



MABUG 2019

LEVERAGING TRANSPORTATION

LEVERAGING TRANSPORTATION

- Presentation by Star Distribution
- Transportation features not requiring full TMS setup
- Transportation features in TMS



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Review of what we had last year

How it works – the cogs icon, integrates with EDI

In the cloud

LEVERAGING TRANSPORTATION

- Features not requiring TMS
 - WP96 / 4 – Carrier mandatory
 - WP96/9 – Weight exceeded warning

Allow Deferred Orders?	<input type="checkbox"/> Y	Yes	<input type="checkbox"/> N	No
Bypass Order Date/Sold To?	<input type="checkbox"/> N	No	<input type="checkbox"/> Y	Yes
Default Shipping Date	<input type="text" value="0"/>			
Outbound Carrier Required?	<input type="checkbox"/> M	Mandatory		
BoL Same as Order Number?	<input type="checkbox"/> Y	Yes		
Operator Approval for Take?	<input type="checkbox"/> N	No		
Lot Forced to Negative?	<input type="checkbox"/> N	No		
Enter Weight for RW Action	<input type="checkbox"/> C	Confirm		
Weight Exceeded Warning	<input type="text" value="44000"/>	<input type="text" value="LBS"/>		



3

Carrier mandatory – do see a few places where this is not mandatory – it means you can type in a name in OE01 but if there is any type of EDI or integration involved this is not sufficient and carrier code needs to be defined and selected in shipping

Weight exceeded – anyone use this?

Will display a message in OE01

LEVERAGING TRANSPORTATION

- CR38
 - Weight exceeded
 - SCAC
 - Small parcel interface
 - Routing code

Routing code	Routing Description	Non-Standard Route
<input type="text"/>	<input type="text"/>	<input type="text"/>
Routing Code		
Code	Description	Non-Standard Routing
01	Own Trucks	N
02	CUSTOMER PICK UP	N
03	COMMON CARRIER	N
04	OTHER	N
05	INTERNAL TRANSFER	N
AB	Alberta	N
AK	Alaska	N
AL	Alabama	N

Carrier Code	* ARC	Pieces Limit	0
Carrier Name	* ARCTIC EXPRESS	Weight Limit	
Address 1		SCAC Code	
Address 2		Label Format	
Telephone		RT Company	L1
Weight Measure	* LBS		
Routing Code	02 CUSTOMER PICK UP		



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CR38 fields

Weight exceeded – anyone use this?

Routing code- distinguish between own truck, carrier, customer pickup plus other options

Routing code displays in OE01

NR non standard routing code charge

TMS - FEATURES

- Integrates with WMS
- Dispatch
- Rating / Billing
- Payable management
- Manifests
- Track & Trace
- EDI



Intention is not to go through every feature – we have done that before, but to highlight some things for you

LEVERAGING TRANSPORTATION

- Integrates with WMS
 - Orders entered in OE01 link to TMS based on configuration:
 - Carrier
 - Control Method

*Client Code	00001	To Ship D/T	03.27.19	6:28AM
ABC COMPANY		Service LFT	BEST	DRY
1910 GALLAGHER COURT		Carrier code	TBD	
VINELAND, NJ 08360		Routing Code	To be Determined	
*Ship-To Code	00091	Control Method	01	Own Trucks
T MARZETTI COMPANY		Seller's Number	RLS PREPD	
XXXX PO BOX 29163		Purchase Order	0328A	
XXXX		To Arrive D/T		6:29AM
COLUMBUS, OH 43209		Hash Total		
Bill-To Code		Broker Number		



Intention is not to go through every feature – we have done that before, but to highlight some things for you

Pro is created based on:

Carrier
Click

Control Method
Click

When order number created will get message re pro number

Click

CONTROL METHOD

- WMS functions
- Internal Freight (TMS link)
- Prepaid / Collect / 3party
- Small parcel shipping

Client	GEN
Control Method	PP
BOL Description	PRE-PAID
C.O.D. Function in OE.01	N
Default Bill-To in OE.01	N
Internal Freight	N
Prepaid or Collect	N
Print Client Freight Service	N
Use Paying Service as RT Bill-To	N
Shipping Charges paid by Client	N
Bill Shipping Charges to Client	N
Carrier Code	
Charge codes to be billed	

Description * Pre-Paid



CP03 has 3 types of functions

WMS only

TMS rel

WMS/TMS LINK

OE01

*Client Code	00001	To Ship D/T	03.27.19	6:28AM
ABC COMPANY		Service L/T	BEST	DRY
1910 GALLAGHER COURT		Carrier code	TBD	
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T MARZETTI COMPANY		Seller's Number	000001	RLS PREPD
XXXX PO BOX 29163		Purchase Order	0328A	
XXXX		To Arrive D/T		6:29AM
COLUMBUS, OH 43209		Hash Total		
Bill-To Code		Broker Number		
		Order Type	R	REGULAR ORDER
		Status	Modified	
		Master Order		
		Warehouse	0700	Pt Qty
Whse. Order #	445243	Probill/Manifest	L1445243	Est 1.0
Order date	03.27.19	Shipped D/T		
		Bill of Lading	445243	

