M	lain Menu

7.3. Repeat 7.2 until message pops out as task complete or no outstanding task when there is no replenishment required





### 8. INVENTORY QRY

The "Inventory Qry" module is primarily for user to inquire inventory status. This module also allows Bar-code mapping and capturing from vendor's bar code (multiple) to user's inventory code.

🎊 CRISTAL WMS RF	Ð 🔝 16:17 🚳
CRISTAL WMS - F CRISTAL WMS - F © Copyright 1997 - 200 CRISTAL Solutions Website: http://www Current User	CRISTAL1
Check In/Putaway	InventoryQry
Putaway by Task	Stk Adjustivent
Pick Sales Order	Pallet Relocate
Pick By Task	Item Relocate
Replenish By Task	Print Label
Next Page>	Logout & Exit
File	<b>~</b>

8.1. Select and tab "Inventory Qry"



8.3. After selecting Client and Item, tab



8.2. Select "Client" and "Item", otherwise reminder message appears.

🌮 Inventory Query 🛛 👥	] 16:18 🐽
Detrieving tytImageFileName	4-010-010-02-02
	🖌 Shrink
<u>dose</u>	
	₩ ~

8.4. Alternatively, user can tab "View





"Chk Inv" to check on inventory status.

Item" to view the picture of the products.





#### **STOCK ADJUSTMENT** 9.

The "Stk Adjustment" module caters for user to adjust inventory quantity (only) to the actual amount CONFINED to the same warehouse and location.

87

CRISTAL WMS RF	📃 👥 17:03 🧕
CRISTAL WMS - F CRISTAL WMS - F © Copyright 1997 - 200 CRISTAL Solutions Website: http://www	CALL CALL RF Edition 2.3.38 5, All Rights Reserved Pte Ltd, Singapore .cristalsolutions.com
Current User	CRISTAL1
Current User	Inventory Qry
Current User Check In/Putaway Putaway by Task	Inventory Qry
Current User Check In/Putaway Putaway by Task Pick Sales Order	CRISTAL1 Inventory Qry Stk Adjustment Pallet Relocate
Current User Check In/Putaway Putaway by Task Pick Sales Order Pick By Task	ERISTAL1 Inventory Qry Stk Adjustment Pallet Relocate Item Relocate
Current User Check In/Putaway Putaway by Task Pick Sales Order Pick By Task Replenish By Task	ECRISTAL1 Inventory Qry Stk Adjustment Pallet Relocate Item Relocate Print Label

9.1. Select and tab "Stk Adjustment"

Pallet No	Warehouse	L .
AA010102	YTW	A
AA010103\$	YTW	A
AA010201	YTW	A
AA010202	YTW	A
AA010203	YTW	A=
AA010204	YTW	A
AA010301	YTW	A
AA010302	YTW	A
AA010303	YTW	A
AA010304	YTW	A-
AA010401	YTW	A
AA010402	YTW	A
AA010403	YTW	A
ΑΑΠ1Π4Π4	YTW	A
<b>▲</b>		
Cancel AA010102	Se	elect

Pallet %AA01% WH/Loc Client Qty UO Item < III . Item Desc. Grade New Qty UOM Qty Cancel Get Pallet Apply Main Menu \*\*\*

Stock Adjustment 🛛 🗊 17:05 🐽

9.2. Key the pallet number or tab on "?" with the help of "%" sign for quick search.

Pallet No	Warehous	se L	Pallet	AAU10102	10100
AA01010 <mark>2</mark>	ŶŦŴ	A	WH/ LOC		10102 7
AA0101035	YTW	A	Client	Item W	Qty UC
AA010201	YTW	A	MEALA	LBH390	11 PC
AA010202	YTW	A		1.50400000000	
AA010203	YTW	A			
AA010204	YTW	A			
AA010301	YTW	A			•
AA010302	YTW	A	Them		
AA010303	YTW	A	ICGIII		
AA010304	YTW	A	Desc.		
AA010401	YTW	A	Grade		New Obu
AA010402	YTW	A	Grade		New QLY
AA010403	YTW	A	MOU		-
AA010404	YTW	A	Qty		
•				<u>k</u>	
Cancel AA01010	02	5elect	Cancel	Get Pallet App	oly 🛛 Main Menu
					E C



