

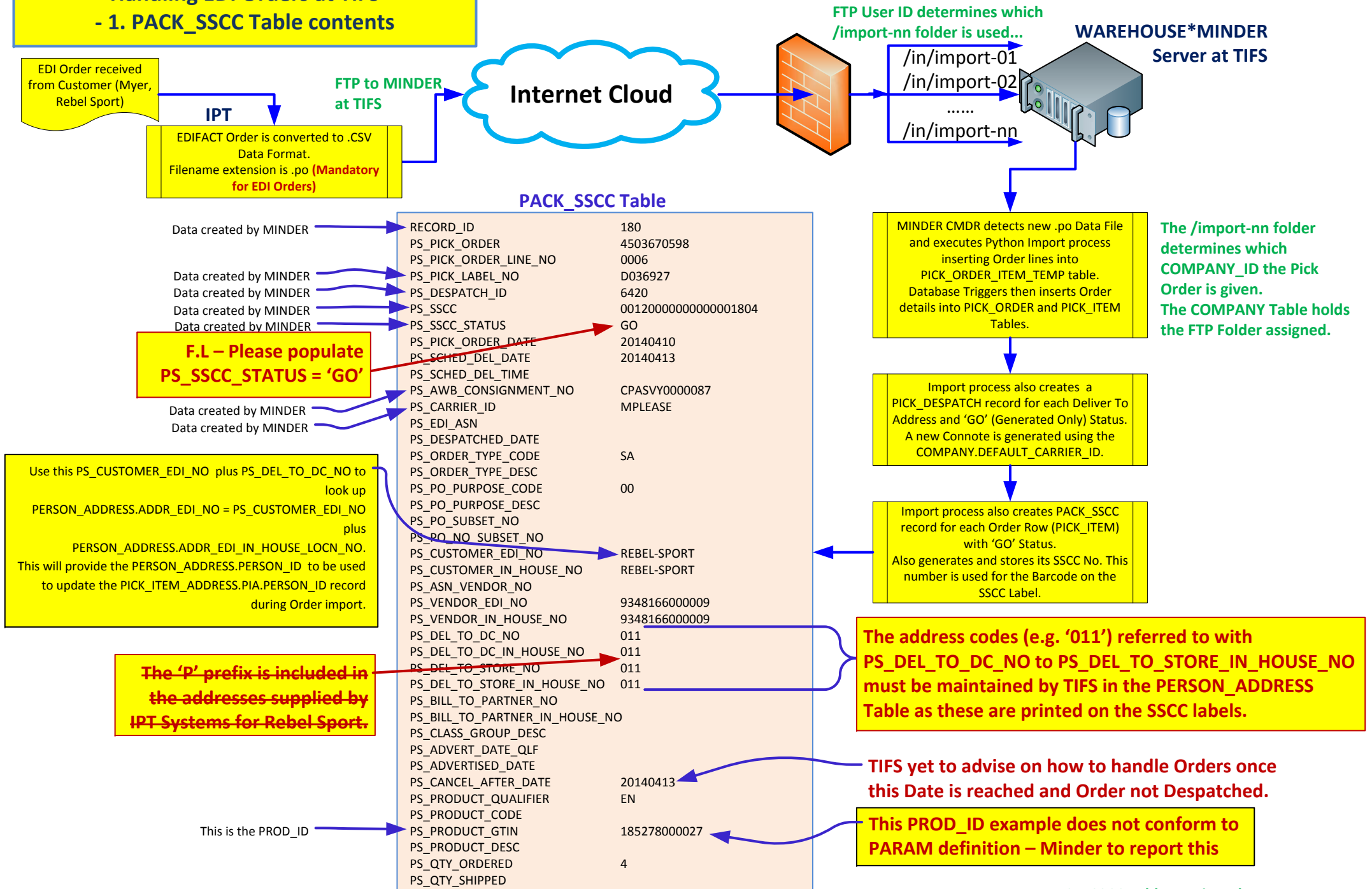
# Handling EDI Orders at TIFS- Example 'PICK\_PROSPORTS\_090514-1.po'

Data file has no <CR><LF> row delimiters i.e. arrives as 1 line

Field Numbers						
1	2	3	4	5	6	7
8	9	10	11	12	13	14
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22	23	24	25	26	27	28
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78	79	80	81	82	83	84
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568	569	570	571	572	573	574
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582	583	584	585	586	587	588
589	590	591	592	593	594	595
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610	611	612	613	614	615	616
617	618	619	620	621	622	623
624	625	626	627	628	629	630
631	632	633	634	635	636	637
638	639	640	641	642	643	644
645	646	647	648	649	650	651
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659	660	661	662	663	664	665
666	667	668	669	670	671	672
673	674	675	676	677	678	679
680	681	682	683	684	685	686
687	688	689	690	691	692	693
694	695	696	697	698	699	700
701	702	703	704	705	706	707
708	709	710	711	712	713	714
715	716	717	718	719	720	721
722	723	724	725	726	727	728
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743	744	745	746	747	748	749
750	751	752	753	754	755	756
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764	765	766	767	768	769	770
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799	800	801	802	803	804	805
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827	828	829	830	831	832	833
834	835	836	837	838	839	840
841	842	843	844	845	846	847
848	849	850	851	852	853	854
855	856	857	858	859	860	861
862	863	864	865	866	867	868
869	870	871	872	873	874	875
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883	884	885	886	887	888	889
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918	919	920	921	922	923	924
925	926	927	928	929	930	931
932	933	934	935	936	937	938
939	940	941	942	943	944	945
946	947	948	949	950	951	952
953	954	955	956	957	958	959
960	961	962	963	964	965	966
967	968	969	970	971	972	973
974	975	976	977	978	979	980
981	982	983	984	985	986	987
988	989	990	991	992	993	994
995	996	997	998	999	1000	1001
1002	1003	1004	1005	1006	1007	1008
1009	1010	1011	1012	1013	1014	1015
1016	1017	1018	1019	1020	1021	1022
1023	1024	1025	1026	1027	1028	1029
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1114	1115	1116	1117	1118	1119	1120
1121	1122	1123	1124	1125	1126	1127
1128	1129	1130	1131	1132	1133	1134
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1303	1304	1305	1306	1307	1308	1309
1310	1311	1312	1313	1314	1315	1316
1317	1318	1319	1320	1321	1322	1323
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1331	1332	1333	1334	1335	1336	1337
1338	1339	1340	1341	1342	1343	1344
1345	1346					

