

# Edibar-Release Management System

329040604000  
NO48  
999  
NF-E12  
1234-5  
EGW-OR  
78998



329040604000  
NO48  
999  
NF-E12  
1234-5  
EGW-OR  
78998  
N1  
ITEM  
AT0345  
123456  
68  
1000  
A12345678901

GENERAL METALS CORP  
160  
AG-987  
G1155  
12345678  
A2B4C6D8E 9999  
BAR CODE SOLUTIONS, INC.  
(800) 633-3210  
TOPICS/2001  
CTN50  
TOPICS PCS



*e-Business & Barcode  
Integration Specialists*



# ***About Edibar Systems, Inc.***

Edibar Systems, Inc. (formerly Bar Code Solutions, Inc.), was established in 1982, our primary expertise is providing error free automotive ASN shipping solutions and Supply Chain Management solutions for the automotive industry.

We have developed strategic business alliances and interfaces with many leading EDI companies.





# Our Customers

Our customer base includes over 600 manufacturing automotive suppliers. Edibar Systems has also assisted many original equipment manufacturers (OEM) and first tier suppliers in establishing barcode, EDI, and shipping standards for their internal needs. Some of our satisfied customers include:



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Curtis Maruyasu America



# ***Industry Affiliations***

Edibar Systems has been a sponsoring member of the Automotive Industry Action Group (AIAG) since 1984. Our participation keeps our customers on the cutting edge of new business practices developing for our industry.

All of Edibar Systems' software products are guaranteed to meet AIAG shipping label standards.

Wayne Metcalfe, President of Edibar Systems, serves on the AIAG's Automatic Identification & Data Collection (AIDC), Returnable Container Identification (RFRC), and the Radio Frequency Identification (RFID) Work Groups.





# ***Business Partners and Solutions***

- General Motors – Approved EDI Software Provider
- Glovia International – MRP/ASN Solution
- Harley Davidson – Web/barcode printing
- Honda of America – Approved ASN/EDI Software provider
- NUMMI – EDI/barcode printing
- Sterling Commerce – EDI/ASN Solution
- Seeburger – EDI/ASN Solution
- Breva/Inovis – EDI/ASN Solution (Mexico Only)
- Edict – EDI/ASN Solution





# ***Edibar Integration Suites***

## Barcode Printing Solutions:

- “Edibar - Web Print” – web based label printing solution
- “Edibar - Code-A-Label®” – Windows based label printing solution

## EDI Solutions:

- Integrated Solutions Web and PC
- Stand alone – Rip and Read
- “Auto Print” – EDI/Label Printing Solution
- Micro HUB Solution





