



MABUG 2024

San Diego, California

Driving Success through Innovation:
Profitability Unleashed

MABUG 2024

Directed Put Away

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Wednesday April 17, 2024 09-00 to 10:00

AGENDA

- Introduction
- Overview
- Demonstration
- Configurations
- Conclusion
- Question and Answers

Introduction



- ◉ Ever ponder the GREAT Philosophical Questions of Humanity ...
 - > 1. Which came first, the Chicken or the Egg?
 - > 2. Why did the Chicken cross the Road?
 - > 3. Most importantly, where was the Chicken **supposed to be going?**
- ◉ Find out the answers to these Questions (and more) in this Presentation!

Overview



◉ Seriously now ...

- > What does the actual process “look like” when the System recommends a Location?
- > Where and what configurations are available/required to activate/use Directed Put Away?
- > Is it possible to activate it for just some Facilities and some Clients/Products?
- > Let's find out shall we?

Demonstration

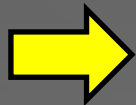


● Scenario:

- > We'll be receiving a Conveyance of 64 Cases of **Chicken** Breasts into Inventory
- > The System will need to determine the best Put Away Location in Warehouse 63
- > Before we begin the demonstration, we'll look at:
 - Valid Warehouse 63 Locations and
 - Occupied and Available Locations

Warehouse 63

| | | LOCATIONS | | | | | | | |
|------------|-------------|-----------|---------|-------------|---------|-----------|--|--------------|--|
| | | Aisle | Side | Column | Tier | | | | |
| WHSE 63 | Aisle 01 | 07 | B | 001 | A | | | | |
| | | | N or S | 001 to 010 | B or C | | | | |
| | 02 | | B | 011 | A | | | | |
| | | | N or S | 011 to 020 | B or C | | | | |
| | | | B | 021 | A | | | | |
| | 03 | | N or S | 021 to 030 | B and C | | | | |
| | | ZONES | | | | | | | |
| | | Code | Product | Description | | | | | |
| | | | | | | | | | |
| | | | | | | | | Storage Type | |
| | | | | | | | | Pick Line | |
| | | | | | | | | Bulk | |
| | | | | | | | | Pick Line | |
| | | | | | | | | Bulk | |
| | | | | | | | | Pick Line | |
| | | | | | | Bulk | | | |
| | | | | | | Pick Line | | | |
| | | | | | | Bulk | | | |



CHICKEN_BREASTS_030

| <div><div>07</div><div>1</div><div>09</div></div> | SEPARATION | | | Pick Line Bulk Pick Line Bulk Pick Line Bulk |
|---|------------|------------|--------------|---|
| | Code | Popularity | Storage Type | Pick Line Bulk Pick Line Bulk Pick Line Bulk |
| | Breasts | A | Pick Line | Pick Line Bulk |
| | | | | Bulk |
| | | B | Pick Line | Pick Line Bulk Pick Line Bulk |
| | | | | Bulk |
| | | C | Pick Line | Pick Line Bulk |
| | | | | Bulk |