## Handling EDI Orders at TIFS

### - 1. PACK\_SSCC Table contents



## Handling EDI Orders at TIFS

### - PACK\_SSCC Table contents continued...

### PACK\_SSCC Table continued...

PACK_SSCC continued....	
PS_ORDERED_UOM	EA
PS_SALE_PRICE_CODE	TE
PS_SALE_PRICE	3.58
PS_SALE_IN_HOUSE_PRICE	3.58
PS_SALE_PRICE_VARIANCE	0
PS_LINE_COST	0
PS_SALE_RETAIL_PRICE	0
PS_POS_KEY_CODE	
PS_TOTAL_ORDER_AMOUNT	0
PS_TOTAL_ORDER_QTY	0
PS_ORDERED_BY_UOM_GTIN	
PS_ORDERED_BY_GTIN	
PS_USE_BY_DATE	
PS_BATCH_NO	
PS_SSCC_WEIGHT	
PS_SSCC_WEIGHT_UOM	
PS_SSCC_DIM_X	
PS_SSCC_DIM_Y	
PS_SSCC_DIM_Z	
PS_SSCC_DIM_UOM	
PS_SSCC_CUBIC	
PS_SSCC_VOL_UOM	
PS_TOTAL_OUTERS	
PS_OUTER_BARCODE	
PS_INNERS_PER_OUTER	1
PS_ISSUES_PER_INNER	1
PS_STORE_DEPT_NO	SL
PS_OTHER1	
PS_PACK_TYPE	
PS_OTHER2	
PS_LABEL_PRINTED_DATE	
PS_CREATE_DATE	2014-04-22 14:41:03
PS_CREATED_BY	BDCS,
PS_LAST_UPDATE_DATE	2014-04-22 14:41:03
PS_LAST_UPDATE_BY	BDCS

Data created by MINDER

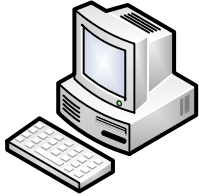
Data created by MINDER

Data created by MINDER

Data created by MINDER

Please note if Date NULL then its SSCC Label will be printed as part of the DSPS Transaction when Order is about to be checked.

## Handling EDI Orders at TIFS - Current Waiting Picking Screen



Warehouse Supervisor  
selects Order/s to be  
Allocated to a Picker using  
Minder Desktop Waiting  
Picking Screen

The Hand Held Terminal can also Allocate Orders but the  
specified rules at TIFS is by Zone and not by COMPANY\_ID.

Supervisor allocates  
this Order to be picked  
using Device MA once  
the **'ALLOCATE  
ORDERS > DEVICE'**  
Button is selected.

'tifs0' – current User  
ID logged onto the  
Device MA

tifs Warehousing and Distribution  
A Partner You Can Trust

Welcome glenn | Connected to WAREHOUSE\*MINDER ENTERPRISE | WH: MV | DEV: RG | Logout | About

Input:

Home | Warehouse | Orders | Receipts | Picking | Despatches | Reports | Administration

**SHORTCUTS**

<Waiting Picking>

**WIP**

**LIMIT**

Company: PSGROUP

Warehouse: All

Printer: PA - 100mmx25mm La

**WAITING PICKING**

Search Orders:

Order #  Due Date  Status

Order Sub Type  Customer Id  Suburb

State  Post Code  Country

**Submit Search** **Clear**

**General** **Shipping**

**ORDERS LIST** Select All Rows on all pages ☒ View By: 5 Page: 1

Selected: 1

<input checked="" type="checkbox"/>	<input type="radio"/>	Pick Order #	Sub Type	Due Date	Company	Customer Name	Cust. Reference	Contact	Status	Sales Channel	WH	Priority	Created By	Partial Pick (T/F)
<input checked="" type="checkbox"/>	<input type="radio"/>	4503670598	SA	2014-04-13 00:00:00	PSGROUP	REBEL CHATSWOOD		REBEL CHATSWOOD	DA	AZ	MV	10	BDCS	T

Total 1 records. Show from 1 to 1

**ALLOCATE ORDERS > DEVICE**

**REPORT: CSV** **REPORT: XLS** **PRIORITY +** **PRIORITY -** **HOLD**

Allocate To: Device ID [MA-192.168.70.70-tifs0] Termin  Trolley **TROLLEY - T1**

Order Limits: Max. Orders: 1 Max. Products: 20

**Search Order Lines:**

**Submit Search** **Clear**

**General**

**ITEMS LIST** Select All Rows on all pages ☒ View By: 5 Page: 1

Selected: 1

<input checked="" type="checkbox"/>	<input type="radio"/>	Order #	Line #	Label #	Product ID	Description	Order Qty	Qty Picked	Status	Reason
<input checked="" type="checkbox"/>	<input type="radio"/>	4503670598	0006	D036927	185278000027	JIMMY BALLS	4		OP	NOT ENOUGH STOCK

Total 1 records. Show from 1 to 1

**'NOT ENOUGH STOCK' - This particular PROD\_ID is wrong. TIFS to  
resolve with Customer's PROD\_PROFILE data**

## Handling EDI Orders at TIFS

- Current Picking Orders
- One Order per BLOCK###

Each Pick Face Location may hold multiple Products and Owners

Zones = 'MR', 'MB', 'NP', " (Null)

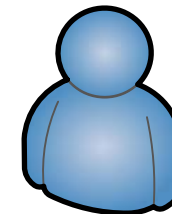
All Zones = 'AZ'

**Step 1.** The Hand Held Order Picking screen prompts the Order Picker to scan a 'BLOCK###' Barcode which is then assigned to one Order No. they are about to Pick. It is possible to add more BLOCK###'s during Picking should the first Block become full.

PICKING BLOCK



(MV) BLOCK-001



ISSN (Putaway Label) Barcode

Location ID (WH\_ID || LOCN\_ID) Barcode

Product (PROD\_ID) Barcode

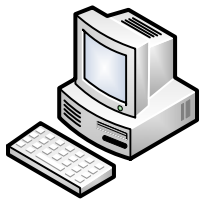
**Step 2.** HH displays Product details and Location/s

**Step 3.** User scans the Location ID Barcode to confirm where Order Line has been fulfilled from.

**Step 4.** User selects required and picked quantity of Product then scans BLOCK## to confirm correct placement.

## Handling EDI Orders at TIFS - Current Awaiting Checking Screen

The Awaiting Checking Screen needs to look at the PICK\_ORDER.PICK\_ORDER\_SUB\_TYPE value to determine if EDI or Non-EDI Order type.



PICKING BLOCK



Checker scans 'BLOCK###' to display Order to be checked. The PICK\_LOCATION table is used to identify which Order No. is linked to the BLOCK###.

Red or light Red background colour indicates Order line has not been Checked (Scanned) or Not Fulfilled.

