LOCATE-IT PLUS® THE SQL

A Window into your Warehouse

LOCATE-IT PLUS® RECEIVING

The receiving area is one of the most important areas of any warehouse or distribution center. Receiving marks the beginning point for product tracking. It establishes inventory visibility for all inbound goods.

LOCATE-IT PLUS® supports inbound product receipt from a variety of sources — a manufacturing line within the facility, Inter-plant transfers, a vendor or supplier, or customer returns. Different product sources produce different accounting documents for receipt verification. LOCATE-IT PLUS® supports an array of such documents, including manufacturing production receipts, vendor purchase orders (POs), Advance Ship Notices (ASN) from another plant or electronic data interchange (EDI) package, or return authorizations from a customer.

LOCATE-IT PLUS® is uniform across all sources, and the system addresses any special routing and handling requirements for each. Receiving functions include:

- *Product Identification* — determines the source and/or product type, and retrieves the appropriate document for receipt verification.

- *Data Capture* — the recording of received quantities, over, short, and damaged (O.S.& D.) quantities, and lot, serial, and expiration data as appropriate.

- *Product Check-In* — verifies actual against expected receipts. The process may be manual using packing documents or POs, or may be automated by the scanning of item or carton bar code identifiers.

- *Data Transfer* — receipt data are reported to the corporate host or ERP system. This process is automated, requiring no re-keying of receipt information.

- *Product Labeling* — supports the generation of bar code identifiers for the labeling of items or cartons as required.

- *Product Routing and Cross Docking* — inbound products are routed as you indicated in each item's profile (or as driven by back orders and current demand) — for instance Items can be received and Put Away in one step or items can be staged for quality assurance inspection, verified for count and item accuracy, routed to customer returns, or to the shipping dock to fill open customer orders.

- *Put Away Load Creation* — the creation of moveable units (Load) is a byproduct of the receiving process. These LOADS may be pallet loads or containers for loose parts. Each load is identified and tracked as a unit, yet each item's individual attributes are maintained. The entire load may remain intact during its warehouse life (and may even be sent to a customer as a unit), or individual items may be removed from the load as appropriate.

LOCATE-IT PLUS® STOCK MANAGEMENT

Stock Management functions support the primary function of distribution. These functions include Put Away, Product Moves, Cycle Counting, Replenishments, Inquiries and others.

LOCATE-IT PLUS® supports most all types of storage, picking and product handling strategies Several stocking strategies may emerge when considering a DMIS implementation, among them:

- Put away to empty, pick to clean
- Forward Pick and Bulk storage
- Fixed and random storage
- Activity-based storage
- First in, first out (FIFO) storage
- Mixing Lots & SKUs in the same location
- Location sizing & Cubing
- bulk/floor storage
- Zoning
- Automate Storage & Retrieval System (AS/RS)

Since LOCATE-IT PLUS® is highly configurable, it can provide support for any combination of these strategies. Additionally, you may change your facility characteristics or your processing rules after the LOCATE-IT PLUS® installation.

In all Stock Management functions, the user is prompted to input identifiers as appropriate for verification and confirmation. Database changes are immediately available to all other users and functions.

Put Away

The LOCATE-IT PLUS® Put Away function provides for the transfer of inbound goods to desired locations. Put Away directs the physical movement of product from the receiving area to its next location — an assigned or random storage location, a packaging area, a quality assurance area, an outbound loading dock, a manufacturing line or etc.

LOCATE-IT PLUS® Put Away allows for varying degrees of complexity in the put away process, ranging from simple load storage verification to complex routing and optimization schemes. Put Away methods are configurable and assigned at the SKU level.

Put Away functions include:

Load put away — the operator scans the load ID and the system recommends a put away location based on your put away rules (put away to an empty location in a particular zone based on product type, for instance). The user moves the load to the appropriate location and scans the location identifier to complete the put away.

Item put away — used to put away individual items directly to forward pick locations or to random storage locations containing the same item (at less than capacity). The process is similar to load put away except that the user scans the item or carton identifier in addition to the load ID. Again, the system directs the put away user according to your rules

Virtual Cubing™ – In order to put away individual items that are not load based, LOCATE-IT PLUS® uses a method called Virtual Cubing™ that calculates the size of items and locations. This method is simple to maintain and optimizes space utilization.