Warehouse 63

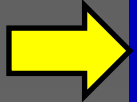
WMS Locations HighView

| L1: Locations [Locations] | | | | | | | | | | |
|---------------------------|------------|--------------|------------|--------------|--------------|-----------|---------|---------|---------------------------------|--|
| Locs for Chk | | Put Away | On-Hand | Last Changed | | | | | | |
| Whse | Visual Loc | Storage Zone | Separation | Popularity | Storage Type | Occupancy | Changed | Changed | Unique Key | |
| 63 | 07N006C | CHICKEN | CHKBST | A | B | 1 | | | H0060048TOR1__00000005735332802 | |
| 63 | 07N007B | CHICKEN | CHKBST | A | B | 1 | | | H0060048TOR1__00000005735333802 | |
| 63 | 07N007C | CHICKEN | CHKBST | A | B | 1 | | | H0060048TOR1__00000005735334802 | |
| 63 | 07N008B | CHICKEN | CHKBST | A | B | 1 | | | H0060048TOR1__00000005735335802 | |
| 63 | 07N008C | CHICKEN | CHKBST | A | B | 1 | | | H0060048TOR1__00000005735336802 | |
| 63 | 07N009B | CHICKEN | CHKBST | A | B | 1 | | | H0060048TOR1__00000005735337802 | |
| 63 | 07N009C | CHICKEN | CHKBST | A | B | 1 | | | H0060048TOR1__00000005735338802 | |
| 63 | 07N010B | CHICKEN | CHKBST | A | B | 1 | | | H0060048TOR1__00000005735339802 | |
| 63 | 07N010C | CHICKEN | CHKBST | A | B | 1 | | | H0060048TOR1__00000005735340802 | |
| 63 | 07S001B | CHICKEN | CHKBST | A | B | 1 | | | H0060048TOR1__00000005735446802 | |
| 63 | 07S001C | CHICKEN | CHKBST | A | B | 1 | | | H0060048TOR1__00000005735447802 | |
| 63 | 07S002B | CHICKEN | CHKBST | A | B | 1 | | | H0060048TOR1__00000005735323802 | |
| 63 | 07S002C | CHICKEN | CHKBST | A | B | 1 | | | H0060048TOR1__00000005735377802 | |
| 63 | 07S003B | CHICKEN | CHKBST | A | B | 1 | | | H0060048TOR1__00000005735378802 | |
| 63 | 07S003C | CHICKEN | CHKBST | A | B | 1 | | | H0060048TOR1__00000005735379802 | |
| 63 | 07S004B | CHICKEN | CHKBST | A | B | 1 | | | H0060048TOR1__00000005735380802 | |
| 63 | 07S004C | CHICKEN | CHKBST | A | B | 1 | | | H0060048TOR1__00000005735381802 | |
| 63 | 07S005B | CHICKEN | CHKBST | A | B | 1 | | | H0060048TOR1__00000005735382802 | |

| Whse | Visual Loc | Storage Zone | Separation | Popularity | Storage Type | Occupancy |
|------|------------|--------------|------------|------------|--------------|-----------|
| 63 | 07S008C | CHICKEN | CHKBST | A | B | 0 |
| 63 | 07S009B | CHICKEN | CHKBST | A | B | 0 |
| 63 | 07S009C | CHICKEN | CHKBST | A | B | 1 |
| 63 | 07S010B | CHICKEN | CHKBST | A | B | 0 |
| 63 | 07S010C | CHICKEN | CHKBST | A | B | 0 |