Once all Lines have been Checked (no red backgrounds) then Connote section can be completed.

If Consignment # left blank then MINDER calculates next Connote # according to displayed Carrier and Carrier Service.

User may also scan the 'ACCEPT' Menu Command Barcode

All Barcode scanning must be through this Input

PARAM.DATA\_ID = 'PICK\_BLOCK'

Warehouse and Distribution  
A Partner You Can Trust

Welcome glenn | Connected to WAREHOUSE\*MINDER ENTERPRISE | WH: MV | DEV: RG | Logout | About

Input: **IG0MVBLOCK134**

Home | Warehouse | Orders | Receipts | Picking | Despatches | Reports | Administration

**SHORTCUTS**

- <Awaiting Checking>
- Consignment Exit
- Scan Exit
- View Despatched Orders

**LIMIT**

Company: All  
Warehouse: All  
Printer: PA - 100mmx25mm La

**AWAITING CHECKING**

General

ORDERS LIST View By: 5 Page: 1

Selected: 1

<input checked="" type="checkbox"/>	Order #	POST	Company ID	WH #	Zone	Priority	Due Date	Name
<input checked="" type="checkbox"/>	4503670598	SA	PSGROUP	MV	AZ	10	2014-04-13 00:00:00	REBEL CHATSWOOD

Total 1 records. Show from 1 to 1

REPORT: CSV REPORT: XLS

General

LINES LIST View By: 500 Page: 1

Selected: 4

<input type="checkbox"/>	Order #	Label	Line	Product ID	Description	Ordered Q
<input checked="" type="checkbox"/>	4503670598	D036921	0005	0639302769027	PSG10CONE - 10 PACK SAUCER CONES	8
<input checked="" type="checkbox"/>	4503670598	D036922	0003	0639302769005	PSGBO - OTCLEANER	2
<input type="checkbox"/>	4503670598	D036923	0008	0639302769008	Agility Pole Pack of 4 spring Agility poles in carry bag	2
<input type="checkbox"/>	4503670598	D036924	0004	1400		1
<input checked="" type="checkbox"/>	4503670598	D036925	0008	0680569369345	PAG25 - PORTA GOL 2.5 FOOT POP UP GOAL PAIR	2
<input checked="" type="checkbox"/>	4503670598	D036926	0007	0853576003230	PROKICK - SOCCER BALL TRAINING BELT	2
<input type="checkbox"/>	4503670598	D036927	0006	1852760000027	JIMMY BALLS	4

Ready For Despatch Rows Total: 4 Ready For Despatch Rows Selected: 4

Total 7 records. Show from 1 to 7

CONNOTE REPORT: CSV REPORT: XLS CANCEL DESPATCH

**PACK DIMENSIONS**

Type	QTY	L CM	W CM	H CM	VOL (M3)	WT KG	TOT.WT (KG)	TOT.VOL (M3)
PALLET	NONE	1			0.0000	14.0000	14.0000	0.0000

Total Entered Pallets: 1 Total Entered Cartons: 0 Total Entered Satchels: 0 Total Required Labels: 1

Overall Total Packages: 1 Total Weight: 14.0000 Kgs Total Volume: 0.0000 Cu. Mtrs.

Consignment #

Ship Via: MPLEASE Service Type: EXP - Carton Freight

Signature Required: ☐ T ☐ F Multipart Consignment: ☐ T ☐ F Partial Delivery: ☐ T ☒ F Cash to Collect: ☐ T ☒ F Transit Cover Required: ☐ T ☒ F Transit Cover Amount:

ACCEPT CANCEL

Scan BLOCK or ORDER #...

I want to add very large next step prompts – this is now important to inform User of EDI Orders. I would like the Prompt message to be retrieved from OPTIONS.GROUP\_CODE='PROMPTS', CODE='ORDERCHECK|1' and DESCRIPTION='Scan BLOCK or ORDER #...' See following pages for more Prompts.



## Handling EDI Orders at TIFS - Picking Block Assignments

### 1. Currently 1 x Picking Block = 1 x Order No. = 1 x Deliver To Address

- Orders must be kept separate during Picking so that they can be checked one Order at a time at the Waiting Checking Workstation then packed and Address labelled as one Order on one Shipping Consignment. That is, one Order is shipped for delivery to one Address. Currently the
- SHIP VIA field is stored once in the PICK\_ORDER table i.e. max 1 Carrier per Order.
- Deliver To Address is stored once in the PICK\_ORDER table i.e. max 1 Deliver To Address per Order.
- The Picker is able to assign more than one Block to an Order should they require more space (Tote Bins, Cartons) to hold the picked inventory.
- This method does make it more difficult to keep each Order Lines separate should this be required and does not support multiple Shipment methods.

### 2. EDI Order = 1 x Order No. = 1 or more Deliver To Addresses = ? Blocks

- Orders must be kept separate during Picking so that they can be checked one Order at a time at the Waiting Checking Workstation.
- The Picker is able to assign more than one Block to an Order should they require more space (Tote Bins, Cartons) to hold the picked inventory.
- One Order may be shipped to more than one address. Therefore, we need to be able to **assign 1 Block per Deliver To Address** for purposes of separating (and allow assessment for another Carrier) packing and Address labelling.
- One Order Line may have 2 Deliver To Addresses where the 1<sup>st</sup> is where the Warehouse must Ship to and the 2<sup>nd</sup> is where the 1st receiver must transfer to.
- The Carrier to be used to ship all or part of an Order must be able to be changed immediately prior to checking, packing and Address labelling.

#### EDI Order Handling Requirements:

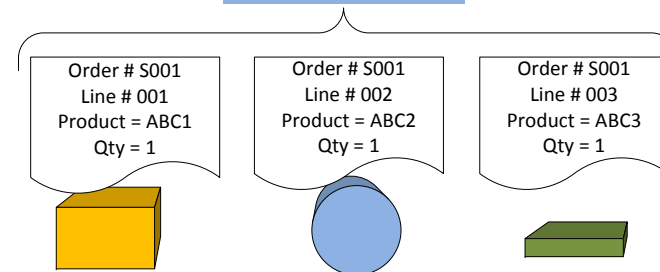
- Store multiple Deliver To Addresses per Order
- Store multiple Ship Via details per Order
- Pick with multiple Block No's to enable separate Checking and Addressing.

