

# Visual-Automated Release Management System

329040604000  
999  
1234-5  
78998

NF-E12  
EGW-08

N048

12345678

329040604000  
999  
1234-5  
78998

NF-E12  
EGW-08  
TIRE SA II

N1  
AT345  
123456  
68

412345678901

GENERAL METALS CORP  
CAME CROSS ST  
CAME CROSS ST  
54321 ZES

160  
A6-987  
12345678

A2B4C6D8E 9999

BAR CODE SOLUTIONS, INC.  
(800) 633-3210

10/10/2001  
C7H50  
10/10/2001



*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 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:





# ***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) committee.





# ***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
- Brevva/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

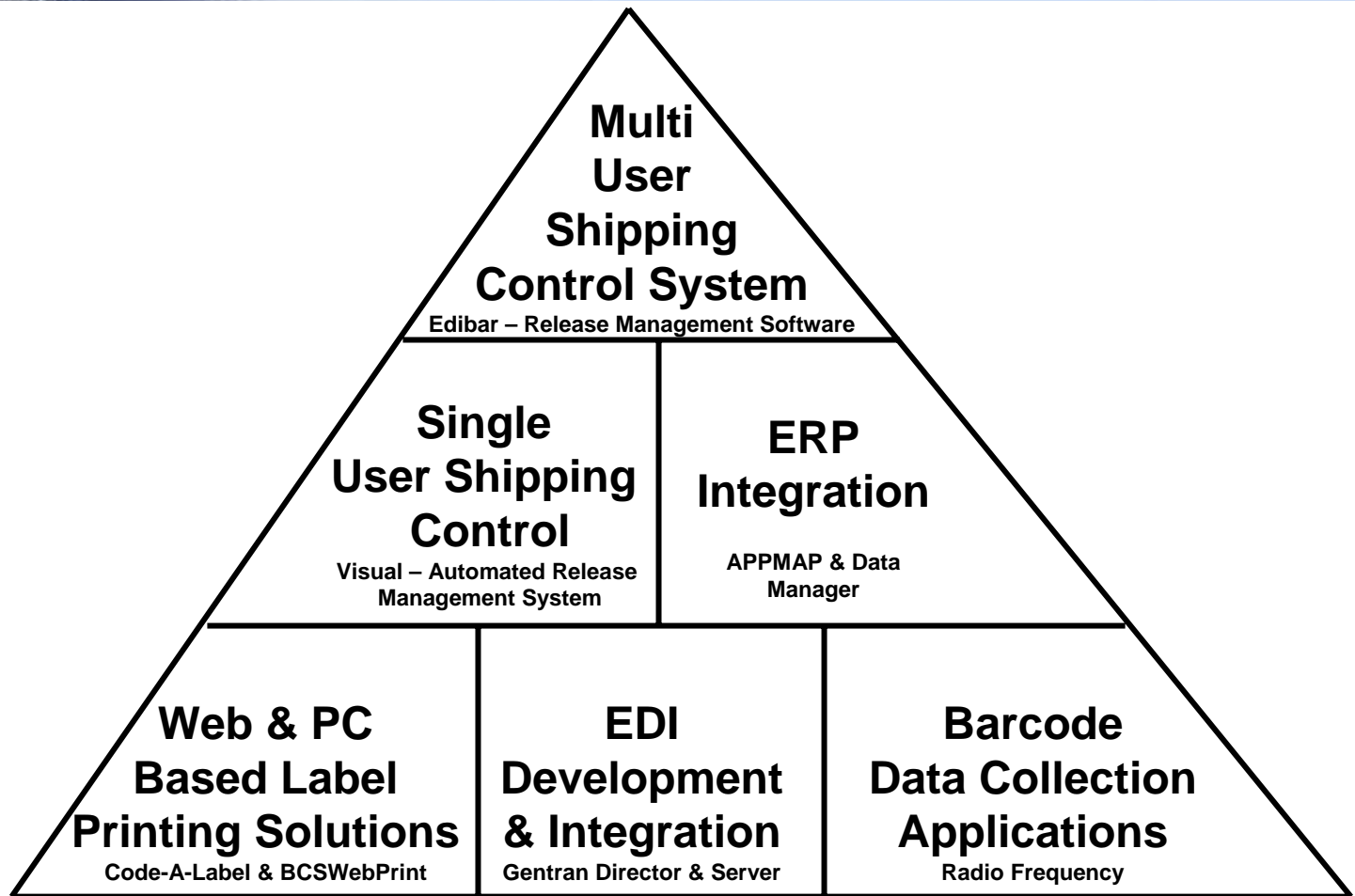
## Business Integration:

- MRP - Forecasting
- Accounting
  - Accounts Receivable
  - Remittance Processing (820)
- Order Entry





# Edibar Integration Suites



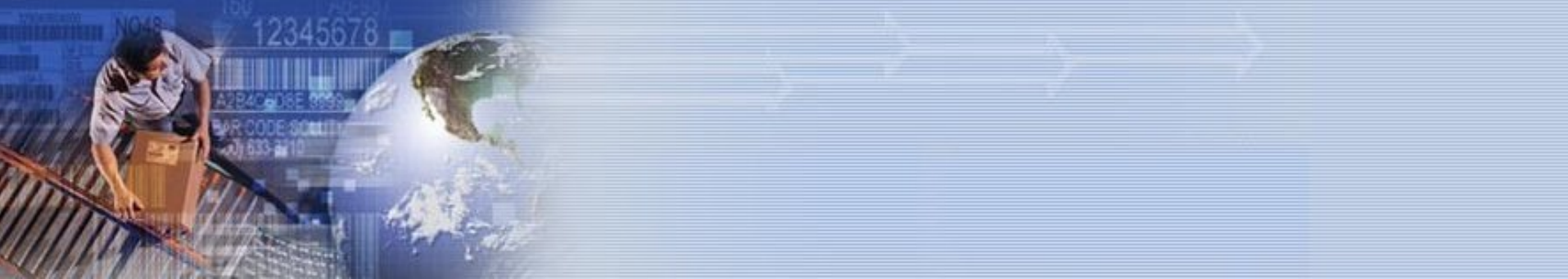


# ***Professional Services***

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

- *Installation and Training*
- *Custom MRP Integration Services*
- *Custom Template Development*
- *Software Maintenance*
- *800 Phone Support Service*





# ***Visual-Automated Release Management System***

## ***Features***



# ***Visual-ARMS 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
- CUM Management
- 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





# ***Visual-ARMS 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
- Automatic Printing of Packing Slip, Bill of Lading, Pool Bills, and Export Papers (including Canadian Customs Invoices & U.S. Customs Invoice)

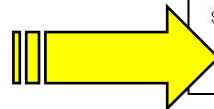




# Featuring “Smart Label”

The entire Visual-ARMS Shipping Control System is based on our “Smart Label” printing and barcode scanning process. “Smart Label” is the ability to gather an 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	LB	2
		SHIFT	2	W/C	27210
<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			TO	DOCK CODE	
2527 CNSL FRT LO MED DK GRAPH			WAYNE STAMPING & ASSY		
SERIAL NO (S) 20000001			CUST	<b>AP16A</b>	<b>WD</b>
			MADE IN USA	ENG ALERT	DPB1023AA





# Visual-ARMS 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) 			SHIPMENT DATE: <b>01MAR2006</b>		
UN A2B4C6D8E 20000006			CONTAINER TYPE: <b>CTN90</b>		
EDIBAR SYSTEMS, INC. (800) 633-3210			GROSS WEIGHT: <b>10 PCS</b>		
			ETG 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>	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			TO WAYNE STAMPING & ASSY DOCK CODE		
2527 CNSL FRT LO MED DK GRAPH			CUST		
SERIAL NO (S) 20000001			AP16A <b>WD</b>		
			MADE IN USA ENG ALERT DPB1023AA		