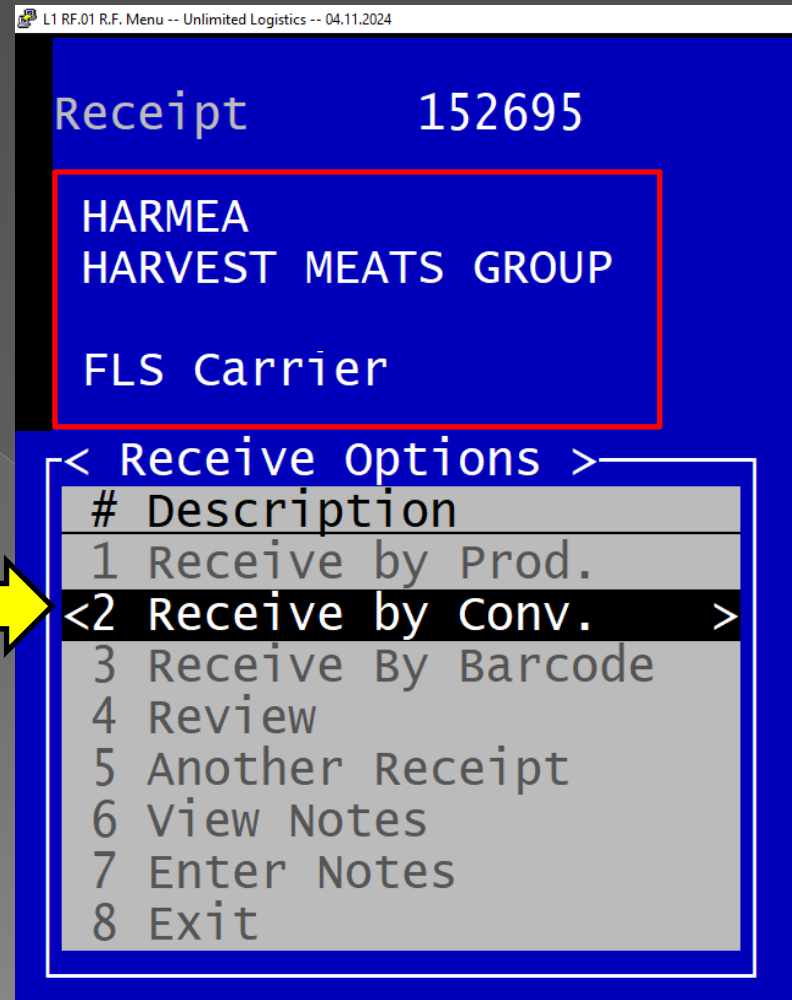
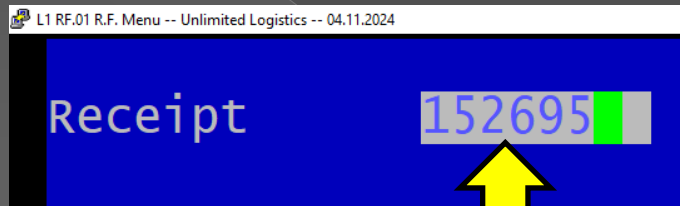
Demo:

RF.01 Single Receiving by Conveyance Directed Put Away



| < MENU > | |
|----------|-----------------------|
| # | Description |
| 01 | Accept Work |
| 02 | Bulk Receiving |
| <03 | Single Receiving > |
| 04 | Wave Pick Unallocated |
| 05 | Pick Order |
| 06 | Unpick Stock |
| 07 | Pick and Pack |
| 08 | Load Verify |
| 09 | Move Stock |
| 10 | Conveyance Holds |
| 11 | Inquiry |
| 12 | Unallocated Pick |
| 13 | Count Stock |
| 14 | Event Entry |
| 15 | Log off |

RF.01 Single Receiving by Conveyance Directed Put Away



RF.01 Single Receiving by Conveyance Directed Put Away

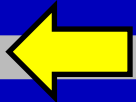
L1 RF.01 R.F. Menu -- Unlimited Logistics -- 04.11.2024

Whse63 Rec152695
Client HARMEA
Conveyance Id

Prod

< Conveyance Entry >


| | |
|--------|-------------|
| Conv | PALLET |
| ID | C152695-303 |
| Ref ID | |
| Whs | 63 |
| Loc | |



< * Operator Msg * >

Confirm creation
of new Conveyance ID
C152695-303
Whse: 63
Location: RECVDOCK

<Yes> No



RF.01 Single Receiving by Conveyance Directed Put Away

L1 RF.01 R.F. Menu -- Unlimited Logistics -- 04.11.2024

| | |
|-----------------------|-------------|
| Whse63 | Rec152695 |
| Client | HARMEA |
| Conveyance Id | |
| c152695-303 | |
| Prod | |
| [CHICKEN_BREASTS_030] | |
| Prd | Tot3752 |
| Lot | |
| GW 0 | NW 0 |
| Ho1d | LocRECVDock |

L1 RF.01 R.F. Menu -- Unlimited Logistics -- 04.11.2024


| | |
|----------------------|-------------|
| Whse63 | Rec152695 |
| Client | HARMEA |
| Conveyance Id | |
| c152695-303 | |
| Prod | |
| CHICKEN_BREASTS_030 | |
| Chkn Brst - Bnls Skn | |
| Prd 0 | Tot3752 |
| Lot | SR-524564 |
| P.O.# | |
| GW 0 | NW 0 |
| Ho1d | LocRECVDock |