#### Current Method:

Current Order # S001  
Deliver To:  
A Name, Address1, State1,  
PostCode1, Country  
Ship Via: Carrier1  
Connote: CP001

Default Ship Via = Carrier1

#### BLOCK001



#### EDI Method:

EDI Order # S001  
Ship Via: Carrier1  
Connote: CP001

Default Ship Via = Carrier1

Deliver To: P  
A Name, Address1,  
State1, PostCode1,  
Country

---

Deliver To: D  
A Name, Address2,  
State2, PostCode2,  
Country

---

Ship Via: Carrier1  
Connote: CP001

#### BLOCK001

Order # S001  
Line # 001  
Product = ABC1  
Qty = 1  
SSCC = 000001

Deliver To: P  
B Name, Address3,  
State3, PostCode3,  
Country

---

Deliver To: D  
B Name, Address4,  
State4, PostCode4,  
Country

---

Ship Via: Carrier2  
Connote: TOLL001

#### BLOCK002

Order # S001  
Line # 002  
Product = ABC2  
Qty = 1  
SSCC = 000002

Order # S001  
Line # 003  
Product = ABC3  
Qty = 1  
SSCC = 000003

User decides to  
Ship Via Carrier2  
after Order entry  
but before Order  
Checking

## Handling EDI Orders at TIFS - Proposed EDI Order Checking Screen 1

This following screen examples assumes 1x Order and 1 x Deliver To Address but with 2 x Lines - Products.

Screen Displays Order details only for the scanned BLOCK### and all the Order Lines with same Deliver To Destination. This will apply to both EDI and Non-EDI Orders. The BLOCK### contents are transferred to the Checking Conveyor/Workstation.

### AWAITING CHECKING

#### General

ORDERS LIST View By: 5 Page: 1

Selected: 1

<input checked="" type="checkbox"/>	Order #	POST	Company ID	WH #	Zone	Priority	Due Date	Name	State	Post Code	Country	Carrier ID	Status	Partial Pick (T/F)
<input checked="" type="checkbox"/>	4503670598	SA	PSGROUP	MV	AZ	10	2014-04-13 00:00:00	REBEL CHATSWOOD	NSW	2067	AUSTRALIA	MPLEASE	DA	T

Total 1 records. Show from 1 to 1

REPORT: CSV REPORT: XLS

The above displayed Address details are retrieved from the PICK\_ITEM\_ADDRESS table not the PICK\_ORDER

User Prompt from OPTIONS.GROUP\_CODE='PROMPTS' and CODE = 'ORDERCHECK|2 and DESCRIPTION = 'Select & Print SSCC...'

#### General

LINES LIST View By: 500

Selected: 2

<input type="checkbox"/>	Order #	Label #	Line #	Product ID	Description	Ordered Qty	Picked Qty	Block Location	Status	DV	From LOCN_ID
<input checked="" type="checkbox"/>	4503670598	D036921	0005	0639302769027	PSG10CONE-10 PACK SAUCER CONES	8	8	BLOCK001	PL	C1	J1360101
<input checked="" type="checkbox"/>	4503670598	D036922	0003	0639302769065	PSGBO - OTCLEANER	2	2	BLOCK002	PL		

Ready For Despatch Rows Total: 2

Ready For Despatch Rows Selected: 2

Total 2 records. Show from 1 to 2

PRINT SSCC REPORT: CSV REPORT: XLS CANCEL DESPATCH CHANGE CARRIER

Red/Orange indicates Line/s not checked.

Optional Step 3. User selects or Scans 'PRINT SSCC' to request printing of the selected PICK\_LABEL\_NO/s.

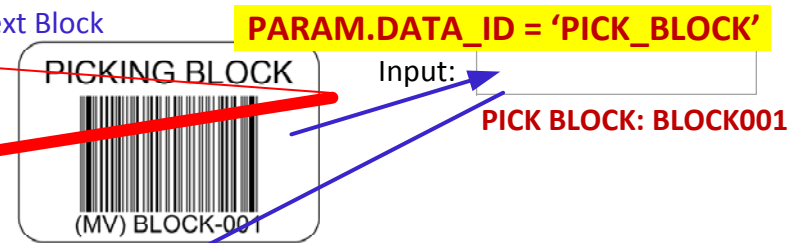
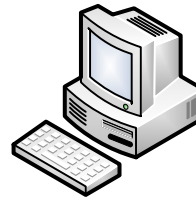
NEW TRN\_CODE

Run: ADD\_TRAN\_RESPONSE() with TRN\_TYPE = DSPS & TRN\_CODE = 'P' (PICK\_LABEL\_NO) FRANK - Should we also pass the PS\_DEL\_TO\_DC\_IN\_HOUSE\_NO

Continue next page...

'CHANGE CARRIER' button now permanently greyed out after 1<sup>st</sup> SSCC label/s printed.

Step 1. Scan Next Block



Select & Print SSCC ...

Change Carrier:

CARRIER: MPLEASE

ACCEPT CANCEL

Drop Down list of all CARRIERS.

CARRIER\_ID?

NEW TRANSACTION

If changed Run: DD\_TRAN\_RESPONSE() with TRN\_TYPE = TBA & TRN\_CODE = TBA by F.L.



## Handling EDI Orders at TIFS

### - How to Prompt User that scanned Block is an EDI Order?

Awaiting Checking screen r4425  
16/5/14

This screen does not accept the  
SSCC Barcode =  
00393481660000033565  
=> 'J0000393481660000033565'  
Global Input =  
"J0000393481660000033565". No  
Match Found in PARAM Table.

**PARAM.DATA\_ID = 'SSCC\_20'**

We have not informed the User  
that they must now scan the just  
printed SSCC Barcode.  
(the greyed out CHANGE CARRIER  
button is correct).

This example has only 1 SSCC but if  
there were many lines we must  
somehow tell the User at the top  
they are checking an EDO Order  
hence they must scan the SSCC.  
Is it possible to grey everything  
from 'SSCC PACK DIMENSIONS'  
downwards and have say 'Scan  
next SSCC Barcode....' located at  
top (if there are many PICK\_ITEM  
lines the greyed area may be off  
the bottom of the screen so the  
prompt should be close to the top  
of the screen and right side to  
avoid Tabs please.

