



# MABUG 2019

RF PICK AND PACK

VERSION: VL19.010

# TOPICS

- Overview
- Transaction Process Flow
- Queries
- Configurations
- Questions and Answers

# OVERVIEW

- Background / Trends:
  - Increase in On-Line e-Fulfillment Orders
  - High Volumes of these Orders
  - Small Quantities per Order
  - Products are often NOT Lotted (i.e. Single Lotted)

# OVERVIEW

- Usage / Options
  - Carton Type Identification:
    - User Definable Dimensions and Weight Capacity
    - Used as Shipment Conveyance. Available for EDI (945/856)
  - Validation (via Scanning) of the:
    - Storage Location (from which Stock was Picked)
    - Product
      - Once for a specific Product Quantity Picked/Packed
      - Once for EACH Piece of the Product Picked/Packed
  - Capacity Checking / Warning Message if Exceeds:
    - Maximum Weight per Carton and/or
    - Maximum Volume/Cube per Carton

# OVERVIEW

- Usage / Options (Continued)
  - Carton Label Generation / Printing:
    - Upon Closing Each Carton, or
    - Upon Completion of Packing the Order
  - Carton Types:
    - User Definable with specified Dimensions and Weight Capacity
    - Used as a Shipment Conveyance for Packed Stock
  - Multiple Stock Keeping Units of Measurement:
    - Ability to Recognize and Pack Products defined with Multi-SKU UOMs

# OVERVIEW

- Usage / Options (Continued)
  - RF Pick/Pack Actions:
    - N = Place Stock in Carton. Pick NEXT Product/Location
    - C = CLOSE Open Carton
    - R = REMOVE Stock from Open Carton
      - User selects Stock and Quantity from List of Contents
      - System Displays the Location/Conveyance to Return Stock
    - Q = QUIT Pick/Pack
      - System allows a User to Exit the Order IF there is NOT an Open Carton (otherwise they must Close the Carton before Exit)
      - User may recall/continue an Order that is NOT completely Picked/Packed

# OVERVIEW

- Usage / Options (Continued)
  - RF Pick/Pack Features:
    - Users Select/Move Closed Cartons to a Drop Location
    - Pack Status : Quantity Packed / Total to be Packed

# OVERVIEW

- Scope:
  - Requires the use of Regular Orders
    - Stock Allocated at Product/Lot Level prior to Picking
  - Requires use of:
    - Maves' Label Interface (LI) System and a
    - 3<sup>rd</sup> Party Label Design System
- Benefits:
  - Reduces Labor Time/Cost since:
    - Picking/Packing Actions are simultaneous and
    - Products with Multi-SKU UOMs may be Picked/Packed



# TRANSACTION PROCESS FLOW

- 1. Create Regular Order (OE.01)
  - Reserve Stock at Product/Lot Level
- 2. Print Pick Slip (OE.03)
  - Reserve Stock at Location Level
- 3. Pick and Pack (RF.01)

# TRANSACTION PROCESS FLOW – RF.01 PICK AND PACK

< MENU >	
#	Description
01	Accept Work
02	Bulk Receiving
03	Single Receiving
04	Master Order Picking
05	Pick Order
06	Bulk Picking
07	Master Bulk Picking
08	Master Order Staging
09	Unpick Stock
10	Display Remarks
<11	Pick and Pack >
12	Load Verify
13	Master BOL Load Verify
14	Move Stock
15	Conveyance Holds
16	Inquiry
17	Select Warehouse
18	Unallocated Pick
19	Master Unall-Pick

01\*Label Printer  
ZEBRA

# TRANSACTION PROCESS FLOW – RF.01 PICK AND PACK

Pick and Pack

Order 400365  
Client

Carton Type  
Product

Loc  
Carton  
Loc  
Prod  
To Pick  
Action N,C,R,Q  
Drop Loc  
Last Carton

< \*\*\*\* Message \*\*\*\* >

Label Reference  
000388

<OK>

# TRANSACTION PROCESS FLOW – RF.01 PICK AND PACK

Pick and Pack

order 400365  
client TEST  
TEST CLIENT  
Carton Type ?  
Product

Loc  
Carton 000001  
Loc  
Prod

< Carton Types >

Cartype01	Cartype02	Cartype03	Cartype04	Cartype05
C1	Small 1CF 30Lbs	1CF30	12	12
C3.5	Medium 3.38CF 55Lbs	3.38CF55	18	18
<C8	Large 8CF 80Lbs	8CF80	24	24 >

# TRANSACTION PROCESS FLOW – RF.01 PICK AND PACK

Pick and Pack

Order 400365  
Client TEST  
TEST CLIENT  
Carton Type C8  
?

