



# E-SHIP

## E-SHIP – Shipping Manifest System

Using E-Ship for Microsoft® Dynamics™ NAV you can reduce cost while increasing both efficiency and accuracy.

### Key Benefits:

- Capture package level detail using Pack Line Scanning.
- Increase shipping accuracy by scanning items and comparing them to the sales order or picking document.
- Capture serial numbers and lot numbers at packing time.
- Quote freight rates while taking an order.
- Automatically post freight charges to the sales order.
- Automatically create packing lists by package and order.
- Print certified carrier labels, custom labels, and UCC128 labels while handling the package.
- Upload Electronic Manifests.
- Automatically send a detailed E-Mail with tracking numbers and package contents to the customer at time of shipment.
- Track packages and shipments from within the business system.
- Reconcile freight invoices.
- Integrate with EDI and Bill of Lading to generate Advanced Shipment Notices (ASN).

## Built Inside Microsoft Dynamics NAV

One of the main benefits of E-Ship is that it is built inside the Dynamics NAV product. By having E-Ship embedded in NAV, the user experiences unprecedented functionality and access to data. In fact, E-Ship is available to plan and execute shipping from the time of sales order through shipping manifest.

## Shipping Accuracy

Pack Line Scanning can drive your shipping accuracy to new levels. E-Ship users will tell you that their accuracy approaches 100%. Not only do they know that they shipped the correct items in multiple packages, but they know which items are in each package and the tracking number of the package. In addition, the weight of each package substantiates that the quantity the customer ordered is actually shipped.

E-Ship uses the Dynamics NAV unit of measure functionality to convert and pack multiple units of measure for a single item. Typically this is utilized when a single item contains different barcodes based on its unit of measure.

When a sales order is completed, the E-Ship user is notified if the packed quantity is not equal to the quantity that was to be shipped. For backordered shipments, E-Ship has the ability to automatically update the sales order with the packed quantity.

An added benefit of package level detail is the ability to print a summarized packing list for the last package in a group, which shows the contents of each package and the associated tracking number. This information can also be automatically sent via E-Mail to the customer with CC and BCC addresses included as needed. This is extremely helpful when drop shipping product to a customer's end customer.

## Shipping Charges

Charges are automatically posted to the sales order and may be marked up by a percentage or dollar amount per package as a handling charge.

### COD Shipments

COD charges are triggered by the payment terms of the sales order and may be attached to each package or the last package in the shipment.

### LTL and Package Carriers

E-Ship is made up of various software granules that are selected based on specific requirements. This means that E-Ship supports the popular package carriers such as UPS, FedEx, and Airborne, and provides companies with the ability to subscribe to SMC3 to obtain their LTL rates or manually create and manage rate tables.

### EDI and ASN Integration

Because E-Ship captures Package Level Detail, there is no need to re-key data or transfer information from system to system to prepare and send the Advanced Shipment Notice. ASNs can be automatically sent when the sales order is closed, or in the case of LTL shipments, when the Bill of Lading is closed.

### Multi-Point Shipping Requirements

Today many companies operate multiple warehouses and shipping points, but have a strong need to operate from a consolidated ERP system. If your company has these types of requirements, E-Ship and Dynamics NAV offer an excellent solution. Using a Citrix server with terminals deployed in each warehouse, it is just as easy to ship from California as New York using a centralized database. In fact, E-Ship can ship a single sales order from multiple warehouses with separate or consolidated invoicing.

### International Shipping

As the world becomes a smaller place it becomes more and more necessary to ship internationally. E-Ship handles international shipping including interfaced AESDirect, as well as producing NAFTA documents for Canada, Mexico, and commercial invoices.

### E-Ship Package Detail

Below you can see a sales order being shipped by UPS in two packages. Notice shipping charges on the sales order.

1049 The Cannon Group PLC - Sales Order

General Invoicing Shipping Foreign Trade E - Commerce E-Ship EDI Procurement Credit Card

No. . . . . 1049  
Posting Date . . . . . 09/09/05  
Sell-to Customer No. . . . . 10000  
Order Date . . . . . 09/09/05  
Sell-to Contact No. . . . . CT000001  
Document Date . . . . . 09/09/05  
Sell-to Customer Name . . . . . The Cannon Group PLC  
Requested Delivery Date . . . . .  
Sell-to Address . . . . . 192 Market Square  
Promised Delivery Date . . . . .  
Sell-to Address 2 . . . . .  
External Document No. . . . .  
Sell-to City . . . . . Atlanta  
Salesperson Code . . . . . PS  
Sell-to State / ZIP Code . . . . . GA US-GA 31772  
Campaign No. . . . .  
Sell-to Contact . . . . . Mr. Andy Teal  
Responsibility Center . . . . . BIRMINGHAM  
No. of Archived Versions. . . . . 0  
Status . . . . . Released

T. No.	Description	Location	Quantity	Reserve	Unit of M...	Unit Pric...
I...	70000 Side Panel	BLUE	3		PCS	47.30
I...	70001 Base	BLUE	3		PCS	62.10
I...	70002 Top Panel	BLUE	1		PCS	44.30
R...	UPS 09/09/05	BLUE	1		PCS	19.85