## AWAITING CHECKING

General

ORDERS LIST View By: 1

Selected: 1

<input checked="" type="checkbox"/>	Order #	POST	Company ID	WH #	Zone	Priority	Due Date	House No	Name	State	Post Code	Country	Carrier ID	Status	Partial Pick (T/F)
<input checked="" type="checkbox"/>	4503748311	SA	PSGROUP	MV	AZ	10	2014-05-08 00:00:00	026	REBEL GEELONG	VIC	3220	AUSTRALIA	MPLEASE	DA	T

Total 1 records. Show from 1 to 1

REPORT: CSV

REPORT: XLS

General

LINES LIST View By: 500

Page: 1

Selected: 1

<input type="checkbox"/>	Order #	Label	Line#	Product ID	Description	Ordered Qty	Picked Qty	Block Location	Status	DV	From LOCN_ID
<input checked="" type="checkbox"/>	4503748311	D038909	0001	0633726561166	4 FOOT SINGLE POP UP GOAL	6	6	BLOCK100	PL	C1	J2391602
<input type="checkbox"/>	4503748311	D038910	0002	0883576003162		1			HD		

Ready For Despatch Rows Total: 1

Ready For Despatch Rows Selected: 1

Total 2 records. Show from 1 to 2

PRINT SSCC

REPORT: CSV

REPORT: XLS

CANCEL DESPATCH

CHANGE CARRIER

## SSCC PACK DIMENSIONS

Type	SSCC	L CM	W CM	H CM	Vol (M3)	WT KG	TOT.WT (KG)	TOT.VOL (M3)
Total Entered Pallets:	0				Total Entered Cartons:	0		
Overall Total Packages:	0				Total Entered Satchels:	0		
					Total Weight:	0.0000 Kgs		
					Total Volume:	0.0000 Cu. Mtrs.		

Accept

Accept + New SSCC

Cancel Accept

## PACK DIMENSIONS

Type	QTY	L CM	W CM	H CM	VOL (M3)	WT KG	TOT.WT (KG)	TOT.VOL (M3)
CARTON	1				0.0000	16.500	16.5000	0.0000
					0.0000		0.0000	0.0000
Total Entered Pallets:	0				Total Entered Cartons:	1		
Overall Total Packages:	1				Total Entered Satchels:	0		
					Total Weight:	16.5000 Kgs		
					Total Volume:	0.0000 Cu. Mtrs.		

Consignment #:

Ship Via:

MPLEASE

Service Type:

EXP - Carton Freight (SYD)

Signature Required

Multipart Consignment

Partial Delivery

Cash to Collect

Transit Cover Required

Transit Cover Amount

☒ T

☐ F

☐ T

☐ F

☐ T

☐ F

☐ T

☐ F

☐ T

☐ F

☐ T

☐ F

ACCEPT

CANCEL

Input:

PICK\_BLOCK: BLOCK100



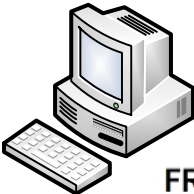
Scan next SSCC Barcode...

User Prompt from OPTIONS.GROUP\_CODE='PROMPTS'  
and CODE = 'ORDERCHECK|3 and  
DESCRIPTION = 'Scan next SSCC Barcode...'

# Handling EDI Orders at TIFS - Proposed EDI Order Checking Screen 2

Step 1. Scan Printed SSCC Label

PARAM.DATA\_ID = 'SSCC\_20'



AWAITING CHECKING

General

ORDERS LIST

View By: 5

Selected: 1

<input checked="" type="checkbox"/>	<input type="radio"/>	Order #	POST	Company ID	WH #
<input checked="" type="checkbox"/>		4503670598	SA	PSGROUP	MV

Total 1 records. Show from 1 to 1

REPORT: CSV

REPORT: XLS

General

LINES LIST

View By: 500

Selected: 2

<input type="checkbox"/>	<input type="radio"/>	Order #	Label	Line #	Product ID
<input checked="" type="checkbox"/>		4503670598	D036921	0005	063930276
<input checked="" type="checkbox"/>		4503670598	D036922	0003	063930276

Ready For Despatch Rows Total: 2

Total 2 records. Show from 1 to 2

PRINT SSCC

REPORT: CSV

REPORT: XLS

FROM: SENT FROM NAME

SF ADDRESS 1

SF SUBURB

SF STATE PCODE

CARRIER: COURIERS PLEASE

CONNOTE: CPA4VMC9999999

TO:DC EDI NAME

1111

FOR:STORE EDI NAME

2222

DC NAME

DC ADDRESS 1

DC SUBURB DC STATE PCODE

STORE NAME

STORE ADDRESS 1

STORE SUBURB STATE PCODE

SSCC: 1 9312345 000000001 9

PO: 4503670598

AD

4444

0639302769027

3011

Product Description:

PSG10CONE-10 PACK SAUCER C

(421) 0363025 (90) 2222

(00) 1 9312345 000000001 9

WAREHOUSE\*MINDER

27/04/14 3:07 PM-TSC

Input:

SSCC\_20:00193123450000000019

Continue next page...

an next SSCC Barcode...

Country	Carrier ID	Status	Partial Pick (T/F)
AUSTRALIA	MPLEASE	DA	T

The screen must check that the scanned SSCC is valid for the BLOCK###

cation	Status	DV	From LOCN_ID
01	PL	C1	J1360101
02	PL	C1	J1360102

Optional Step 2. Once User selects or Scans 'PRINT SSCC' to requests printing of the selected PICK\_LABEL\_NO/s.

If for some reason (e.g. label printer fault) the SSCC Label's must be Reprinted then select the required lines and then 'PRINT SSCC' button

Run: ADD\_TRAN\_RESPONSE() with TRN\_TYPE = DSPS & TRN\_CODE = 'R' (Reprint PS\_SSCC)

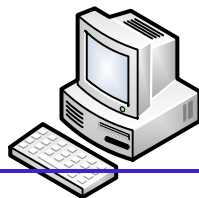
Approximate SSCC label Mock-up. Data used is not all related to screen examples.

PARAM.DATA\_ID = SSCC\_20 = 'J000193123450000000019' But if using Honeywell 3200 scanner it returns 'Jm001931234500000000019'

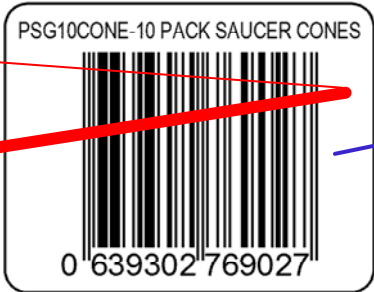
Change Screen Name from: 'AWAITING CHECKING' to 'AWAITING CHECKING= SSCC: 001931234500000000019 [0]'

[0] Indicates how many times the Product has been scanned.

# Handling EDI Orders at TIFS - Proposed EDI Order Checking Screen 3



Step 1. Scan Product



PARAM.DATA\_ID = 'PROD\_13'

Input:

PROD\_13: 0639302769027

[8] Indicates how many times the Product has been scanned. Max = Ordered Qty or Picked Qty.