BL01

Pro #						Client						Ship From						Ship To						Branch						Shipped Date						Currency						P.O. #						Equip #						Ref #						BOL																																			
L1445243						ABC COMPANY MAIN STREET ATLANTA, GA 1000						WAREHOUSE 03 WAREHOUSE FARMINGDALE,						ATTN: MELI COLUMBUS, OH 43229.																																																																													
00001						RELMAL						00091						01						Shipper						RELMAL						Adj for																																																											
00001						00001						00001						00001						Consignee						00091						Seal #																																																											
																								C.O.D.						Z						Vessel #																																																											
																								Co/Tr						F						Service Level						BEST																																																					
445243						0328A						00001						00001						Bill-To						00001						Freight Type						DRY																																																					
																								Bin Stag						P						Palet Ord.						O						0																																															
																								Ship Value						0																																																																	

REVENUE		TotalWgt= 1102.00 Pcs= 100.00 Rev= 154.00	
Line	* 001	Remark	RATE TO OH
Type	L	Pay Code	Discount 0.00
Prices	1,102.00	Freight Class	Accessories 0.00
Weigh	100.00	Rate	Tax 0.00
Units	48.42	Carrier	Line Total 154.00
		Carrier Pro	Minimum

Line details consolidated by
commodity by pieces, weight



DISPATCH – SHIPMENT STATUS

ProBill

Manifest

Trip

Equipment

Driver

ProBill WIP ActionGrid

Preferences

Panels

Actions

Commands

Specials

Spreadsheet

XML

Pick-Up

Delivery

Miscellaneous

Financial

Dispatch

Last Changed

ProBill	Client	Pickup Date	Pickup Time	Del App.Date	Del App.Time	Del Req.Date	Del Req.Time	Del Est.Date	Del Est.Time	Disp Date	Disp Time	Del Arr.Date	Del Arr.Time	Del Date
681312	CARSWI													
681311	CARSWI	2013-03-01	09:00	2013-03-02	08:00	2013-03-02	09:00		00:00					2013-03-02
681310	CARSWI	2013-03-01	10:00	2013-03-01	11:55									
681308	CARSWI	2013-03-09	07:00	2013-03-10	10:00	2013-03-10	11:00							
681307	FOOPAL	2013-03-02	09:30	2013-03-02	14:00	2013-03-02	16:00		00:00	2013-03-02	10:00			2013-03-02
681306	FOOPAL		08:57		10:00									
681305	CARSWI	2013-03-01	11:00	2013-03-01	15:00									
<div>Pickup</div> <div>Del Appt</div> <div>Del Req</div> <div>Del Est</div> <div>Dispatch</div> <div>Arrived</div>														

Undo

ProBill WIP ActionGrid

Auto-Refresh Off

Time Since Last Refresh : 00:03:31

Total Rows Displayed : 7 of 3,217

MAVES

IT. Since Visible

The TMS system tracks all these statuses – clients can also see them on Mylogistics, as well as receive 214 shipment status messages

ProBill WiP ActionGrid

Preferences Panels Actions Commands Specials Spreadsheet XML

List CMD's | ProBill Maint. | Appointment | Create Manifest | Container dispatch entry

Probill	Client	Wgt	Pcs	PRF CARR	D Code	P.O. #	Sales	D Zn	D Zip	D St 1 ▲	D City
681308	CARSWI	599	67	TBD	UNIMIL	100622	300	A2	97222	OR	MILWAUKIE
681310	CARSWI	500	100	TBD	ALBPOR	8912345	300	A2	97230	OR	PORTLAND
681307	FOOPAL	5865	184	ORET	FOOWOO	3158598	300	A2	97071	OR	WOODBURN
681306	FOOPAL	5180	160	ORET	SYSWIL	1219170	300	A2	91752	OR	WILSONVILLE
681312	CARSWI	1099									PORTLAND
681305	CARSWI	837									SONVILLE
681311	CARSWI	1000									SONVILLE
681321	ACKPHI	1000									ADELPHIA
681302	00001	10000									ADELPHIA
681335	00001	28.98									ADELPHIA
681338	00001	0									SBURGH
681313	00001	10000	10	TBD	ACKPHI		100	C2	19125	PA	PHILADELPHIA
681314	00001	5000	5	TBD	ACKPHI		100	C2	19125	PA	PHILADELPHIA
681334	00001	72.45	5	RLS	00057		100	C2	19122	PA	PHILADELPHIA
681300	00001	5000	0	RLS	ACKPHI	AASD	100	C2	19125	PA	PHILADELPHIA
681303	00001	20000	0	DDC	ACKPHI	TYTUTUY	100	C2	19125	PA	PHILADELPHIA
681304	00001	1000	0		CFCQUA	N/A	100	C1	18951	PA	QUAKERTOWN