"Select"

Pallet	AA010102		?
NH/ Loc	YTW	AA010	102 ?
Client	Item		Qty U
MEALA	LBH390		11 PC
<b>∢ III</b>	I BH390		•
<b>∢ III</b> Item	LBH390		•
▲ III / Item Desc.	LBH390 PHYTOCYPR	ES EMPTY	BOTTLE
Item Desc. Grade	LBH390 PHYTOCYPR 01		BOTTLE New Qty
◀ III Item Desc, Grade UOM	LBH390 PHYTOCYPR 01 PC	ES EMPTY	BOTTLE New Qty PC
Item Desc. Grade UOM Qty	LBH390 PHYTOCYPR 01 PC 11		BOTTLE New Qty PC

9.4. Screen shows all items located on Qty accordingly. the selected pallet.

AA010102 ?
۵
000 (PC)
New Qty
PC
12
COLLECTION CONTRACTS IN A STATE OF

system pops out confirmation.

#### Warehouse and location.

Pallet	AA010102		?
NH/ Loc	YTW	AA010	102 ?
Client	Item		Qty U
MEALA	LBH390		11 PC
Item	LBH390		
Item Desc.	LBH390 PHYTOCYPR	ES EMPTY	BOTTLE
Item Desc. Grade	LBH390 PHYTOCYPR 01	ES EMPTY	BOTTLE New Qty
Ttem Desc. Grade	LBH390 PHYTOCYPR 01 PC		BOTTLE New Qty PC
Item Desc. Grade UOM Qty	LBH390 PHYTOCYPR 01 PC 11		BOTTLE New Qty PC 12

9.5. Tab on selected line and adjust New

Pallet			?
Client	Item	Qty	녮
<   Ⅲ			Þ
Item Desc			
DESC.		Nou O	tu.
Grade UOM		new Q	•

9.7. User can search based on 9.6. Tab on "Apply" to confirm and Warehouse / Location instead of using pallet I.D. Tab "?" under "WH/Loc"



Location	AA010%	5	?
Pallet No	L	Warehouse	Loc
0970/FC30GN	I-01	KCC	AA
1000/FC30GN	I-01	KCC	AA
1027/FC30GN	I-01	KCC-	AA
1091/SDC330	II-01	KCC	AA
1168/SRP285	II-01	KCC	AA
1233/5DC330	II-01	KCC	AA
•	Ш		•

KY VA

9.8. Select the correct pallet ID based on the specified Warehouse and location.

Pallet	1027/FC3	0GN-01				?
WH/ Loc	KÇC.	AA	0101	101		?
Client	Itam	- 10 C		_	Qty	UC
JAPACBN	4 FC-30GN			. 3	2000	PC
						+
<b>∢ Ⅲ</b> Item						•
<b>∢ Ⅲ</b> Item Desc.			_			•
◀ Ⅲ Item Desc. Grade				Ne	2w QI	ł
<b>↓ Ⅲ</b> Item Desc. Grade UOM				Ne	≥w QI	ty
Item Desc. Grade UOM Qty				Ne	≥w Ql	ty T

9.10. Tab to retrieve line item on the pallet. Follow step 9.4 to 9.6

Pallet WH(Loc	1027/FC30G	N-01	?
Client	Itašm		Qty U
• •			•
Item			
Desc.			
Desc. Grade UOM		]	New Qty
Desc. Grade UOM Qty		] ] [ ] [	New Qty

9.9. Screen returns to Stock Adjustment.



**STAL** WAREHOUSE MANAGEMENT SYSTEM

### **10. PALLET RELOCATION**

The "Pallet Relocation" allows user to relocate pallet from one location to another location (inter-location). This facilitates easy transfer on a PALLET level. If there is a requirement for item transfer from a pallet to another, use "Item Relocate".