RF.01 Single Receiving by Conveyance Directed Put Away

L1 RF.01 R.F. Menu -- Unlimited Logistics -- 04.11.2024

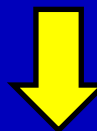
| | |
|----------------------|-----------|
| Whse63 | Rec152695 |
| Client | HARMEA |
| Conveyance Id | |
| C152695-303 | |
| Prod | |
| CHICKEN_BREASTS_030 | |
| Chkn Brst - Bnls Skn | |
| Prd 0 | Tot3752 |
| Lot 123124 | |
| Expiration Date | |

GW 0 NW 0
Ho1d LocRECVDCK



L1 RF.01 R.F. Menu -- Unlimited Logistics -- 04.11.2024

| | |
|----------------------|-----------|
| Whse63 | Rec152695 |
| Client | HARMEA |
| HARVEST MEATS GROUP | |
| Stack | Rcvd3752 |
| ProdCHICKEN_BREASTS_ | |
| LotSR-524564 12.31.2 | |
| 4 | |
| L.Id | |
| PLT | |
| C152695-303 | |
| Quantity | 64 |
| G.W 0 | 0 |
| Hold | Loc |





RF.01 Single Receiving by Conveyance Directed Put Away

L1 RF.01 R.F. Menu -- Unlimited Logistics -- 04.11.2024

Whse63 Rec152695
Client HARMEA
HARVEST MEATS GROUP
Stack Rcvd3752
ProdCHICKEN_BREASTS_
LotSR-524564 12.31.2
4
L.Id
PLT
C152695-303

Quantity 64
G.W 640 0
Hold Loc


Scan Product



L1 RF.01 R.F. Menu -- Unlimited Logistics -- 04.11.2024

Whse63 Rec152695
Client HARMEA
HARVEST MEATS GROUP
Stack Rcvd3752
ProdCHICKEN_BREASTS_
LotSR-524564 12.31.2

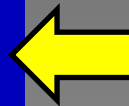
< Putaway >
F2 to Change
F1 To Mark as
Unavailable
.Best Location
07S008C



RF.01 Single Receiving by Conveyance Directed Put Away

L1 RF.01 R.F. Menu -- Unlimited Logistics -- 04.11.2024

| | |
|----------------------|-------------|
| Whse63 | Rec152695 |
| Client | HARMEA |
| HARVEST MEATS GROUP | |
| Stack | Rcvd3752 |
| ProdCHICKEN_BREASTS_ | |
| LotSR-524564 12.31.2 | |
| 4 | |
| L.Id | |
| PLT | |
| C152695-303 | |
| Quantity | 64 |
| G.W 640 | 640 |
| Hold | Loc 07S008C |
| F2 Mark As Un-avail | |



L1 RF.01 R.F. Menu -- Unlimited Logistics -- 04.11.2024

| | |
|----------------------|-------------|
| Whse63 | Rec152695 |
| Client | HARMEA |
| HARVEST MEATS GROUP | |
| Stack | Rcvd3752 |
| ProdCHICKEN_BREASTS_ | |
| LotSR-524564 12.31.2 | |
| 4 | |
| L.Id | |
| PLT | |
| C152695-303 | |
| Quantity | 64 |
| G.W 640 | 640 |
| Hold | Loc 07S008C |
| F2 Mark As Un-avail | |
| Accept Y/N | |



Configurations - Space



- ◉ CR.62 Product Master (Dimensions)
- ◉ CR.11 Conveyance Objects (Dimensions)
- ◉ SL.81 Location Dimensions
- ◉ SL.90 Location Master
- ◉ SL.99 Space Management Control

CR.62 Product Master Dimensions

L1 CR.62 Client's Inventory Products -- Unlimited Logistics -- 04.11.2024

File Help

Product Billing Stock Control Miscellaneous

Client * HARMEA HARVEST MEATS GROUP SAN I
Product * CHICKEN_BREASTS_030
Desc-1 * Chkn Brst - Bnls Sknls Portion
Desc-2