566,815.2 8,227.0

Undo ProBill WiP ActionGrid Auto-Refresh ☐ off Time Since Last Refresh : 00:02:59

A big part of a dispatchers job is keeping track of appointments – this is not the warehouse appointment system per se, but appointments for the truck or carrier you are using.

Generally includes pickup and delivery appointment times. A quick pop screen gives the dispatcher the ability to do this

BILLING

- Standard LTL Rates
- Accessorial charges; e.g., liftgate, notification, residential charges



MY COMPANY NAME Invoice

Company Name
Address Line 1
City, State ZIP
Phone (xxx) xxx-xxxx
Fax (xxx) xxx-xxxx
Web www.mysite.com

Invoice # 12345678
Invoice Date 02/28/2008
P.O. # 12345678

Bill To:
Company Name
Address Line 1
City, State ZIP

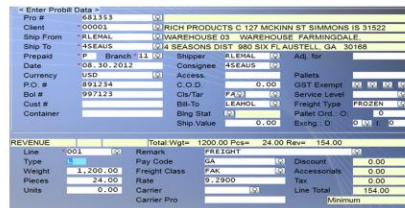
Ship To:
Company Name
Address Line 1
City, State ZIP

Billing From	Billing To	Ship From	Ship To	Terms
01/01/2008	02/28/2008	City	City	Due On Receipt

ITEM NAME	UNIT	QUANTITY	PRICE
Network Installation	Hour	12.00	200.00
Board Meeting	Hour	1.00	35.00
Computer Repair Cancel	Hour	1.00	45.00
	Subtotal		280.00
	Shipping		0.00
			720.00
			1,000.00

BILLING

- Rate Quotes – new development 
 - For spot quotes
 - Replaces RA50 – Quote Entry (works like BL01)
 - Print/email quote on eDocs form
 - Convert quote to probill in BL01
 - Highview for quotes



Enter Probill Data																																							
Pro #	041353	Client	RICH PRODUCTS C 127 MCKINN ST SIMMONS IS 31522																																				
Ship From	WLEAL	Warehouse	WAREHOUSE 03 WAREHOUSE FARMINGDALE																																				
Ship To	45EAUS	Ship To	14 SEASONS DIST 980 SIX PL AUSTELL GA 30106																																				
Prepaid	P	Branch	11																																				
Date	08.10.2012	Shipper	WLEAL																																				
Currency	USD	Consignee	45EAUS																																				
P.O. #	801234	Access																																					
Est #	997223	C.O.D.	0.00																																				
Container		Ch/Tar	0.00																																				
		Bill To	FAHOL																																				
		Blg Blat																																					
		Blg Value	0.00																																				
		Batch	0																																				
		Batch ID	0																																				
<table border="1"> <thead> <tr> <th>REVENUE</th> <th>Total Wght</th> <th>Pieces</th> <th>24.00</th> <th>Rev</th> <th>154.00</th> </tr> </thead> <tbody> <tr> <td>Line Type</td> <td>001</td> <td>Remark</td> <td>FREIGHT</td> <td></td> <td></td> </tr> <tr> <td>Weight</td> <td>1,200.00</td> <td>Pay Code</td> <td>GA</td> <td>Discount</td> <td>0.00</td> </tr> <tr> <td>Pieces</td> <td>24.00</td> <td>Freight Class</td> <td>FA2</td> <td>Accessorials</td> <td>0.00</td> </tr> <tr> <td>Units</td> <td>6.00</td> <td>Rate</td> <td>9.2500</td> <td>Tax</td> <td>0.00</td> </tr> <tr> <td></td> <td></td> <td>Carrier</td> <td>09</td> <td>Line Total</td> <td>154.00</td> </tr> </tbody> </table>				REVENUE	Total Wght	Pieces	24.00	Rev	154.00	Line Type	001	Remark	FREIGHT			Weight	1,200.00	Pay Code	GA	Discount	0.00	Pieces	24.00	Freight Class	FA2	Accessorials	0.00	Units	6.00	Rate	9.2500	Tax	0.00			Carrier	09	Line Total	154.00
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This is a Q2 development project

This will expand greatly the old quote feature

The current RA50 would be replaced with a program very similar to BL01 so that the same fields can be used including the ship from and ship to codes, weight, pieces, freight class. This would result in the quote number being created

The new RA50 will work like BL01 and the user can either use the standard rate tables RA19 / RA30 or enter in most cases use a miscellaneous charge code from FM19

When recalling the quote in BL01 the system would update the fields from the quote e.g. ship to and ship from codes, weight, pieces etc.