AWAITING CHECKING = SSCC: 00193123450000000019 [8]

General

ORDERS LIST View By: 5 Page: 1

Selected: 1

<input checked="" type="checkbox"/>	Order #	POST	Company ID	WH #	Zone	Priority	Due Date	Name	State	Post Code	Country	Carrier ID	Status	Partial Pick (T/F)
<input checked="" type="checkbox"/>	4503670598	SA	PSGROUP	MV	AZ	10	2014-04-13 00:00:00	REBEL CHATSWOOD	NSW	2067	AUSTRALIA	MPLEASE	DA	T

Total 1 records. Show from 1 to 1

REPORT: CSV REPORT: XLS

User Prompt from OPTIONS.GROUP\_CODE='PROMPTS' and CODE = 'ORDERCHECK|4 and DESCRIPTION = 'Scan PRODUCT Barcode...'

Scan PRODUCT Barcode...

General

LINES LIST View By: 500 Page: 1

Selected: 2

<input type="checkbox"/>	Order #	Label #	Line #	Product ID	Description	Ordered Qty	Picked Qty	Block Location	Status	DV	From LOCN_ID
<input checked="" type="checkbox"/>	4503670598	D036921	0005	0639302769027	PSG10CONE-10 PACK SAUCER CONES	8	8	BLOCK001	DS	C1	J1360101
<input checked="" type="checkbox"/>	4503670598	D036922	0003	0639302769065	PSGBO - OTCLEANER	2	2	BLOCK002	PL	C1	J1360102

Ready For Despatch Rows Total: 2 Ready For Despatch Rows Selected: 2

Total 2 records. Show from 1 to 2

PRINT SSCC REPORT: CSV REPORT: XLS CANCEL DESPATCH CHANGE CARRIER

Optional Step 2. Once User selects or Scans 'PRINT SSCC' to requests printing of the selected PICK\_LABEL\_NO/s.

If for some reason (e.g. label printer fault) the SSCC Label's must be Reprinted then select the required lines and then 'PRINT SSCC' button

Run: ADD\_TRAN\_RESPONSE() with TRN\_TYPE = DSPS & TRN\_CODE = 'R' (Reprint PS\_SSCC)

In this example the Product Barcode must be scanned 8 times before Line has completed Checking and background colour is then changed.

We need a prompt now that 1<sup>st</sup> SSCC label is checked and complete i.e. OPTIONS.GROUP\_CODE='PROMPTS' and CODE = 'ORDERCHECK|5 and DESCRIPTION = 'Attach SSCC Label, scan to complete....'

Continue next page...



# Handling EDI Orders at TIFS

## - Proposed EDI Order Checking Screen

### - 1<sup>st</sup> SSCC Completed

EITHER:  
If the User has filled the current package and requires another SSCC label (scanned qty < picked qty) they can scan the current SSCC Barcode to close out the current SSCC and create new SSCC to continue to pack into OR  
The required quantity has been scanned and automatically ....

The screen un-greys and displays the SSCC PACK DETAILS input dialog into which the User must enter Dims, Weight and Volume for the SSCC.

Please note the CONNOTE dialog will not appear until all rows are checked.

Step 2. Once User selects or Scans 'ACCEPT'.  
Run:

ADD\_TRAN\_RESPONSE()  
with TRN\_TYPE = DSGS &  
TRN\_CODE = 'U' (Updates)

Step 1. Scan  
current  
SSCC

AWAITING CHECKING = SSCC: 00193123450000000019 [8]



FROM: SENT FROM NAME

SF ADDRESS 1

SF SUBURB

SF STATE PCODE

TO:DC EDI NAME

DC NAME

DC ADDRESS 1

DC SUBURB DC STATE PCODE

SSCC: 19312345 000000001 9

CARRIER: COURIERS PLEASE

CONNOTE: CPAAYMC9999999

FOR:STORE EDI NAME

STORE NAME

STORE ADDRESS 1

STORE SUBURB STATE PCODE

PO: 4503670598

1111

2222

AD 3011

4444

0639302769027

Product Description:

PSG10CONE-10 PACK SAUCER CONES

(421) 0363025 (90) 2222

(00) 1 9312345 000000001 9

General

ORDERS LIST

View By: 5

Selected: 1

<input checked="" type="checkbox"/>	Order #	POST	Company ID	WH #	Zone	Prio
<input checked="" type="checkbox"/>	4503670598	SA	PSGROUP	MV	AZ	10

Total 1 records. Show from 1 to 1

REPORT: CSV REPORT: XLS

General

LINES LIST

View By: 500

Selected: 2

<input type="checkbox"/>	Order #	Label #	Line#	Product ID	Description	Ordered Qty	Picked Qty	Block Location	Status	DV	From LOCN_ID
<input checked="" type="checkbox"/>	4503670598	D036921	0005	0639302769027	PSG10CONE-10 PACK SAUCER CONES	8	8	DS :001	PL	C1	J1360101
<input checked="" type="checkbox"/>	4503670598	D036922	0003	0639302769065	PSGBO - OTCLEANER	2	2	BLOCK002	PL	C1	J1360102

Ready For Despatch Rows Total: 2 Ready For Despatch Rows Selected: 2

Total 2 records. Show from 1 to 2

PRINT SSCC REPORT: CSV REPORT: XLS CANCEL DESPATCH CHANGE CARRIER

SSCC PACK DETAILS

Type	SSCC	L CM	W CM	H CM	VOL (M3)	WT KG	TOT.WT (KG)	TOT.VOL (M3)
CARTON	00193123450000000019	20	30	10	0.006	14.000	14.0000	0.006

Total Entered Pallets: 0

Total Entered Cartons: 1

Total Entered Satchels: 0

Total Required Labels: 1

Overall Total Packages: 1

Total Weight: 14.0000 Kgs

Total Volume: 0.0000 Cu. Mtrs.

ACCEPT SSCC

ACCEPT + NEW SSCC

CANCEL ACCEPT

Attach & Scan SSCC Label, ACCEPT SSCC....

Input: SSCC\_20: 00193123450000000019

Options.GROUP\_CODE='PROMPTS' and  
CODE = 'ORDERCHECK|5' and  
DESCRIPTION = 'Attach & Scan SSCC Label, ACCEPT SSCC....'

Please note that the 2<sup>nd</sup> Order Line has not yet been Checked (i.e. still Orange).