# ***Edibar Integration Suites***

## Automotive ASN Shipping Solutions:

- Single User
- LAN
- WAN

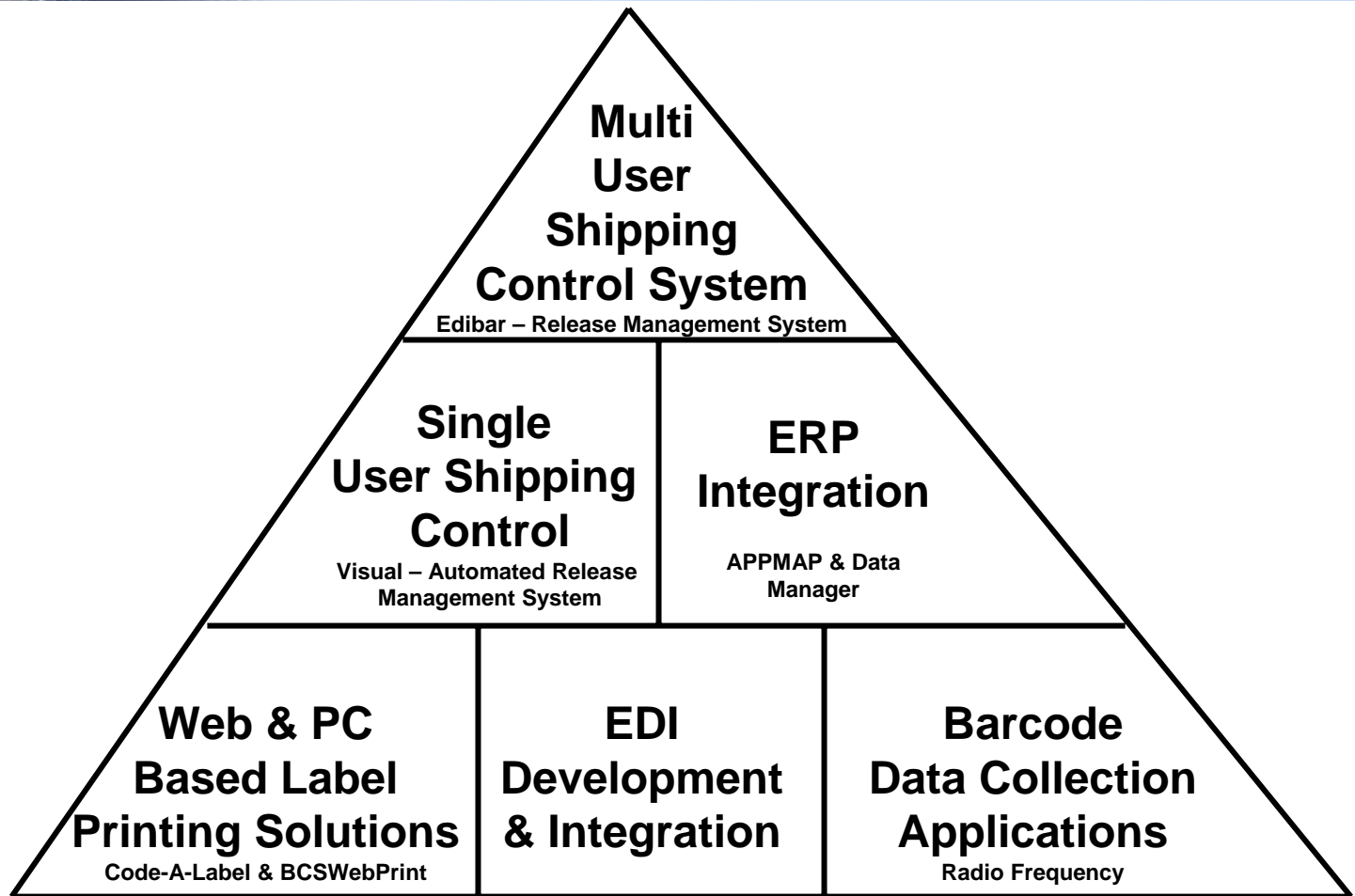
## Business Integration:

- MRP - Forecasting
- Accounting
  - Accounts Receivable
  - Remittance Advice
- Order Entry





# ***Edibar Integration Suites***



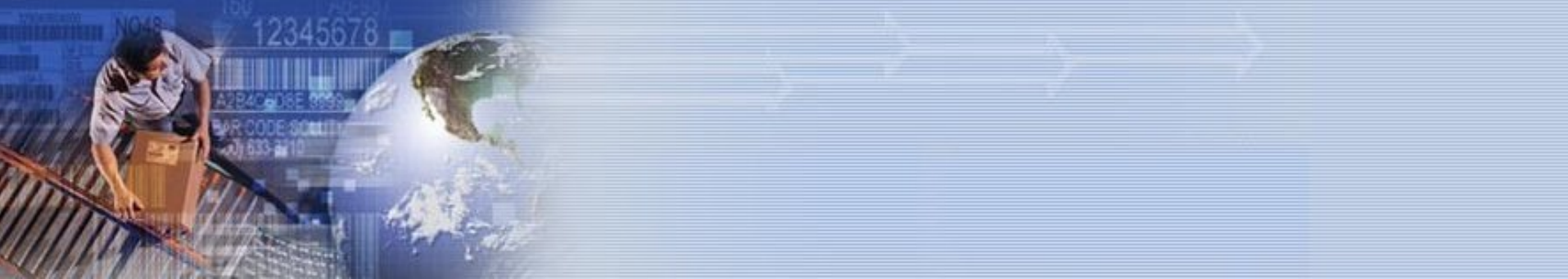


# ***Professional Services***

## **Services Available in the U.S., Canada, & Mexico**

- *Installation and Training*
- *Software Maintenance*
- *800 Phone Support Service*
- *ERP Integration*
- *Custom Map Development*