Document print function which would print the details of the rate quote in a graphical document suitable for emailing out as a pdf

Quote form legal text can be either for Air/Ocean or LTL – the form will print the appropriate legal text depending on the Freight type

Document print function for a quote summary that shows revenue and cost
New Highview for rate quotes that would show both the quote and the
corresponding probill that resulted – this would allow for analysis and comparison
between quotes and what actually occurred using statuses like: open, closed or
cancelled.

BILLING - CALCULATING THE FREIGHT RATE

ORIGIN

DESTINATION

< Enter Probill Data >

Pro #	681353		
Client	*00001	RICH PRODUCTS C 127 MCKINN ST SIMMONS IS 31522	
Ship From	*RLEMAL	WAREHOUSE 03 WAREHOUSE FARMINGDALE,	
Ship To	*4SEAUS	4 SEASONS DIST 980 SIX FLAUSTELL, GA 30168	
Prepaid	*P	Branch *11	Shipper RLEMAL
Date	*08.30.2012		Consignee 4SEAUS
Currency	USD		Access.
P.O. #	891234		C.O.D.
Bol #	997123		ClS/Tar
Cust #			Bill-To
Container			Blng Stat
			Ship.Value
			Adj. for
			Pallets
			GST Exempt
			Service Level
			Freight Type
			Pallet Ord.: O:
			Exchg.: D:

REVENUE Total:Wgt= 1200.00 Pcs= 24.00 Rev= 154.00

Line	*001	Remark	FREIGHT
Type	L	Pay Code	GA
Weight	1,200.00	Freight Class	FAK
Pieces	24.00	Rate	9.2900
Units	0.00	Carrier	
		Carrier Pro	
			Minimum

RATE

Auto-rating based on location or zip code/postal code

Origin / Destination pair

Find the table in RA30

Determine the rate in RA19

BILLING /PAYABLE- IMPORT RATE TABLES

Rate Table	Origin	Destination	Min	499	999	1999	2999	4999	9999	19999	29999	39999
	Calgary	100 Mile House, BC	71	29.1	22.5	14.65	11.15	11	10.5	10	9.75	9
	Calgary	Ardrossan, AB	87.35	29.2	18.4	7.7	5.6	11	10.5	10	9.75	9
	Calgary	Cobble Hill, BC	99.35	26.55	23.8	14.9	11.45	11	10.5	10	9.75	9
	Calgary	Courtenay, BC	102.2	31.65	24.4							

01*Client/Carrier/Tariff: FASFR FASTFRATE

02*Rate Table Template:

03*Format: ☐

04*Import File:

05.Update RA30 Pointer Tables[Y/N]: ☐

06*Divide rates by 100 [Y/N]: ☐

07.F1 to Proceed with Import: ☐



Tedious process of manually entering rate tables - you have to enter either origin/dest pair and each weight break

Click

now can be avoided by importing from a spreadsheet – RA60 – for both billable and payable

If you have several carriers and they send you their rates, with minor adjustments to the sheet you should be able to import them

COMPARE BILLABLE TO PAYABLE

Revenue and Cost Analysis for Pro # : 681353							
Description	F.C.	FAK	Type	Pay Code	Driv/Carr	Amount	Percentage
Revenue:							
FREIGHT	FAK		L	GA		154.00	72.0%
DETENTION CHARGE			U	D		60.00	28.0%
Revenue Total:						214.00	100.0%
Actual Cost:							
	FAK		L	970	4MOKIN	114.00	65.5%
MISC. DEDUCTION			U	M	4MOKIN	60.00	34.5%
Actual Cost Total:						174.00	100.0%
Profit Margin:							
Revenue - Cost						40.00	18.7%

EDI

- 204 – Load tender request (shipping order)
- 214 - Shipping Status
- 210 – Freight Invoice



If using TMS standalone there are EDI transactions specific to this

CONCLUSION

- Benefits to VL Transportation System
 - Can help you manage transportation operations, tightly integrated with the VL WMS and FMS
- Is It For Me?
 - If you have trucks, act as freight broker, need dispatch visibility,
 - bill for freight
- Key Features
 - Dispatch, Rating/Billing, Payable Management, Manifests, Track & Trace, EDI, WMS & FMS integration
- For More Information ...
 - www.e-zlearn.net > Transportation Management
 - www.e-zlearn.net > TMS Workflows





THANK YOU



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HTTP://WWW.MAVES.COM/