Optional Step 3. User selects or scans 'ACCEPT + NEW SSCC' button

ADD\_TRAN\_RESPONSE() with TRN\_TYPE = DSGS & TRN\_CODE = 'U' (Updates)

ADD\_TRAN\_RESPONSE() TRN\_TYPE = DSGS & TRN\_CODE = 'N' (Next SSCC)

## Handling EDI Orders at TIFS

### - Proposed EDI Order Checking Screen

### - Last SSCC Completed

Step 1. Scan next row's SSCC label



FROM: SENT FROM NAME  
ADDRESS 1  
SUBURB  
STATE PCODE  
DC EDI NAME  
1111  
2 NAME  
3 ADDRESS 1  
DC SUBURB DC STATE PCODE  
SSCC: 1 9312345 000000002 6  
AD 3011  
4444  
0639302769065  
CARRIER: COURIERS PLEASE  
CONNOTE: CPA4VMC999999  
FOR: STORE EDI NAME  
2222  
STORE NAME  
STORE ADDRESS 1  
STORE SUBURB STATE PCODE  
PO: 4503670598  
Product Description:  
PSGBO - OTCLEANER

Input:   
SSCC\_20: 00193123450000000026

AWAITING CHECKING = SSCC: 00193123450000000026 [2]

General

ORDERS LIST View By: 5

Selected: 1

<input checked="" type="checkbox"/>	Order #	POST	Company ID	WH #	Zone	Priority	Due Date	Name	State	Post Code	Country	Carrier ID	Status	Partial Pick (T/F)
<input checked="" type="checkbox"/>	4503670598	SA	PSGROUP	MV	AZ	10		24/04/14 10:07 PM - PSGBO	NSW	2067	AUSTRALIA	MPLEASE	DA	T

Total 1 records. Show from 1 to 1

REPORT: CSV REPORT: XLS

General

LINES LIST View By: 500

Selected: 2

<input type="checkbox"/>	Order #	Label #	Line #	Product ID	Description	Ordered Qty	Picked Qty	Block Location	Status	DV	From LOCN_ID
<input checked="" type="checkbox"/>	4503670598	D036921	0005	0639302769027	PSG10CONE-10 PACK SAUCER CONES	8	8	BLOCK001	DS	C1	J1360101
<input checked="" type="checkbox"/>	4503670598	D036922	0003	0639302769065	PSGBO - OTCLEANER	2	2	BLOCK002	DS	C1	J1360102

Ready For Despatch Rows Total: 2

Ready For Despatch Rows Selected: 2

Total 2 records. Show from 1 to 2

PRINT SSCC REPORT: CSV REPORT: XLS CANCEL DESPATCH CHANGE CARRIER

SSCC PACK DETAILS

Type	SSCC	L CM	W CM	H CM	VOL (M3)	WT KG	TOT.WT (KG)	TOT.VOL (M3)
CARTON	00193123450000000019	20	30	10	0.006	14.000	14.0000	0.006
CARTON	00193123450000000026	30	20	10	0.006	10.0000	10.0000	0.006

Total Entered Pallets: 0

Total Entered Cartons: 1

Total Entered Satchels: 0

Total Required Labels: 1

Overall Total Packages: 1

Total Weight: 14.0000 Kgs

Total Volume: 0.0000 Cu. Mtrs.

ACCEPT SSCC ACCEPT + NEW SSCC CANCEL ACCEPT

Optional Step 3. User selects or scans 'ACCEPT + NEW SSCC' button

Continue to CONNOTE next page...

ADD\_TRAN\_RESPONSE() with TRN\_TYPE = DSGS & TRN\_CODE = 'U' (Updates)

ADD\_TRAN\_RESPONSE() TRN\_TYPE = DSGS & TRN\_CODE = 'N' (Next SSCC)

EITHER:

If the User has filled the current package and requires another SSCC label (scanned qty < picked qty) they can scan the current SSCC Barcode to close out the current SSCC and create new SSCC to continue to pack into OR  
The required quantity has been scanned and automatically ....

The screen displays the next SSCC PACK DETAILS input dialog into which the User must enter Dims, Weight and Volume for the SSCC.

Please note the CONNOTE dialog will not appear until all rows are checked.

Step 2. Once User selects or Scans 'ACCEPT SSCC'. Run:

ADD\_TRAN\_RESPONSE() with TRN\_TYPE = DSGS & TRN\_CODE = 'U' (Updates)

Once all the required Rows for the Same Deliver To Destination is completed then the CONNOTE Input Dialog must be **un-greyed or displayed and completed**. Remember that the PICK\_DESPATCH and DESPATCH\_ID have been created (at Order Import).

The User now completes the Shipping Connote PACK DIMENSIONS details. These SSCC's maybe shipped as one unit (e.g. 1 x Pallet) or as individuals Cartons (i.e. as each SSCC Carton but User needs to create each for Connote). They will still be able to view each SSCC's Weight and Volume so they can sum if needed for the Pallet.

and

A simple line drawing of a desktop printer. It has a paper tray on the left side with a sheet of paper partially inserted. On top, there is a paper output slot with a sheet of paper coming out. The printer is depicted in a three-quarter view, showing its front and right side.

Input:	
--------	--

► **Complete Connote, ACCEPT....**

<p><b>User Prompt from OPTIONS.GROUP_CODE='PROMPTS' - and CODE = 'ORDERCHECK 6 and DESCRIPTION = 'Complete Connote, ACCEPT...'</b></p>
--



## Handling EDI Orders at TIFS

### - EDI Awaiting Checking Screen

How to Display PICK\_ITEM records for EDI Checking involves the following steps and which we hope is fast:

- Scan Picking Block e.g. 'BLOCK062' and look up the PICK\_ITEM\_DETAIL.DESPATCH\_LOCATION = 'BLOCK062' (May also need PICK\_DETAIL\_STATUS = 'PL' or ??) and retrieve  
PICK\_ORDER = '4503673022' and retrieve  
PICK\_ORDER\_SUB\_TYPE = 'SA' (Look up OPTIONS.GROUP\_CODE = 'PO\_SUBTYPE' and CODE = 'SA|EDI' - Indicates this is an EDI PICK\_ORDER\_SUB\_TYPE Order.) and  
PS\_DEL\_TO\_STORE\_IN\_HOUSE\_NO = '770' (This is the secondary Deliver To)  
PS\_DEL\_TO\_DC\_IN\_HOUSE\_NO = '770' (This is the Primary Deliver To)  
PS\_CUSTOMER\_EDJ\_NO = 'REBEL\_SPORT'.  
(Frank still has to modify the Hand Held screen to ensure 1 BLOCK### per Order per Deliver To Location).
- Now look up in the PICK\_ITEM\_ADDRESS.PICK\_ORDER= '4503673022' and  
PIA\_ADDR\_TYPE = 'P' (Primary Deliver To).  
This is the address I want shown in the ORDERCHECK screen.  
~~This also requires changes to the SYS\_SCREENs ( Frank currently populates PICK\_ITEM\_ADDRESS.PICK\_LABEL\_NO = 'ORDER' if there is only one Deliver To Address needed for whole Order. I'm not sure if Frank is going to retain this. Removed 12/5/14 )~~
- We also now need to display all the PICK\_ITEM lines that need to be checked and are destined to the same Primary Deliver To Address so that if any lines have not been picked you can show these in addition to the picked lines in the ORDERCHECKLINES screen.  
Frank says he is going to add PICK\_ITEM.DEL\_TO\_STORE\_IN\_HOUSE\_NO = '770', DEL\_TO\_DC\_IN\_HOUSE\_NO = '770' and CUSTOMER\_EDJ\_NO = 'REBEL-SPORT' fields later tonight. Done 12/5/14
- User can either Change Carrier (you can complete this function later) or PRINT SSCC button so we can get its SSCC label (only those SSCC's with same Deliver To Address and not all labels for the whole Order as a batch so User can change Carrier for any subsequent Deliver To SSCC's).
- Now User starts Checking by scanning the SSCC Barcode and the top of the screen then displays the SSCC number and [0] to indicate how many Product Barcodes have been scanned (see page 11).  
Count each scanned Product Code and clear the Red background as per normal checking once number of scans = this Picked Qty (for this PROD\_ID of course.)  
Display the PACK SSCC dialog either automatically when picked quantity reached or User deliberately scans SSCC again to indicate they need another SSCC (Carton/Satchel) to pack rest of this Product. The User must enter required Dims, weight etc.
- Once all the SSCC's which have the same Destination have been checked then we display (after the last SSCC Dialog) the Connote dialog as we do now and after entering the shipping dims, weight etc print the Connote label/s.
- See following pages for further details.

## Handling EDI Orders at TIFS

### -Issues to be resolved for EDI handling

#### 1. One EDI Order may have multiple Deliver To Locations

Currently MINDER expects Imported and Entered Pick Orders to each have only one Deliver To Address for all the Order Lines.

To overcome the need for multiple Addresses a new PICK\_ITEM\_ADDRESS table has been added which holds up to 3 types of Addresses per Order line where

- P = Primary Deliver To Address (e.g. Distribution Centre or Direct to Store),
- D = Destination Address – Final (E.g. Retail Store),
- R = Alternate Destination Address,
- S = Sent From Address,
- F = Alternate Sent From Address.

Note: P & D can be the same Address i.e. Direct to Store Address.

#### 2. TIFS requested (14/4) ability to change the Carrier at Checking.

Currently the selection of the Carrier is made at time of Order Entry or Import but the associated Consignment Note details are not calculated until the whole Order is checked and packed. The Packer can change the Carrier (and Service used) at this time as there is no PICK\_DESPATCH, PACK\_ID records involved however this applies to the whole Order.

EDI shipments require each ordered Product to be packaged and uniquely Barcode labelled (SSCC) and separately addressed for each Deliver To location and includes the Carrier and Connote number.

Some Retailers do allow one package (e.g. Carton, Pallet) to hold multiple Products but they still require each SSCC Label to be attached and which can be scanned at receipt and they are destined to one Store.

A new SQL Stored Procedure will be required to update upto 4 tables associated with a changed Carrier and Carrier Service, these are:

PICK\_ORDER, PICK\_DESPATCH, PACK\_SSCC and PACK\_ID.

Consideration should be given to adding the PERSON\_ADDRESS column to PICK\_LOCATION table to facilitate grouping of Deliver To Addresses.

**Proposed Solution: Use 1 (or more) Picking BLOCK### per Order per unique Deliver To Address (PERSON\_ADDRESS.PERSON\_ID and ADDR\_TYPE='DT'). This will assist with identification and estimation of Carrier Service needs.**

Other issues to be considered include:

- Not all Orders received via FTP Folder are EDI type. These will be treated as non-EDI Order Import and use the Mentmore Template
  - Not all Addresses can be delivered to by the Default Carrier e.g. Post Box, overseas addresses. Currently not likely to happen with EDI Orders.
  - If an EDI Deliver To Address is not listed in Minder's PERSON\_ADDRESS table we need to assign a new **PICK\_LINE\_STATUS = 'NA' - No Address** so that TIFS can recognise and correct. But then once they have entered an address how do we update the PICK\_ITEM\_ADDRESS and PACK\_SSCC tables? I am happy to ask Sergey to add a 'REFRESH ADDRESS' button on the Sales Order Entry and even the Awaiting Checking screens.
- FRANK?

**16/5/16 I have asked Frank to seriously consider adding new PICK\_ITEM Status = 'NA' - No Address.**

Many warehouses create and print the SSCC Barcode labels in advance of Picking based upon known Product dimensions and weights and therefore optimal Freight Service (or only ever use one Carrier for all their freight services).

The SSCC label must be printed with the Carrier and Connote details shown on the label.

Pre-printing allows the SSCC label to accompany the Order as part of the Picking process.

TIFS has indicated that this option is not possible until the Order has been picked and then a judgement can be made as to the best Carrier and Service.

## Other Notes

V4- Last Update 27/4/14

V5 – 13/5/14

V6 - PARAM DATA\_ID for SSCC label not working, Add large User Prompts to help identify EDI steps.

Frank – If we do not stop PICK\_ITEM lines without an address from being picked then the Barcode does not print PostCode

<b>FROM: SENT FROM NAME</b>		
SF ADDRESS 1	CARRIER: COURIERS PLEASE	
SF SUBURB	CONNOTE:	
SF STATE PCODE	CPA4VMC9999999	
<b>TO:DC EDI NAME</b>		<b>FOR:STORE EDI NAME</b>
1111		2222
DC NAME		STORE NAME
DC ADDRESS 1		STORE ADDRESS 1
DC SUBURB DC STATE PCODE		STORE SUBURB STATE PCODE
SSCC: 1 9312345 000000001 9		PO: 4503670598
AD	4444	0639302769027
3011	Product Description: PSG10CONE-10 PACK SAUCER CONES	

Note this field MUST be 4 Numeric and is used in the Barcode '(90)2222'

Hence the Rebel Sport which has a 'P' prefix = 'P011' must be converted to '0011'.

Similarly with MYER who only supply 3 Numeric e.g. '011' must also be converted to '0011' for use on the SSCC label and ASN

PARAM.DATA\_ID = SSCC\_20  
= 'JC000193123450000000019'  
But if using Honeywell 3200 scanner it returns 'JTm001931234500000000019'

We may need to drop the leading Application Identifier = ('00') from the reported PS\_SSCC (but not from the Barcoded Number).  
I am awaiting advice from IPT.