# ***Edibar-Release Management System***

# ***Features***



# ***E-RMS Shipping Features***

- Microsoft SQL Server database
- NET Change Replacement Reporting to notify suppliers of changes to their Inbound Shipping requirements with true replacement logic
- Real time Radio Frequency scanning
- Line-side printing capabilities
- Automatic Printing of Packing Slip, Bill of Lading, Pool Bills, and Export Papers (including Canadian Customs Invoices & U.S. Customs Invoice)





# ***E-RMS Shipping Features***

- Automatic creation of Shipping Requirements from ANSI or EDIFACT documents
- Error Trapping - Validation of Part Numbers, Supplier ID, Engineering Levels, and Shipping Destinations
- Small Lot and Order Sequence Loading
- Returnable Container Reporting
- Pallet Scanning Operations for Master and Mixed Loads
- Barcode Scanning Process for 100 % Accuracy of Customer Orders





# ***E-RMS Shipping Features***

- Scanning operations for EDI and Non-EDI Requirements
- “Auto Print” Customer Specific Destination and Compliance Labels - AIAG B-10, B-16, Quick Receive, GM1724, Ford BAO 1122L, Toyota eKANBAN, Odette,...)
- Automatic Creation of Advance Ship Notice (ASN) from Scanned Barcode Shipments
- Automated Backorder and Split Shipment Process’
- Exception and E-mail Alert Capabilities








# E-RMS Shipping Features

Automatic Printing of Customer Labels  
From EDI data!

\* Including the GM1724 and Ford BAO1122L Label!!! \*

FROM: EDIBAR SYSTEMS, INC. 51520 REGENCY CENTER M/ACOMB, MI 48042		TO: GENERAL MOTORS CORP. ORION ASSEMBLY PLANT LAKE ORION, MI 48359			
800-633-3210 ASSEMBLED IN USA		PLANT/DOCK: 54321 WS			
QUANTITY: <b>160</b>	MATERIAL HANDLING CODE: <b>A6-987</b>	REFERENCE: <b>G1155</b>			
PART NUMBER <b>12345678</b>					
LICENSE PLATE (LJ)  UN A2B4C6D8E 20000006				SHIPMENT DATE: <b>01MAR2006</b> CONTAINER TYPE: <b>CTN90</b> GROSS WEIGHT: <b>10 PCS</b>	
EDIBAR SYSTEMS, INC. (800) 633-3210				E7G 3K0 LINE C4 EMP M26	



SUPP (V) SALINE PLASTICS PLANT		<b>ESI</b>			
QTY (Q) <b>56</b>	CONTAINER: <b>SK32 A938</b>				
		GROSS WGT <b>440</b> LB	LOT <b>39203</b>		
EA		DATE <b>01MAR2006</b>	SHIFT <b>2</b>	W/C <b>27210</b>	
<b>3S4X-A045A74-AAZUYI</b>					
PART (P) 					
STR LOC 1 <b>2D330189-A</b>			LINE FEED LOC 2 <b>J11-232-A</b>		
3S4X A045A745 AAZUYI 2527 CNSL FRT LO MED DK GRAPH				TO WAYNE STAMPING & ASSY DOCK CODE CUST <b>AP16A</b> <b>WD</b>	
SERIAL NO (S) 20000001				MADE IN USA ENG ALERT DPB1023AA	
					

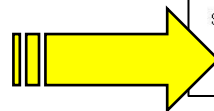




# Featuring "Smart Label"

The entire E-RMS Shipping Control System is based on our "Smart Label" printing and barcode scanning process. "Smart Label" is the ability to gather any items container information by scanning **ONLY** the label's Serial Number field.