Loc  
Carton 000001  
Loc  
Prod

< Order To Pack >

Ln#	ToPack	SKU	Product	Lot
<001	9	UNT	TESTPK11	***
002	3	UNT	TESTPK12	***
003	9	UNT	TESTPK13	***

# TRANSACTION PROCESS FLOW – RF.01 PICK AND PACK

Pick and Pack

Order	400365	001
Client	TEST	
TEST	CLIENT	
Carton Type	c8	
Product		0/21
TESTPK11		
Loc	01-00101	
Carton		000001
Loc	01-00101	
Prod		
To Pick		UNT
Action	N,C,R,Q	
Drop Loc		
Last Carton		

Pick and Pack

Order	400365	001
Client	TEST	
TEST	CLIENT	
Carton Type	c8	
Product		0/21
TESTPK11		
Loc	01-00101	
Carton		000001
Loc	01-00101	
Prod	TESTPK11	
To Pick		UNT
Action	N,C,R,Q	
Drop Loc		
Last Carton		

# TRANSACTION PROCESS FLOW – RF.01 PICK AND PACK

Pick and Pack

```
Order 400365 001
Client TEST
TEST CLIENT
Carton Type c8
Product 0/21
TESTPK11
Loc 01-00101
Carton 000001
Loc 01-00101
Prod TESTPK11
To Pick[9] ]UNT
Action N,C,R,Q
Drop Loc
Last Carton
```

Pick and Pack

```
Order 400365 001
Client TEST
TEST CLIENT
Carton Type c8
Product 0/21
TESTPK11
Loc 01-00101
Carton 000001
Loc 01-00101
Prod TESTPK11
To Pick 8 UNT
Action N,C,R,Q [C]
Drop Loc
Last Carton
```

# TRANSACTION PROCESS FLOW – RF.01 PICK AND PACK

Pick and Pack

```
order 400365 001
Client TEST
TEST CLIENT
Carton Type c8
Product 0/21
TESTPK11
Loc 01-00101
Carton 000001
Loc 01-00101
Prod TESTPK11
To Pick 8 UNT
Action N,C,R,Q C
Drop Loc [SHIPDOCK]
Last Carton
```



# TRANSACTION PROCESS FLOW – RF.01 PICK AND PACK

Pick and Pack

Order 400365 001  
Client TEST  
TEST CLIENT  
Carton Type ?  
Product 0/21  
TESTPK11  
Loc 01-00101  
Carton 000002  
Loc 01-00101  
Prod TESTPK11

< Carton Types >

Cartype01	Cartype02	Cartype03	Cartype04	Cartype05
C1	Small 1CF 30Lbs	1CF30	12	12
<C3.5	Medium 3.38CF 55Lbs	3.38CF55	18	18 >
C8	Large 8CF 80Lbs	8CF80	24	24

# TRANSACTION PROCESS FLOW – RF.01 PICK AND PACK

Pick and Pack

order 400365 001  
Client TEST  
TEST CLIENT  
Carton Type C3.5  
?  
TESTPK11  
Loc 01-00101  
Carton 000002  
Loc 01-00101  
Prod TESTPK11

< Order To Pack >

Ln#	ToPack	SKU	Product	Lot
001	1	UNT	TESTPK11	***
<002	3	UNT	TESTPK12	***
003	9	UNT	TESTPK13	***

# TRANSACTION PROCESS FLOW – RF.01 PICK AND PACK

Pick and Pack

```
order 400365 002
Client TEST
TEST CLIENT
Carton Type c3.5
Product 8/21
TESTPK12
Loc 01-00102
Carton 000002
Loc 01-00102
Prod TESTPK12
To Pick[3]UNT
Action N,C,R,Q C
Drop Loc SHIPDOCK
Last Carton 000001
```