🎊 CRISTAL WMS RF	Ð 🔝 17:18 🐽
CRISTAL WMS - F CRISTAL WMS - F CRISTAL Solutions CRISTAL Solutions Website: http://www Current User	ELICAL Singapore cristalsolutions.com cristalsolutions.com
Check In/Putaway	Inventory Qry
Putaway by Task	Stk Adjustment
Pick Sales Order	Pallet Relocate
Pick By Task	Item Relocate
Replenish By Task	Print Label
Next Page>	Logout & Exit
File	▲

10.1. Select and tab "Pallet Relocate"

\\ Select Pallet	17:	18 💽
Pallet No	Warehouse	Loca
AA010102	YTW	AAO
AA010103	YTW	AA0
•		•
Cancel AA010102	Se	elpçt
		13

🎊 Palle	et Relocate	📃 🗾 17:18 🏼 🖸
Pallet	AA0101	?
WH/Loc		4
Transac	tion log	
Pallet		Warehouse
Image: wide wide wide wide wide wide wide wide	Get Pallet	► ? Move Main Menu

10.2 Similar to step 9.2, key pallet ID or use "?" for facilitate easy search.

🎊 Palle	et Relocate	🗩 🚺 17:18 🔇	k
Pallet	AA010102	?	T
WH/Loc	YTW	AA010102 ?	
Transa	ction log		
Pallet		Warehouse	
New Loc		?	
Cancel	Get Pallet	Move Main Menu	]



10.3. Tab on identified pallet and 10.4. The screen returns to Pallet "Select"

Relocate. Tab "Get Pallet".

🏂 Pall	et Relocate	17:	19 👧
Pallet	AA010102		?
WH/Loc	YTW	AA010102	?
Transa	ction log		
Pallet	20	Warehouse	
ৰ া	II .		
New Loc	AB010102		
	MUOTOTOZ		?
Cancel	Get Pallet	Move Main	/? Menu

10.5. Key in the new location whereby the pallet will be transferred. Tab "Move" to stock transfer.





#### **11. ITEM RELOCATE**

The "Item Relocate" allows user to relocate item on certain pallet/location to another pallet/location (inter-item transfer). This facilitates easy transfer on a ITEM level.

🎊 CRISTAL WMS RF	則 🚺 17:22 🐽
CRISTAL WMS - R CRISTAL WMS - R COpyright 1997 - 2009 CRISTAL Solutions Website: http://www Current User	F Edition 2.3.38 5, All Rights Reserved Pte Ltd, Singapore cristalsolutions.com
Check In/Putaway	Inventory Qry
Putaway by Task	Stk Adjustment
Pick Sales Order	Pallet Relocate
Pick By Task	Item Relocate
Replenish By Task	Printalabel
Next Page>	Logout & Exit
File	<b>⊡</b> ^

11.1. Select and tab "Item Relocate"

Pallet	AA010102	2		?
WH/Loc	YTW	AB0101	102	?
Client	Item		UOM	
MEALA	LBH390		PC	
< #	20			
Item	47			
Desc.				
UOM		▼ Lot	Ĩ	
		Batch		
Qty		Evoiry		
Qty Grade		- cybu y	-	
Qty Grade Dest Loc.				
Qty Grade Dest Loc. Dest Plt				
Qty Grade Dest Loc. Dest Plt			e Main	Menu



11.2. Key pallet ID into the Pallet field. Tab "Get Plt" to retrieve all items on this pallet.

🎊 Ite	m Relocate	则	17:25	•
Pallet	AA010102			?
WH/Loc	YTW	AB0101	02	?
Client	Item		UOM	
MEALA	LBH390		PC	
•	li pueso			
Item	LBH390			
Desc.	PHYTOCYPRES	5 EMPTY	BOTTLE	10
UOM	PC 🔻	Lot	Ĩ.	
Qty	12	Batch		
Grade	01	Expiry		
Dest Loc.	AA010101			
Dest Plt				
Cancel	Get Plt Chk L	oc Mov	e Main M	enu
			E	<b>₩</b>