On Hand Qty 2658
Not On Order 2658
Gross Weight 25680
Net Weight 25680
On Hand Cube 2234

< Details >

SKU Code * CS Case
Product Type N
Generic Code CHICKEN
Sales Group * MEAT
Cubic Measure * I
NMFC Code * 00000000
Messages
Action Codes
Temperature * N
Hazardous * N

Weight Measure * LBS
Weight Entered * G
Gross Unit WGHT 10.000000
Net Unit Weight 9.000000
Tare Weight 1
Unit Length 12
Unit Width 12
Unit Height 12.00
Total Cube 1.0000
Imperial Measure PCF: 10.00
Status A A

OK Cancel Delete Review Print Exit Help

Enter the length of the Product

CR.62 Product Master

Pallet Configuration and Stackability

L1 CR.62 Client's Inventory Products -- Unlimited Logistics -- 04.11.2024

File Help

Product Billing **Stock Control** Miscellaneous

| | | | | |
|------------|--------------------------------|---------------------|--------------|-------|
| 01*Client | HARME | HARVEST MEATS GROUP | On Hand Qty | 2658 |
| 02*Product | CHICKEN_BREASTS_030 | | Not On Order | 2658 |
| 03*Desc-1 | Chkn Brst - Bnls Sknls Portion | | Gross Weight | 25680 |
| 04.Desc-2 | | | Gallon | 25680 |
| | | | On Hand Cube | 2234 |

< Details >

Pallet Tie : 16

Pallet Tier : 4

Pallet Odtie : 0

SKUs / Pallet: 64

Pack Size : * 64 PLT

Packing : 0 N 0

Reporting Qty: 0

Divide by Pack Size

Stackability 0

Stock-Locator Pckg Mthd C

Use Pickline

Unit Control

Secondary Unit ID: N

Weight Data N

Default Location

Enter Cube Data N

Cycle Count Class

Catch Weight N L

OK Cancel Delete Review Print Exit Help

Enter the Units in one layer of the Pallet (minimum 1)

SL.81 Storage Dimensions

L1 SL.81 Storage Dimensions -- Unlimited Logistics -- 04.11.2024

File Help

Storage Dimensions

| Dim.Code | Description | width | Length | Height | M ^ |
|----------|--------------------------|-------|--------|--------|-----|
| G | Generic | 9999 | 9999 | 9999 | 0 |
| H | Hold Area | 9999 | 9999 | 9999 | 0 |
| L | Rail Side | 9999 | 9999 | 9999 | 9' |
| P | Pallets | 3.33 | 4 | 5.5 | 0 |
| PA | Pick Line 10 Pallets | 41 | 4.5 | 5 | 0 |
| PL | Pick Line | 9999 | 9999 | 9999 | 0 |
| R | Rack Location (1 Pallet) | 4.5 | 4.5 | 5 | 0 |
| R1 | Rack - 1 Pallet | 6 | 6 | 6 | 0 |
| R2 | 1 Refrigerator | 4 | 4 | 7 | 0 |
| RD | Receiving Dock | 9999 | 9999 | 9999 | 0 |
| S | Shelf | 1 | 4 | 1.5 | 0 |
| SD | Shipping Dock | 9999 | 9999 | 9999 | 0 |
| W | Re-Work Area | 9999 | 9999 | 9999 | 0 |

< >

Previous Next Finish Add Edit Start Go

☐ Reverse

SL.81 Location Dimensions

L1 SL.81 Storage Dimensions -- Unlimited Logistics -- 04.11.2024


File Help

Maintain Data in File

| | |
|----------------------------|--------------------------|
| Description | Rack Location (1 Pallet) |
| Width | 4.5 |
| Length | 4.5 |
| Height | 5 |
| Maximum Load Weight | 0 |
| Max. Stackability | 0 |
| Loc Storage Limit - Length | 0 |
| Loc Storage Limit - Width | 0 |
| Loc Storage Limit - Height | 0 |

Enter a Description for the Storage Dimension Code.

