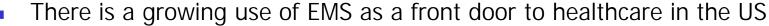


EMS Supply Chain Management System

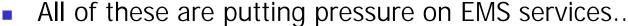




Why should this be important to you?



- EMS is taking the place of the local doctor
- There is a growing number of uninsured patients
- Terrorism, natural disasters, and disease outbreaks are in the media everyday



- How can you capitalize on this opportunity?
 - MDS EMS system gives you the tools

"EMS and Emergency departments will continue to serve as the primary entrance to the health care system for the uninsured"

Dr Bill Atkins – AHA Task Force on Healthcare Finance Reform





EMS – How it Works

Designed for Medical Distribution this product has applications for all wholesale distributors

- Truck is a warehouse with inventory used on ambulances
- Truck visits multiple Depots (Shipto's or Customers)
 - Checks and replenishes all inventory shortages
 - Removes and replaces dated material
 - Exchanges new packs for used packs
 - Packs are created from a BOM for standard EMS uses
 - Ambulances are replenished by the Depot
- Truck returns to main warehouse and is replenished



- Route Accounting / Warehouse on Wheels
- Mobile supply system
- Developed for an Emergency Management System
- Possible other uses Local Delivery Forces
 Driver Selling off Truck



EMS – Management System

- Manages all aspects of the inventory requirements of an EMS organization
 - Build of Initial Packs
 - Replenishment of Packs used in the field
 - Components stocked at the depot or on the ambulance
- Tracks usage at each location
- Tracks lots, serial numbers and expiration dates on each pack and component to prevent expired material from an accident site
- Provides current and historical inquiry into each pack, lot and serial.



EMS – Functions Provided

- Initial (New) Pack Creation
- Replenishment of Packs used in service or reaching expiration date
- Manages Central and EMS warehouses, with multi-location control
- Manages the EMS delivery truck(s)
- Replenishes the Remote Depot locations
- Records usage at each location
- Generate Billing for supplies used





Interface to Other MDS Modules

- Inventory Management
- Purchasing Order Management and Receiving
- Warehouse Management
- Customer Billing
- Customer Service
- Pedigree Management
- Financial Modules
 - Accounts Receivable
 - Accounts Payable
 - General Ledger







Initial Pack Creation



- Created by Order Entry to Production Posting
 - Utilizes Bill of Materials for the pack
 - Creates the initial pack
 - Assigns a unique bar code for the pack
 - Captures all serial numbers and expiration dates for components and creates a pack content label
- Created by Initial Pack Creation
 - Creates the initial pack
 - Assigns a unique bar code for the pack
 - Captures all items already in the pack





Pack Label – Header/Contents

Pack ID: ALS60000015





ALS6

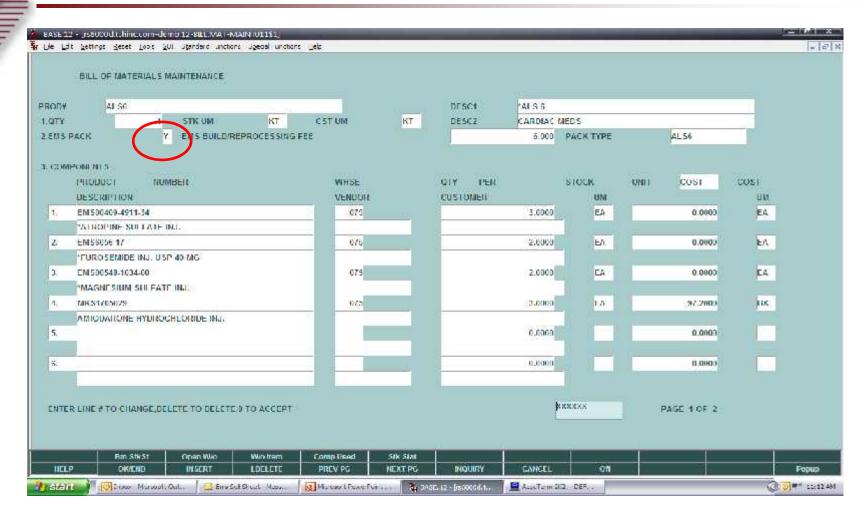
*ALS 6

Pack Id:ALS60000015

Product FUROSEMIDE INJ. USP 40 M	Qty 2	Lot# 65 – 130 – EV – 01	05/01/10
*ATROPINE SULFATE INJ.	3	74-418-DK-01	02/01/11
*MAGNESIUM SULFATE INJ.	2	58-EIE	06/06/15
AMIODARONE HYDROCHLORID	E 3	A8888	10/19/15