Packages

No.	Multi Ord...	Shipping ...	Shipping ...	External Tracking No.	Shipping Cha...	Calculati...
P000005		UPS	GROUND	1Z1234560310000055	10.02	10
P000006		UPS	GROUND	1Z1234560310000064	9.83	9

P000005 - Package

General Ship-to Blind Ship-from COD & Value Shipping Agent

No. . . . . P000005  
Manual Shipment . . . . .  
Description . . . . .  
Closed . . . . .  
Shipping Agent Code . . . . . UPS  
Packing Date . . . . . 09/09/05  
Shipping Agent Service . . . . . GROUND  
Calculation Weight . . . . . 10  
Package No. / Total Pa... . . . . 1 / 1  
Calculation Value . . . . . 216.23  
External Tracking No. . . . . 1Z1234560310000055  
Additional Shipping Ch...  
Sales Order No. . . . . 1049  
Shipping Charge . . . . . 10.02  
Shipping Cost . . . . . 8.35

T. No.	Description	Quantity	Unit of M...	Net Weight	L... Value (Cost)
I...	70000 Side Panel	3	PCS	6.9 P.	72.30
I...	70001 Base	1	PCS	2.8 P.	31.70

## Available E-Ship Granules

**Packing** – captures package level detail using a wedge scanner attached to a computer workstation. This unique packing operation allows the user to execute the entire packing and shipping operation with the scanner.

- **Standard Pack** – provides the ability to easily pack many standard packages, such as cases, without scanning and weighing each package. This feature is often used to meet package shipping and labeling retail compliance requirements.
- **Fast Pack** – provides an alternative to the scanning interface by allowing a shipper to choose the item being packed from a list.

**Scales Interface** – interfaces with various electronic scales during the packing process.

**UPS Manifest** – uses the UPSlink functionality from UPS inside NAV to ship domestically and internationally.

**FedEx Manifest** – uses the FedEx API inside NAV to ship domestically and internationally.

**LTL Interface** – supports shipping via Less Than Truckload (LTL) carriers and contains a data import for CzarLite rates from SMC3. Rates are obtained separately directly from SMC3.

**Bill Of Lading/ ASN** – provides shipment planning, rating, printed Bills of Lading, and a basis for the Advanced Shipment Notice for EDI.

**Label Formatter** – provides the ability to format customized labels and assign them to shipping agents, customers, or ship-to addresses.

**E-Mail** – provides the ability to map customized e-mail formats and assign them to customers or ship-to addresses. Allows you to send shipping information and package details via E-Mail.

**AES-** a free service provided by the U.S. Census Bureau to facilitate the electronic filing of SED (Shipper's Export Declaration) information. Lanham's AES granule interfaces with AESDirect to submit AES Shipments and receive AES reference numbers (ITN numbers) for inclusion in shipping labels and manifests, including FEDEX and UPS. The AES Shipment can be created manually or from the Sales Order, Purchase

Order or Transfer Order form. The interface uses HTML documents. Documentation for AESDirect fields and other requirements can be found at [www.aesdirect.gov](http://www.aesdirect.gov).

**Rate Shopping** – provides the ability to estimate and quote shipping rates at the sales order or Bill of Lading level for package and LTL carriers.

**Freight Invoice Reconciliation** – can be used to electronically or manually compare shipping charges to freight invoices. This granule comes with an import for the UPS electronic invoice format, and is typically used to reduce surcharges due to invalid shipping criteria such as addresses, accessorial charges, etc.

**Export Documentation-** contains shippers export documentation (SED), NAFTA export documents, and commercial invoices.

**Certificate of Origin-** export documents can be created independently of packages.

**Label Formatter Extended Features-** adds the ability to do 2D barcodes and encode RFID tags.

## Software Requirements

- NAV OCX support required if utilizing MAPI E-Mail interface.
- Dynamics NAV client running under Windows 2000 or newer.
- Internet connection required on all shipping stations.

## Hardware Requirements

- Symbol model LS 4208 or equivalent.
- Electronic Scales using RS232 interface (Check currently supported models.)
- Eltron or Zebra barcode printer capable of printing at least 4" X 6" labels.
- Computer workstation, 1 GHZ processor, RS232 serial port, parallel printer port, and hard-wired network connection.

## About the Developer

Lanham Associates began its relationship with Navision in 1997 by creating the product's first distribution functionality, Advanced Distribution. A Gold-Certified MBS ISV, Lanham Associates, has been creating complementary supply chain planning and execution products inside Dynamics NAV ever since.

Current products include Retail Supplier Link (RSL), EDI, Automotive Supplier Link (ASL), E-Ship, E-Receive, Advanced Forecasting and Procurement (AFP), ADCS Warehousing, Credit Card Processing, History & Security Management.

Lanham Associates maintains high standards for product excellence, and has been the recipient of both the President's Club and Inner Circle Awards many times since being affiliated with Microsoft, as well as was awarded Microsoft's 2006 NAV Partner of the Year.

The company's products are available through their extensive channel of Microsoft Business Solutions resellers.

## Contact Information

For more information contact your local Microsoft Business Solutions reseller or contact

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