OK Discard Reset Clear Help



SL.90 Location Master


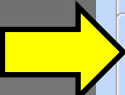
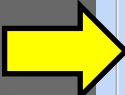
L1 SL.90 Locations -- Unlimited Logistics -- 04.11.2024

File Help

| | | |
|-------------------|-----------|---------------------------|
| Warehouse Code | * 63 | 7391 PACIFIC CIRCLE |
| Aisle Code | * 07 | Aisle 07 |
| Side Code | * S | South Side |
| Column Code | * 008 | |
| Tier Number | * C | |
| Visual Location | 07S008C | Location Sequence S |
| Storage Type | * B | Bulk |
| Separation Code | * CHKBST | Chicken - Breasts |
| Popularity Code | * A | Fast |
| Co-Storage Code | X | Co-storage not applicable |
| Storage Zone | * CHICKEN | Chicken |
| Work Zone | | |
| Dimensions Code | * R | Rack Location (1 Pallet) |
| Maximum Weight | | |
| Front/Back Loaded | F | |

OK Cancel Delete Review Print Exit Help

ENTER = Accept F3 = Jump DEL = Delete Print = Print Locations
F2 = Clear F4 = Exit SDEL = Single Location Delete GEN = Gen Loc



SL.99 Space Management Control

L1 SL.99 Space Management Control -- Unlimited Logistics -- 04.11.2024

File Help

< Space Management Switch >

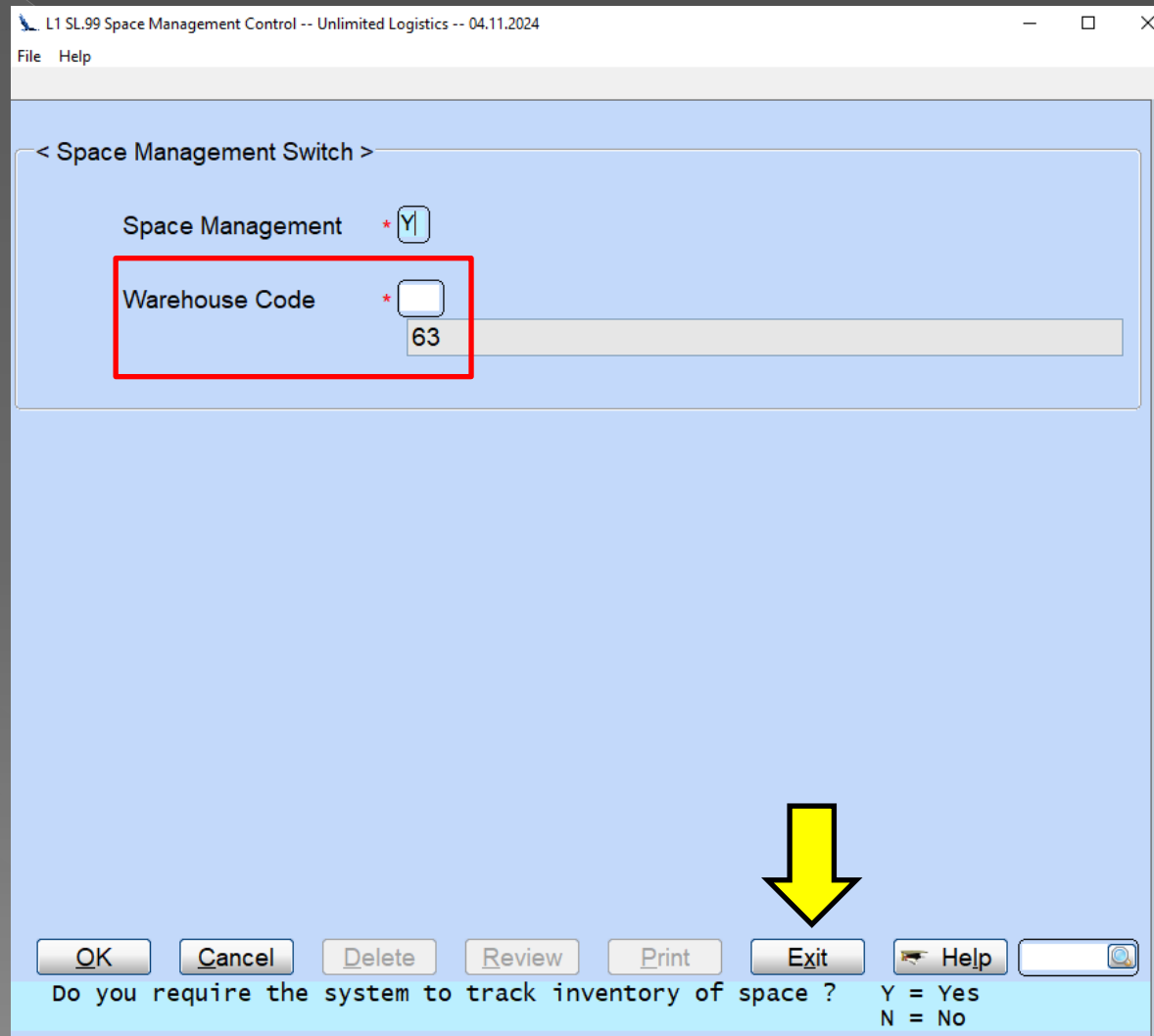
Space Management * ☒

Warehouse Code *

63

OK Cancel Delete Review Print Exit Help

Do you require the system to track inventory of space ? Y = Yes
N = No



Configurations - Profiles



- ◉ SL.86 Storage Zone Profiles
- ◉ SL.78 Storage Type Profiles