11.3. Screen displays all items on this 11.4. Select line item to be transfer by pallet.

🎊 Ite	m Relocate	<b>P</b>	17:2	5 🐽
Pallet	AA010102			?
WH/Loc	YTW	AB0101	.02	?
Client	Item		UOM	
MEALA	LBH390		PC	
▲ Ⅲ	101			•
Item	LBH390			
Desc.	PHYTOCYPRE:	5 EMPTY	BOTTLE	
UOM	PC 🔻	Lot		
Qty	12	Batch		
Grade	01	Expiry		
Dest Loc	AA010101			
Dest Plt	AA010102			
Cancel	Get Plt Chk L	oc Moy	Main I	Menu
			1.00	

tabbing on the line. The line detail shall display. Key or scan the new location "Dest.Loc." bar code.

Pallet WH/Loc	AA010102 YTW	2 AB010102	2	?
Client	Item	L	MON	
M CRIST	AL WMS	RF		60
n 🔀	Error! Pa currentl Location	allet AA010 y not at de 1.	102 stinatio	n
	Error! P. currentl Locatior	allet AA010 y not at de n.	102 stinatio	on
It D Qty Grade	Error! Pa currentl Location	allet AA010 y not at de n. Batch	102 stinatio	n
It D UUTT Qty Grade Dest Loc	Error! Pa currentl Location	allet AA010 y not at de n. Batch Expiry	102 stinatio	n
It D U Qty Grade Dest Loc. Dest Plt	Error! Pa currentl Location 12 01 AA010101 AA010102	allet AA010 y not at de n. Batch Expiry	102 stinatio	on

11.5. Key the new pallet ID on the new 11.6. Error message pops out for any location. Tab "Move" to activate stock incorrect entry. transfer.

🎊 Ite	m Relocate	<u>90</u>	17:40	•
Pallet	AA010103			?
WH/Loc	YTW	AA0101	103	?
Client	Item		UOM	
MEALA	LBH508		PC	
▲ Ⅲ	20			•
Item	LBH508			
Desc.	PHYTOBAUME	EMPTY B	BOTTLE	-
UOM	PC 🔻	Lot	Ĩ	
Qty	9	Batch		
Grade	01	Expiry		-
Dest Loc	AA010102			
Dest Plt	AA010102			
Cancel	Get Plt Chk L	oc Mov	e Main Me	enu
			E	≝ ^

11.7. Re-key the correct data and tab 11. "Move"

Pallet	AA01010	3		?
WH/Loc	YTW	AA0101	103	?
Client	Item		UOM	1000
ME CRIS	TAL WM	5 RF		<b>d</b>
uol.	0		0	
uol Qty c!	9	Batch		
uol Qty Grade	9	Batch Expiry		
UOL. Qty Grade Dest Loc	9 01 . AA010102	Batch Expiry		
UOL. Qty Grade Dest Loc Dest Plt	9 01 AA010102 AA010102	Batch Expiry		
UOL. Qty Grade Dest Loc Dest Plt Cancel	9 01 AA010102 AA010102 Get Pit Ch	Batch Expiry	e Mair	ı Menu
UOL. Qty Grade Dest Loc Dest Plt Cancel	9 01 AA010102 AA010102 Get Plt Ch	Batch Expiry 2 k Loc Mov	e Mair	ı Menu



# 12. Next Page $\rightarrow$

The "Next Page  $\rightarrow$ " caters for future and customised modules to be added to CRiSTAL RF application. Currently, there are in reserved status.

🎊 CRISTAL WMS RF	📃 🔝 17:41 🐽
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Check In/Putaway	Inventory Qry
Putaway by Task	Stk Adjustment
Pick Sales Order	Pallet Relocate
Pick By Task	Item Relocate
Replenish By Task	Print Label
Next Page>	Logout & Exit
File	<b>₩</b>

12.1. Select and tab "Next Page  $\rightarrow$ "



12.2. The screen goes to next module selection. In RF Edition version 2.3.38, there are in reserve status.

<u>END</u>