Pick and Pack

```
order 400365 002
Client TEST
TEST CLIENT
Carton Type c3.5
Product 8/21
TESTPK12
Loc 01-00102
Carton 000002
Loc 01-00102
Prod TESTPK12
To Pick 3 UNT
Action N,C,R,Q [N]
Drop Loc SHIPDOCK
Last Carton 000001
```

# TRANSACTION PROCESS FLOW – RF.01 PICK AND PACK

Pick and Pack

order 400365 002  
Client TEST  
TEST CLIENT  
Carton Type C3.5  
?  
TESTPK12  
Loc 01-00102  
Carton 000002  
Loc 01-00102  
Prod TESTPK12

< Order To Pack >

Ln#	ToPack	SKU	Product	Lot
001	1	UNT	TESTPK11	***
<003	9	UNT	TESTPK13	***

# TRANSACTION PROCESS FLOW – RF.01 PICK AND PACK

Pick and Pack

```
Order 400365 003
Client TEST
TEST CLIENT
Carton Type c3.5
Product 11/21
TESTPK13
Loc 01-00103
Carton 000002
Loc 01-00103
Prod TESTPK13
To Pick 9 UNT
Action N,C,R,Q [C]
Drop Loc SHIPDOCK
Last Carton 000001
```

Pick and Pack

```
Order 400365 003
Client TEST
TEST CLIENT
Carton Type c3.5
Product 11/21
TESTPK13
Loc 01-00103
Carton 000002
Loc 01-00103
Prod TESTPK13
To Pick 9 UNT
Action N,C,R,Q C
Drop Loc [SHIPDOCK]
Last Carton 000001
```

# TRANSACTION PROCESS FLOW – RF.01 PICK AND PACK

Pick and Pack

Order 400365 003  
Client TEST  
TEST CLIENT  
Carton Type ?  
Product 11/21  
TESTPK13  
Loc 01-00103  
Carton 000003  
Loc 01-00103  
Prod TESTPK13

< Carton Types >

Cartype01	Cartype02	Cartype03	Cartype04	Cartype05
<C1	Small 1CF 30Lbs	1CF30	12	12
C3.5	Medium 3.38CF 55Lbs	3.38CF55	18	18
C8	Large 8CF 80Lbs	8CF80	24	24

# TRANSACTION PROCESS FLOW – RF.01 PICK AND PACK

Pick and Pack

Order 400365 003  
Client TEST  
TEST CLIENT  
Carton Type c1  
?  
TESTPK13  
Loc 01-00103  
Carton 000003  
Loc 01-00103  
Prod TESTPK13

< Order To Pack >

Ln#	ToPack	SKU	Product	Lot
<001	1	UNT	TESTPK11	***

# TRANSACTION PROCESS FLOW – RF.01 PICK AND PACK

Pick and Pack

```
Order 400365 001
Client TEST
TEST CLIENT
Carton Type c1
Product 20/21
TESTPK11
Loc 01-00101
Carton 000003
Loc 01-00101
Prod TESTPK11
To Pick 1 UNT
Action N,C,R,Q [C]
Drop Loc SHIPDOCK
Last Carton 000002
```

Pick and Pack

```
Order 400365 001
Client TEST
TEST CLIENT
Carton Type c1
Product 20/21
TESTPK11
Loc 01-00101
Carton 000003
Loc 01-00101
Prod TESTPK11
To Pick 1 UNT
Action N,C,R,Q C
Drop Loc [SHIPDOCK]
Last Carton 000002
```



# TRANSACTION PROCESS FLOW – RF.01 PICK AND PACK

Pick and Pack

Order	400365	001
Client	TEST	
TEST CLIENT		
Carton Type	c1	
Product	20/21	
TESTPK11		
Loc	01-00101	
Carton	000003	
Loc	01-00101	
Prod	TESTPK11	
To Pick	1 UNT	
Action	N,C,R,Q C	
Drop Loc	SHIPDOCK	
Last Carton	000002	

< \*\*\*\* Message \*\*\*\* >

Packing complete.