SUPP (V) SALINE PLASTICS PLANT		<b>ESI</b>			
QTY (Q)	<b>56</b>	CONTAINER	SK32 A938		
		GROSS WGT	440	LOT	39203
	EA	DATE	01MAR2006	SHIFT	2
				W/C	27210
<b>3S4X-A045A74-AAZUYI</b>					
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3S4X A045A745 AAZUYI			TO	DOCK CODE	
2527 CNSL FRT LO MED DK GRAPH			WAYNE STAMPING & ASSY		
SERIAL NO (S) 20000001			CUST	<b>WD</b>	
			MADE IN USA	ENG ALERT	DPB1023AA





# Pre-configured OEM Kits

***Our systems provide pre-configured and approved shipping compliance requirements for such OEMs as:***





***Edibar-Release  
Management System***

***Business Flow***



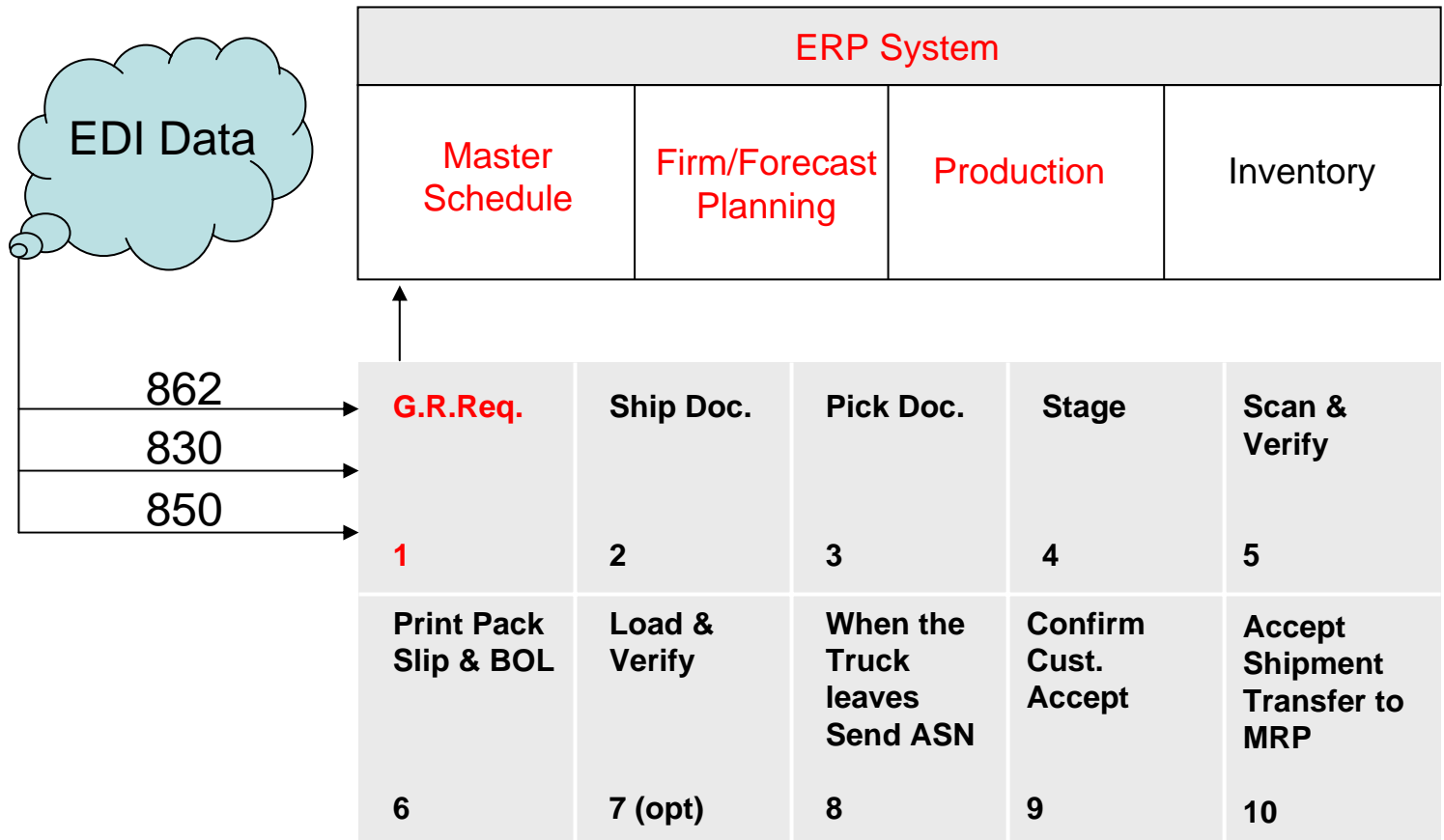
# ***Setting the Expectations***

- The following general presentation references ANSI EDI documents, however, the system can also accommodate EDIFACT, VDA, and ODETTE EDI protocols
- Although there are many different business processes for shipping product to automotive manufacturers this presentation is designed to go over the generic shipping disciplines of the Edibar-Release Management System
- This presentation is setup to show the prospective client the step by step functionality of the product. During actual use the client would utilize the product in an automated operation that is exception driven





- EDI 850, 830, & 862 data is brought into E-RMS from the EDI translator. Gross Requirement data can also be passed to an ERP Master Scheduling Module





- Automatic or Manual Creation of JIT Orders for daily shipments from Gross Requirements



ERP System			
Master Schedule	Firm/Forecast Planning	Production	Inventory

G.R.Req.	<b>Ship Doc.</b>	Pick Doc.	Stage	Scan & Verify
1	<b>2</b>	3	4	5
Print Pack Slip & BOL	Load & Verify	When the Truck leaves Send ASN	Confirm Cust. Accept	Accept Shipment Transfer to MRP
6	7 (opt)	8	9	10





- The Picking document is generated from Edibar-RMS.

**Bar Code Solutions, Inc.**  
**Shipper Report - Full Report**

All Barcode Work Order # (Shipper ID) is between 137 and 625

Shipper #: 639  
Reference #:

Ship Date/Time: 2/22/05 1200      Trading Partner Code: 83305    83305NA  