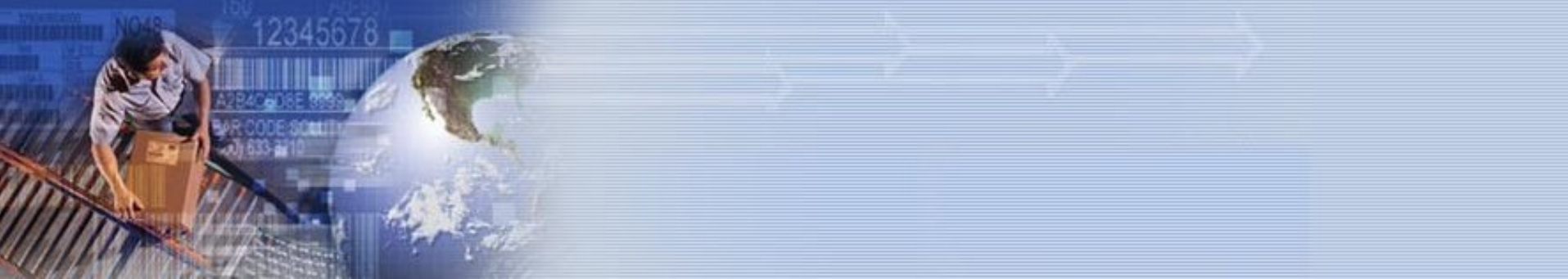




# ***Pre-configured OEM Kits***

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



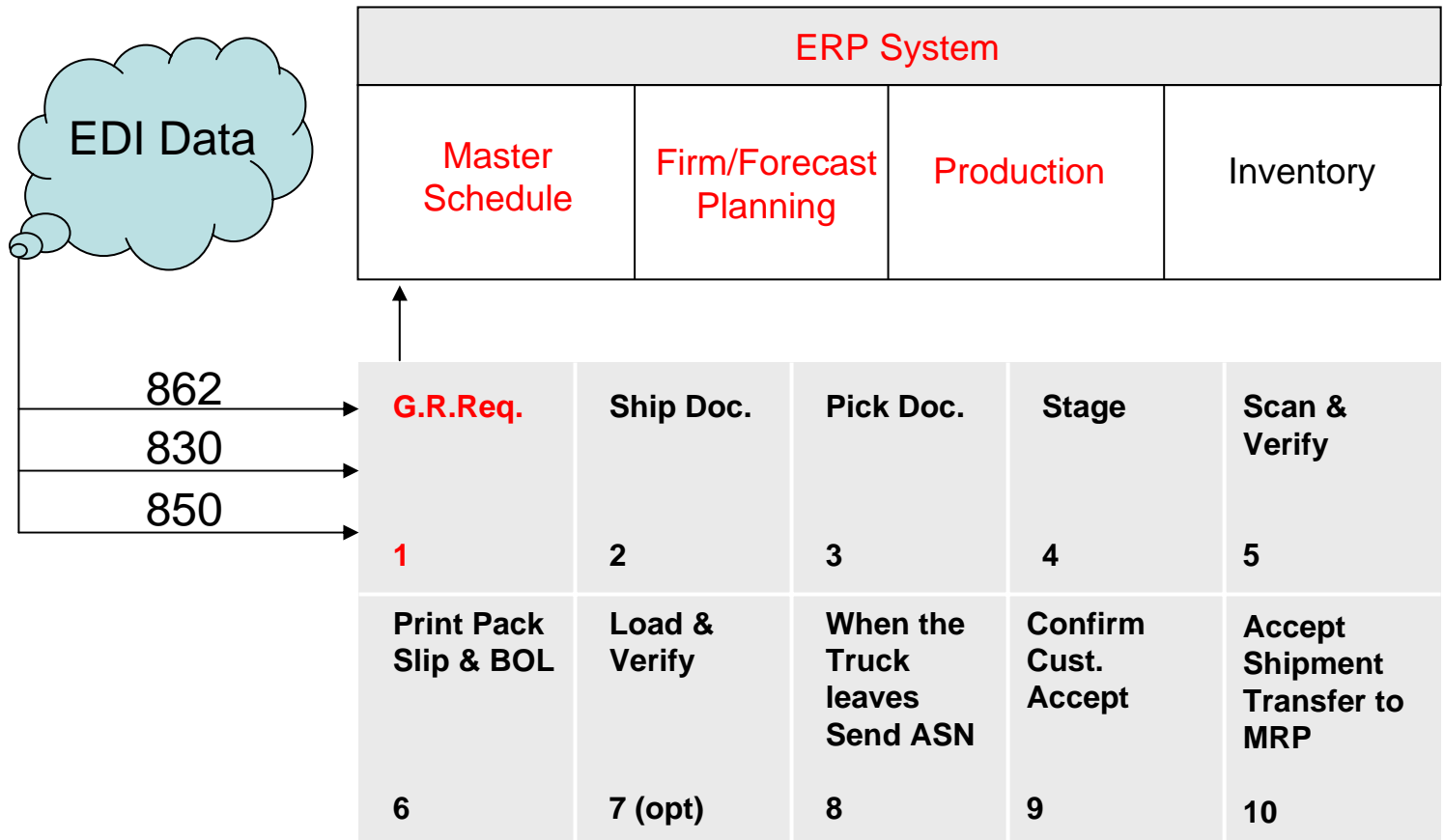


# ***Visual-Automated Release Management System***

# ***Business Flow***



- EDI 850, 830, & 862 data is brought into Visual-ARMS from GENTRAN:Server. Gross Requirement data can be passed to an ERP Master Scheduling Module





- Create/Edit 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 Visual-ARMS.