<OK>

# QUERIES

- HighViews:
  - Group: WMS Outbounds:
    - Outbound - Stock
    - Outbound - Conveyances
  - Group: WMS Inventory
    - Conveyance Contents
- Legacy Queries:
  - Order Information (OR.40)
  - Conveyance Inquiry (OR.50)

# QUERIES: OUTBOUND – STOCK (HIGHVIEW)

e-Z Learn OFF

TL Outbounds

Outbounds WIP Outbounds QRY **Outbound Stock** Outbound Units Outbound Convs Shipment Track

Outbound Stock

Preferences Panels Actions Commands Specials Spreadsheet XML

Query | Columns | Rows | MyViews : BASE BASE BASE

Whse Ref	Line	Client	Product	Description	Ordered	To-Ship	Shipped	Hold	Gross	Cube	Unit IDs
400365	001	TEST	TESTPK11	Normal (NO Multi-SKU)	9	9	0		90	9	<a href="#">View</a>
400365	002	TEST	TESTPK12	Normal (NO Multi-SKU)	3	3	0		15	1.5	<a href="#">View</a>
400365	003	TEST	TESTPK13	Normal (NO Multi-SKU)	9	9	0		11.25	1.125	<a href="#">View</a>

# QUERIES: OUTBOUND – CONVEYANCES (HIGHVIEW)

e-Z Learn OFF TL Outbounds

**Outbounds WIP** **Outbounds QRY** **Outbound Stock** **Outbound Units** **Outbound Convs** **Shipment Track**

**Outbound Conveyances**

Preferences Panels Actions Commands Specials Spreadsheet XML

Query | Columns | Rows | MyViews : **BASE** **BASE** | BASE

Whs Ref	Line	Conveyance ID	Client	Product	Ordered	Picked	Shipped	Client Ref	Cust Ref	Whse	Location
400365	001	400365_000001	TEST	TESTPK11	8	8	0	SN-552617	PO-891055	01	SHIPDOCK
400365	001	400365_000003	TEST	TESTPK11	1	1	0	SN-552617	PO-891055	01	SHIPDOCK
400365	002	400365_000002	TEST	TESTPK12	3	3	0	SN-552617	PO-891055	01	SHIPDOCK
400365	003	400365_000002	TEST	TESTPK13	9	9	0	SN-552617	PO-891055	01	SHIPDOCK

# QUERIES: CONVEYANCE CONTENTS (HIGHVIEW)

e-Z Learn OFF TL Inventory

**Product Balance** **Lot Balances** **Lot Activity** **Unit IDs List** **Unit Activity** **Conveyance List** **Conv Contents** **Conv Activity**

**Conveyance Contents**

Preferences Panels Actions Commands Specials Spreadsheet XML

Query Columns Rows MyViews : BASE BASE BASE

ID	Reference	Object	Client	Product	On-Hand	On-Order	On-Hold	Available	In-Transit	Whse	Location	Status	Unit IDs?
400365_000001		CARTON	TEST	TESTPK11	8.0000000	8.0000000	0	0	0	01	SHIPDOCK	ONH	N
400365_000002		CARTON	TEST	TESTPK12	3.0000000	3.0000000	0	0	0	01	SHIPDOCK	ONH	N
400365_000002		CARTON	TEST	TESTPK13	9.0000000	9.0000000	0	0	0	01	SHIPDOCK	ONH	N
400365_000003		CARTON	TEST	TESTPK11	1.0000000	1.0000000	0	0	0	01	SHIPDOCK	ONH	N

# CONFIGURATIONS

- 1. RF Operators (RF.91)
  - Reserve Stock at Product/Lot Level
- 2. Packing Parameters (RF.95)
  - Reserve Stock at Location Level
- 3. Carton Type Set-Ups (CR.73)

# CONFIGURATIONS (CONTINUED)

- 4. Label Interface
  - 3<sup>rd</sup> Party Label Design System
  - Directory to Drop Labels (LI.92)
  - Printer Names (LI.90)
  - Label Format Codes (LI.91)
  - Picking Label Client Set-Ups (LI.89)
  - MH10 – Extension Digit (LI.80)
  - MH10 – Client Ranges (LI.82)
  - MH10 - Client/Customer Setup (LI.84)