Delivery Date/Time: 2/24/05 1200      Set: 802  
From Office/Time:                              ERI Variation: 004/10  
Schedule:    Program:

Ship To: HILLBOM'S TOOL & MFG, INC  
1847 CARR-SARTMAN COURT                      888 To 1: Trade Goods Manufacturing

TRAVIS CITY, MO 64794-011  
Id: 1031351    Id: BCM

Ship From: CRESID (FCN00000512)  
810 F 803    888 To 2:

MILWAUKEE, WI 53228  
Id: 0707905    Id:

Customer Order Part Number	PO Number	Orig Qty (Lot/Qty) Lot	Barcode Order Number	Units of Measure	Orig Qty	Orig Total
51434552 A011	11 - -		794510	4	300	3,300
51434553 A011			794510	Job Sequence: 0		
Enduser Ship/Kit/Order (Chk. Order 1940)    794510						
5143855A A010	10 - -		794510	3	1,200	3,300
5143855A A010			794510	Job Sequence: 0		
Enduser Ship/Kit/Order (Chk. Order 1940)    794510						

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ERP System			
Master Schedule	Firm/Forecast Planning	Production	Inventory

G.R Req.	Ship Doc.	Pick Doc.	Stage	Scan & Verify
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- Re-label, Pallet building, returnable container scanning, and special packaging operations are performed in the staging area



ERP System			
Master Schedule	Firm/Forecast Planning	Production	Inventory

• Product labeling is available via Line side or Batch printing

G.R.Reg.	Ship Doc.	Pick Doc.	Stage	Scan & Verify
1	2	3	4	5
Print Pack Slip & BOL	Load & Verify	When the Truck leaves Send ASN	Confirm Cust. Accept	Accept Shipment Transfer to MRP
6	7 (opt)	8	9	10





- Real time scanning function is performed to reconcile order, pick, stage, and sequence operations



ERP System			
Master Schedule	Firm/Forecast Planning	Production	Inventory

G.R.Reg.	Ship Doc.	Pick Doc.	Stage	Scan & Verify
1	2	3	4	5
Print Pack Slip & BOL	Load & Verify	When the Truck leaves Send ASN	Confirm Cust. Accept	Accept Shipment Transfer to MRP
6	7 (opt)	8	9	10





- Once the truck arrives finalization of the ASN information is entered for the shipment. Print Packing Slip, BOL, Export Documents, Pool Bill's, etc...