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

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

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Shipper #: 639  
Reference #:

Ship Date/Time: 2/22/05 1200      Tracking Partner Code: 83305    83305NA  
 Delivery Date/Time: 2/24/05 1200      Sct. No: 802  
 From Office Name:                              ERIE Yard: 00410  
 Subject:    Program:

Ship To: HILLDALE TOOL & MFG, INC  
 1847 CARR-SARTMAN COURT                      888 To 1: Trade Goods Manufacture

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

Ship From: CRESID (CRESID00512)  
 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
51434531 A011	11 - -		794510	4	000	3,840
51434531 A011			794510			Job Sequence: 0
Enduser ShipOrderNo (Chk. Order No): 794510						
5143855A A010	10 - -		794510	3	1,200	3,840
5143855A A010			794510			Job Sequence: 0
Enduser ShipOrderNo (Chk. Order No): 794510						

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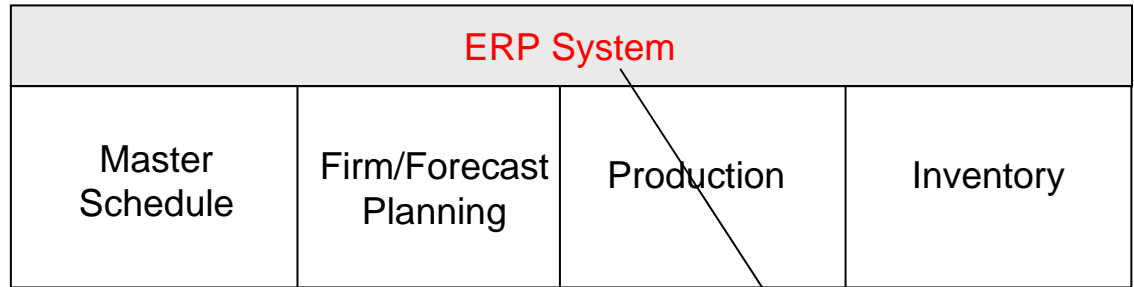
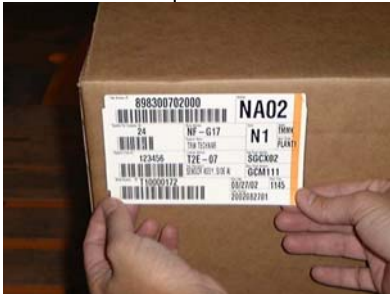
ERP System			
Master Schedule	Firm/Forecast Planning	Production	Inventory

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





- Re-label, Pallet building, returnable container scanning, and special operations are performed in the staging area



• 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...



ERP System			
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

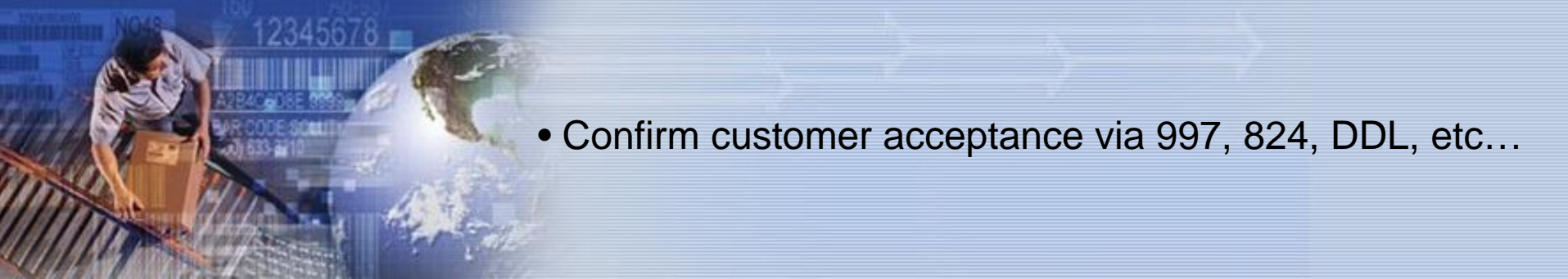


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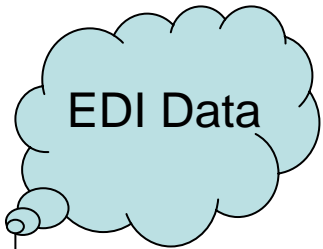
ERP System			
Master Schedule	Firm/Forecast Planning	Production	Inventory

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