Created By:SY Date: 10/19/09







EMS – Pack Bill of Materials Inquiry

			Bill of	Material Sta	ock Status	Inquiry			
noduz	t Number	ALSG			-ALS C				
y .	1 FMS Pack		MS Build/Rep	7000 ACCOUNTS AND ADDRESS OF THE PARTY OF TH	0.0	6.000	FMS Profix	At Sa	
200	Warehouse #	075 E	EMS PHARMACY	Expected			nt Prod#	230916	
	oet Laboi			Committed		5	On Hand		15
ther	Labor			Mig Overhead		100	Lvallable:		40
	1.Component#			Description					
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		Catyrian		Solutions .	Expectes	5.000	inter	Avanuale	
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			3.0000	40	3	1000	U		31
	EM 56055-17			FUROSEMIDE INJ.	USP 40 MG				1000
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	FMS00548-1024-00			*MAGNESRIM SHIP	ATT INJ.				
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Lee County EMS





Replenishment of the Remote Depots

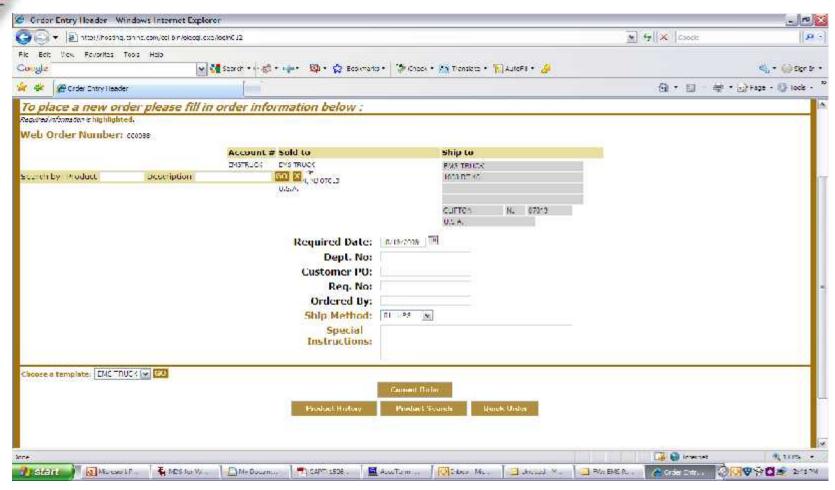
- Ambulance drivers replenish packs and loose items from Depot
 Used packs left at depot
- Replenishment truck arrives at depot
- Each truck is a warehouse may be multiple trucks
- Each depot is a customer ship to
- Truck goes to each depot and determines needs:
 - Packs (already billed)
 - Components (Billed when supplied)
 - Used packs returned for replenishment
- Driver records usage using a web based program connected via wireless network
 - (Flag in web user "usage and transfer" or web order)
- Truck proceeds to the next depot and then returns to EMS warehouse







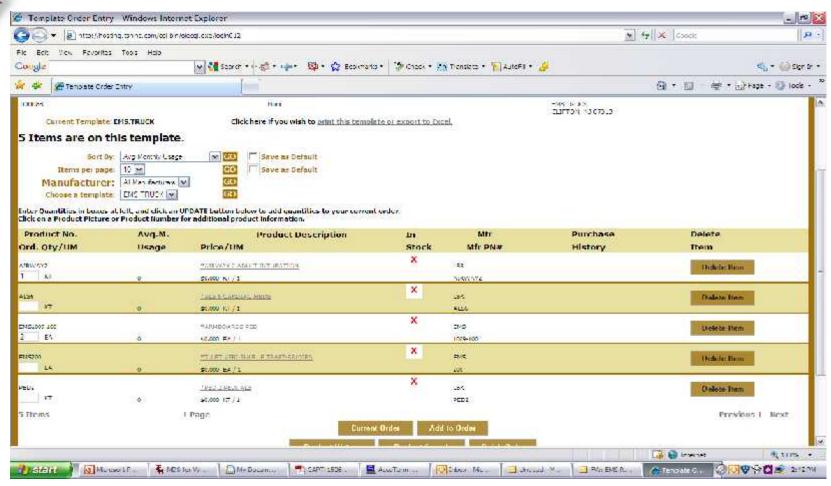
Entry of Depot Usage (Web)