**ERP System**

<b>ERP System</b>			
Master Schedule	Firm/Forecast Planning	Production	Inventory



G.R Req.	Ship Doc.	Pick Doc.	Stage	Scan & Verify
1	2	3	4	5
<b>Print Pack Slip &amp; BOL</b>	Load & Verify	When the Truck leaves Send ASN	Confirm Cust. Accept	Accept Shipment Transfer to MRP
<b>6</b>	7 (opt)	8	9	10





- Load and Verify operations may be performed for Quick Receive or multi-shift operations



ERP System			
Master Schedule	Firm/Forecast Planning	Production	Inventory

G.R.Req.	Ship Doc.	Pick Doc.	Stage	Scan & Verify
1	2	3	4	5
Print Pack Slip & BOL	<b>Load &amp; Verify</b>	When the Truck leaves Send ASN	Confirm Cust. Accept	Accept Shipment Transfer to MRP
6	<b>7 (opt)</b>	8	9	10





- When the truck leaves the Advance Ship Notice is sent to the customer through an automated or manual process

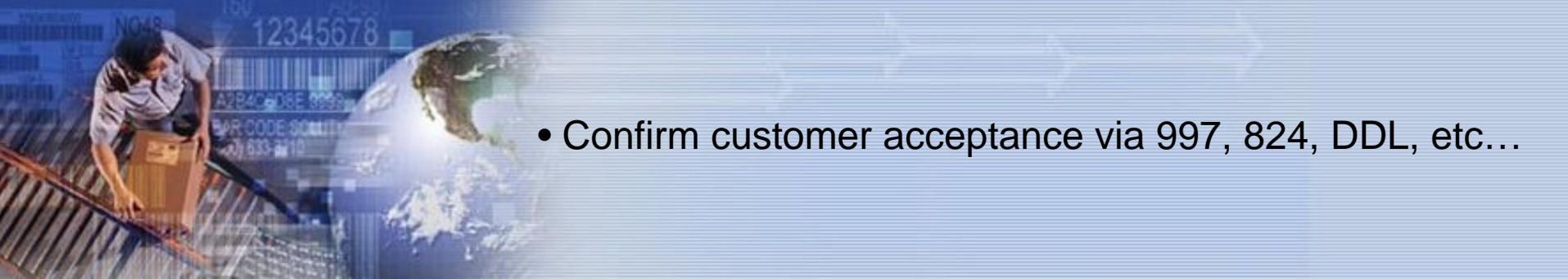


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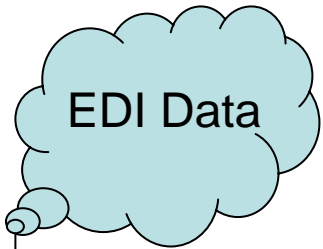
ERP System			
Master Schedule	Firm/Forecast Planning	Production	Inventory

G.R Req.	Ship Doc.	Pick Doc.	Stage	Scan & Verify
1	2	3	4	5
Print Pack Slip & BOL	Load & Verify	<b>When the Truck leaves Send ASN</b>	Confirm Cust. Accept	Accept Shipment Transfer to MRP
6	7 (opt)	<b>8</b>	9	10





- Confirm customer acceptance via 997, 824, DDL, etc...



ERP System			
Master Schedule	Firm/Forecast Planning	Production	Inventory

G.R.Req.	Ship Doc.	Pick Doc.	Stage	Scan & Verify
1	2	3	4	5
Print Pack Slip & BOL	Load & Verify	When the Truck leaves Send ASN	<b>Confirm Cust. Accept</b>	Accept Shipment Transfer to MRP
6	7 (opt)	8	<b>9</b>	10

997  
824





- Accept Shipment and transfer shipment detail to ERP System for posting and accounting operations

ERP System			
Master Schedule	Firm/Forecast Planning	Production	Inventory

G.R.Req.	Ship Doc.	Pick Doc.	Stage	Scan & Verify
1	2	3	4	5
Print Pack Slip & BOL	Load & Verify	When the Truck leaves Send ASN	Confirm Cust. Accept	Accept Shipment Transfer to MRP
6	7 (opt)	8	9	10





# Shipment Complete!

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