- ◉ SL.80 Popularity Code Profiles
- ◉ SL.82 Separation Code Profiles

SL.86 Storage Zone Profiles

L1 SL.86 Storage Zone Preferences -- Unlimited Logistics -- 04.11.2024

File Help

Maintain Data in File

*Zone Code CHICKEN

Enter the Storage Zone Code
or Enter ? to display existing codes

OK Discard Reset Clear Help

Storage Zone Profiles

| Profile code | Sequence | Zone Code |
|--------------|----------|-----------|
| 3VUSA | 005 | 3VUSA |
| AUTOAPP | 005 | AUTOAPP |
| AUTOAPP | 010 | R |
| BASF | 005 | BASF |
| BASF | 010 | R |
| BEEF | 005 | BEEF |
| BEEF | 010 | G |
| BLURAY | 001 | BLUERAYS |
| CHEM4 | 001 | F |
| CHEMIC | 005 | CHEMIC |
| CHICKEN | 005 | CHICKEN |
| CHICKEN | 010 | G |
| DUPONT | 005 | DUPONT |
| DUPONT | 010 | R |

Previous Next Finish Add Edit Start Go

☐ Reverse

SL.78 Storage Type Profiles

L1 SL.78 Storage Types / Type Profiles -- Unlimited Logistics -- 04.11.2024

File Help

Maintain Data in File

*Storage Code

Enter a Storage Type Code
or Enter ? to display existing codes

OK Discard Reset Clear Help

Storage Type Preferences

| Profile Code | Sequence | Storage Code |
|--------------|----------|--------------|
| BLURAY | 001 | G |
| BULK | 005 | B |
| BULK | 010 | S |
| CHEM | 001 | R |
| COOLER | 005 | C |
| FROZEN | 005 | F |
| G | 001 | G |
| ME7000H | 001 | Z |
| MEAT | 001 | Z |
| MEAT | 002 | S |
| RACK | 005 | R |
| REFRIG | 001 | G |
| STORAGE-R | 001 | R |
| V | 005 | V |