FLAG IN REMOTENET USER DETERMINES USAGE ONLY OR CREATE ORDER

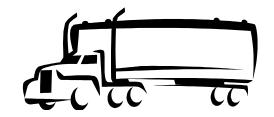


RemoteNet EMS Template





Truck Replenishment



- At EMS warehouse program is run to pick up "orders" placed on the truck
- Truck replenished from EMS warehouse based on min/max
- This process generates necessary orders (for picking) and replenishment of inventory
- Picking by order or pick summary
- Orders verified when placed on truck

Usage updated in master files at this point

Billing of spare parts initiated by this process (Packs having already been billed)

EMS warehouse replenished from central warehouse (min/max)



EMS Warehouse Replenishment

01:14:13pm 19 Oct 2009 Fharmany Replanishments Shortages Page: 1 Order: 141747 From Warehouse: 002 To Warehouse: 075

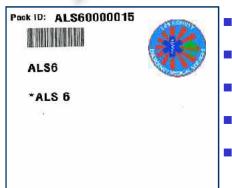
Product	Description	Quantity Short	From CH F	rom Avail To	Onlind To	Avail
EMS504560	*ST ET TO FLX/STYLE OF 6.	20		0	0	
EMS 504565	"ST ET TO FLX/STYLT OF 6.	20	0	0	0	0
EMS504570	"ST ET TO FLX/STELT OF 7.	20	0	0	0	
EMS 504575	"ST ET TO FLX/STYLT OF 7.	20	0	0	0	0
EMS8888160333	*CATH.UMBILICAL.3.5FR	20	0	0	0	0
XMS504580	*ST ET TU FLX/STYLT OF 8.	20	0	Ó	0	0
EMD8888264945	*TUDE SUMP SALEM 14FR	20	0	0	0	٥
XMS8888268086	"TO SALEM SUMP SER 2.7mm LF	40	0	Ó	0	0
XXX0503110	*STYLET 10FR INTO ADLT LF	5	10	10	0	٥
EMS26302	*SYR. CATH. IRRG. 60CC	200	0	Ó	0	0
XXII 504590	*ST ET TU FLX/STYLT CF 9.	15	5	5	0	٥
XMS5-5332-03	*BLOE LARYN MACS DISP GROW	20	0	Ó	0	0
EMB5-5333-03	*BLDE LARTH MILS DISP GROW	20	0	0	0	0
XXX 600-10000	*TO ENDOTRACH BOLD ADLT L	40	0	0	0	0
EMB70275	*SYR BULB 20E	20	0	0	0	0

This is an optional feature that allows you to segregate your inventory



Pack Replenishment





- Used packs are returned from depot for replenishment
- Bar code on container is scanned
- Displays all items in that specific pack
- Highlights expired and short dated items
- Click on all items that can be reused
- Click replenish system lists items needed (from Bill of Materials less items that can be reused)
- Required inventory picked and placed in pack
- Lot, serial, and expiration dates noted
- Upon acceptance
 - Print contents labels
 - Update inventory
 - Bill Customer for components used (base cost plus value of components used)



Pack Replenishment – Initial Screen

			PACH	Replenishments	Maintenance						
P	eck Number	AL 5600000	15	-					Components		
P	raduct	ALS6		*ALS 6						A S	
nau	Component		Quantity	Let / S	erial Number		Expires	Ru	Ru: Cirty	Picked	
1	EM S00409 4911 34	U.		3 /4 418 DK	01		92/01/11	Y):		3	
	'ATROPINE SILLE	ATT IN.L.	101								
2	FM56056-17		8	2 65-130-FV-	11		05/01/10	Y:	13:-	1	- 1
3	"T URO SEMIDE INJ EM S00540 1004 00			2 10 357 FV	И		10/05/09	ГХР	H		
	'MAGNESIUM SUL	FATE INJ.								200	
4	MKS1705029			3 ER905			06/01/10	14			
	AMIQUARONE HYD	DROCHEORIDE II	NJ.								
5			10.0						M	T. I.	
5			100								
7											1
5				100					H		7
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Repent						To the second					
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Pack Replenishment Program

	Vindows Version 8. Setting Reset Trials	6.1 - proit taking. o			MENT ENTRY 01251	16					
			PACK Replenishe	went Fulfillment	Forey						
Pec	k Number	AI 560000015	S	-							
Pro	duct	ALSE		*ALS 6							
Juz	Component				PACK Qly	City	Regd	Location		Picked	
1	EM 56056-17					2	1	EA08-08-1			
	1 OROSEMIDE	INJ. USP 40 MG			100				1-		
2	EM 500548 1034	100				2	2	EA08 08 1			
	-MAGNESIUM:	SUI FATE IN.I.			Replenish from	m ITEM: MK	51704750				
3	MRS1705029					3	3	EA08-08-1			
	AMIODARONE	HYDROCHI ORIDE II	i.i.		101			Transconductions.			
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Replenish from the screen or Print a Packlist