# CONFIGURATION: RF OPERATORS (RF.91)

TL RF.91 R.F. Operators [rhcert7 T31320 appdev 03.17.2019] - ViewPoint Logistics

File Help

01.Operator Code: MAVES Maves

02\*Warehouse Selection Method: 3 04.Truck Location code FL-00001

03.Pre-assigned Warehouse : 01 05\*Default for RF Screen Size 0

06.Create Receipt Header 1 07.InTransit Rule 1

< Main Menu Selections >

08.Assign Work	Y	10.Receiving	Y	Y	11.Pick Order	Y	Y	Y	Y
15.Bulk Picking	Y	16.Move Stock	Y	Y	18.Inquiries				Y
19.Count Stock	Y	20.Load Verify	Y	Y	22.Unload Stock				N
23.Select Warehouse	Y	24.Pallet Ctrl	N	N	29.Unallocated Pk	Y	Y	Y	Y
34.Unpick Stock	Y	35.Display Remark	Y		36.Event Entry		Y	Y	
38.Suppress Locs	Y	40.Scan SSCC			41.Pack Order	Y	Y	Y	

< Picking Methods Selections >

44.By Order/Line	Y	45.By Broker/Client	Y	46.By Client	Y
47.By Product	Y	48.By Location	Y	49*To Conveyance	Y

< Inquiry Menu Selections >

50.Find Stock	Y	51.Find Unit IDs	Y	52.Contents	Y
53.Identify Unit IDs	Y	54.Empty Locations	Y	55.Conv. Contents	Y
56.Conveyance IDs	Y	57.Ticket Count	Y		

< Conveyance Labels >

58-Conveyance Printer LP 59.Samples

OK Cancel Delete Review Print Exit Help

Y To include Packing on the user's Menu  
N Not to allow the user to perform Packing



# CONFIGURATION: PACKING PARAMETERS (RF.95)

TL RF.95 Packing Parameters [rhcert7 T31320 appdev 03.17.2019] - ViewPoint Logistics

File Help

01.Client	TEST	TEST CLIENT
02.Warehouse Code	01	North Building
03.Product		All Products

04.Pick Confirmation Type	B
05.Enable Scan Each	N
06.Enable Carton Type Id	Y
07.On Carton Close Validate Dimension	Y
08.Check Carton Weight Capacity	Y
09.Print Carton Label	C

OK Cancel Delete Review Print Exit Help

Pick Confirmation Type: L = Location P = Product B = Both  
N = No Confirmation

# CONFIGURATION: PACKING PARAMETERS (RF.95)

TL RF.95 Packing Parameters [rhcert7 T31320 appdev 03.17.2019] - ViewPoint Logistics

File Help

01.Client	TEST	TEST CLIENT
02.Warehouse Code	01	North Building
03.Product		All Products

04.Pick Confirmation Type	B
05.Enable Scan Each	N
06.Enable Carton Type Id	Y
07.On Carton Close Validate Dimension	Y
08.Check Carton Weight Capacity	Y
09.Print Carton Label	C

OK Cancel Delete Review Print Exit Help

Print Carton Label C = on Carton Close O = order completion N = No Labels

# CONFIGURATION: CARTON TYPES SET-UP (CR.73)

TL CR.73 Carton Type Setup [rhcert7 T31320 appdev 03.17.2019] - ViewPoint Logistics

File Help

< Carton Code Definition >

01*Carton Code	C8
02*Description	8 Cubic Feet
03.Carton Scan Code	8CF
04.Length in Inches	24
05.Width in Inches	24
06.Height in Inches	24
07.Length in CM	60.96
08.Width in CM	60.96
09.Height in CM	60.96
10*Max load in LBS	80
11.Max load in KGS	36.29
12.TARE weight in LBS	0.99
13.TARE weight in KGS	0.45
14.Carton Object Id	CARTON Carton
20.Active	Y

F1 = Update F2 = Clear  
F3 = Jump F4 = Exit

# QUESTIONS?



# THANK YOU

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