Previous Next Finish Add Edit Start Go

☐ Reverse

SL.80 Popularity Code Profiles

L1 SL.80 Popularity Codes and Profiles -- Unlimited Logistics -- 04.11.2024

File Help

Maintain Data in File

*Popularity Code

Enter a Popularity Code
or Enter ? to display existing codes

OK Discard Reset Clear Help

Popularity Preference Profiles

| Profile Code | Sequence | Popularity Code |
|--------------|----------|-----------------|
| AM | 001 | A |
| ANDCHE | 005 | G |
| APOTEX | 005 | G |
| BLURAY | 001 | A |
| CHEM1 | 001 | A |
| FAST | 005 | A |
| FAST | 010 | G |
| FSCGFF | 005 | G |
| G | 001 | G |
| ME7000H | 001 | Z |
| MEAT | 001 | Z |
| MEAT | 002 | G |
| MEDIUM | 005 | B |
| MEDIUM | 010 | G |
| ----- | 001 | . |

Previous Next Finish Add Edit Start Go

☐ Reverse

SL.82 Separation Code Profiles

L1 SL.82 Separation Codes and Profiles -- Unlimited Logistics -- 04.11.2024

File Help

Maintain Data in File

*Separation Code

Enter a Separation Code
or Enter ? to display existing codes

OK Discard Reset Clear Help

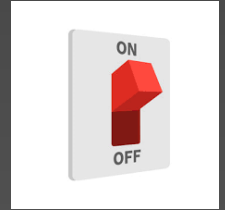
Separation Preferences

| Whse | Profile Code | Sequence | Separation Code |
|------|--------------|----------|-----------------|
| 50 | G | 001 | G |
| 52 | G | 001 | G |
| 52 | V | 005 | V |
| 52 | V | 010 | R |
| 63 | BACON | 005 | BACON |
| 63 | BACON | 010 | G |
| 63 | CHKBST | 005 | CHKBST |
| 63 | CHKBST | 010 | G |
| 63 | CHKLGT | 005 | CHKLGT |
| 63 | CHKLGT | 010 | G |
| 63 | CHKWNG | 005 | CHKWNG |
| 63 | CHKWNG | 010 | G |
| 63 | CHUCK | 005 | CHUCK |
| 63 | CHUCK | 010 | G |

Previous Next Finish Add Edit Start Go

☐ Reverse

Configurations – Activate



- SL.88 Client/Product Profiles - Assign
- SL.98 Active Put Away Set-Up

SL.88 Client/Product Profiles Assignment


L1 SL.88 Client/Product Profiles-Assign -- Unlimited Logistics -- 04.11.2024

File Help

| | | |
|---------------------------|-----------------------|--|
| Warehouse Code | * 6 | |
| Client Code | * HARME | |
| Product Code | * CHICKEN_BREASTS_030 | |
| Separation Profile Code | * CHKBST | |
| Popularity Profile Code | * FAST | |
| Storage Zone Profile Code | * CHICKEN | |
| Storage Type Profile Code | * BULK | |
| Business Rule code | * 3 | |
| Override Password Level | * 01 | |

OK Cancel Delete Review Print Exit Help

F1 = Update
F4 = Exit



SL.98 Active Put Away Set-Up

L1 SL.98 Active Putaway Setup -- Unlimited Logistics -- 04.11.2024

File Help

< Assign Product Using Active Putaway >

Client HARMEA

Product CHICKEN_BREASTS_030

Specific Warehouse 63

Single Location per Lot ☐

OK Cancel Delete Review Print Exit Help

ENTER = Update F3 = Jump DEL = Delete
F2 = Clear F4 = Exit

Conclusion

- ◉ Before implementing Directed Put Away you may use:
 - > Use User Directed
 - Put it anywhere
 - > Verified Directed
 - System will warn if it's incorrect
 - Will record "Overrides" to Discrepancy Report
 - > Activate Space Management without Directed
- ◉ Finally, you can turn on Directed Put Away for specific Warehouses, Client and Products.

Questions and Answers