Pack Replenishment Lot Screen

Prov					a green and a second						
	Pack N	umber	A) 56000		ishment Let Fr	'ALS G				-	
	Produc		EMS5056-17			1101	T UROSEMIDE IN	lat USP 40 MG			
	1 880	Lot# /	engrh	Serial	#		10	pcarlon	Quantity		Expines
	1	A100		111				FARE OR 1		1	10/19/20
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	E	to Line	I to Change, 0 to Ace	ept:			k000	XX			



Pack Contents Label

```
Pack Id:ALS60000015
                                           Exp Dt
05/01/10
Product
                     Qty Lot#
FUROSEMIDE INJ. USP 40 M 2 65-130-EV-01
                                            02/01/11
*ATROPINE SULFATE INJ.
                       3 74-418-DK-01
                                            06/06/15
*MAGNESIUM SULFATE INJ. 2
                          58-EIE
                                            10/19/15
AMIODARONE HYDROCHLORIDE 3
                          A8888
Created By:SY
Date: 10/19/09
```

Sorted by earliest expiration date

Lee County EMS



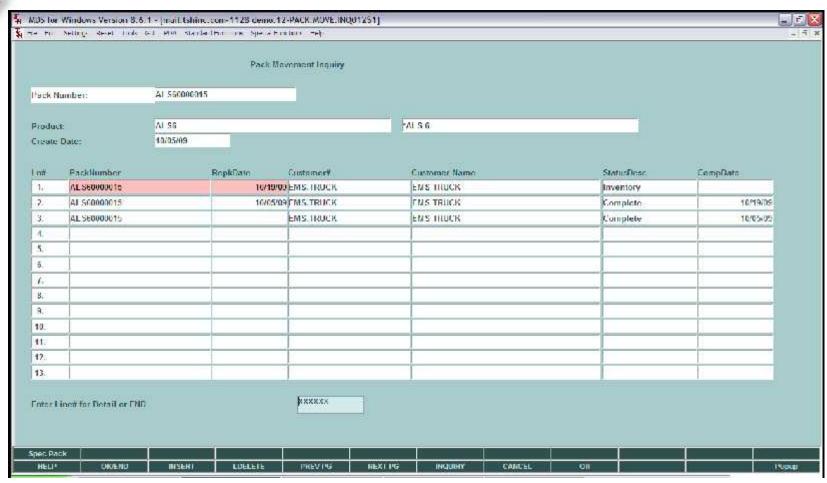


Inquiries

- Pack Contents current and historical
- Lot history from receipt to issuance

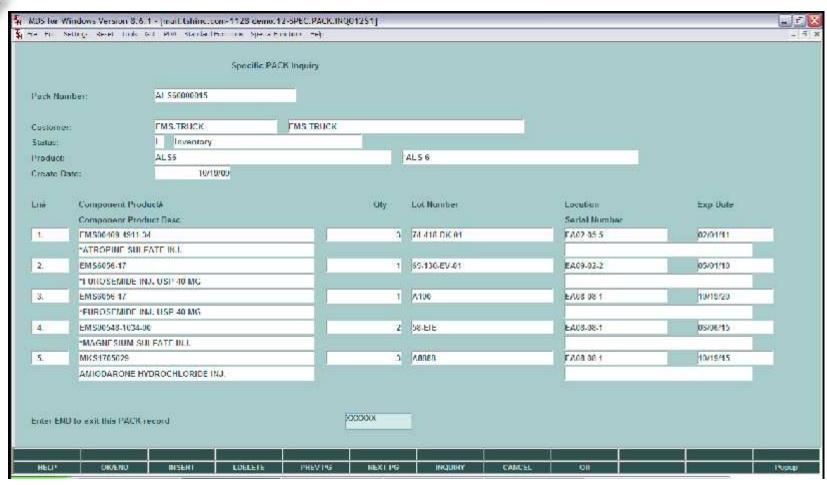


Pack Movement Inquiry





Specific Pack Inquiry





Lot/Serial# Transaction History

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EMS – Management System





- Manages all aspects of the inventory requirements of an EMS organization
 - Build of Initial Packs
 - Replenishment of Packs used in the field
 - Components stocked at the depot or on the ambulance

Tracks usage at each location

- Tracks lots, serial numbers and expiration dates on each pack and component to prevent expired material from an accident site
- Provides current and historical inquiry into each pack, lot and serial.