Database update — as items and loads are stored, location quantities are updated in LOCATE-IT PLUS®. With full integration items total become visible in the corporate ERP system and throughout the supply chain instantaneously.

Product Movement

LOCATE-IT PLUS® allows users to move loads using either directed or manual functions. A manual move allows the user to decide where to put an item. The system will then determine if that decision meets storage rules for that item. Such as: is the selected location in a proper storage zone, or were SKUs/Lots mixed improperly? Under certain circumstances the user can violate storage rule by overriding the messages. In other cases the system will prevent the user form violating those rules.

The directed move option will guide the user to a new location based on the established storage rules for that item.

Complete transactional history is kept for all product movement

PHYSICAL INVENTORY AND CYCLE COUNT

LOCATE-IT PLUS® provides a comprehensive, automated physical inventory function to facilitate product counting. The process allows for real-time data capture, supervisor spot-checks and overrides, and monitors progress. As with other system functions, you provide the processing rules for counting inventory:

- what level of discrepancies are acceptable (by unit and/or value)
- how many sweeps or passes are desired (assuming discrepancies)
- How items are selected to count
- Count by item or by location

The system produces a series of detailed discrepancy reports by value, by item, by zone, and/or by counter. The corporate host computer is automatically informed of final inventory values.

Some organizations are required (by law, by accounting practices, etc.) to conduct periodic physical inventories. For others, the physical inventory process may be an unnecessary, time-consuming, and expensive process, often forcing a facility shutdown. LOCATE-IT PLUS® *Cycle Count* allows you to spread the process over time, counting smaller increments of stock in smaller cycles. Over time, the entire inventory is counted without the needless expense of overtime and shutdowns.

LOCATE-IT PLUS® performs cycle counting on a schedule that you determine. You may choose to count items or locations based on any number of criteria, including last count date, velocity, value, product type or zone.

You may also predefine items so that they have differing count cycles. Faster moving items may have a cycle to be counted once a quarter whereas the slowest moving item may be counted once per year.

LOCATE-IT PLUS® cycle counting is configurable and adaptable to your needs.

Replenishment

LOCATE-IT PLUS® replenishment is the process of refilling forward pick locations to their pre-defined maximum levels. If you employ a forward pick strategy, then you might assign a high-velocity item a particular forward pick location and specify, in the location's profile, your minimum and maximum level preference for the item in this location. When the item reaches the minimum level, the user is directed to pick stock from reserve locations to bring forward and replenish forward pick locations.

In addition to this standard approach to replenishment, LOCATE-IT PLUS® also supports a demand-based strategy. This technique allows you to restrict your replenishment activity to those items needed to fill today's orders. If for any item there is an insufficient forward pick quantity to fill the orders, then the replenishment user is directed to let down enough product to both satisfy the orders and fill the forward pick location to its maximum level.

Consolidation

The LOCATE-IT PLUS® consolidation function provides for the merging of like items found in partially utilized locations for the purpose of optimizing space utilization. Following your rules, the system determines which locations are eligible for consolidation and directs the user in the most efficient series of moves to achieve optimal utilization.

Ask (Inquiry)

LOCATE-IT PLUS® provides a flexible on-line inquiry function. A wireless terminal or workstation user may inquire about and receive detailed information for any item, location, or load known to the system.

LOCATE-IT PLUS® ORDER MANAGER

The *Order Manager* module provides for the organization or pre-processing of your customer orders. This activity may consist of classifying orders into batches or waves, assigning orders to outbound shipments or routes, allocating inventory to the orders, and creating pick tickets (either paper or electronic).

Order Manager interfaces with your host computer system at differing levels of complexity. In some instances, the inventory allocation, order prioritization and carrier assignment are performed in the host environment — your process would in this case simply feed the orders to the picking process as they arrive from the host computer. In other cases, the host computer provides your facility with all outstanding customer orders and expects the distribution system to select the orders that will optimize the distribution center. Most companies find that their needs fall somewhere between these two extremes, often involving some level of planning for the next day, next shift, or next pick wave.

LOCATE-IT PLUS® allows for the manipulation of customer orders based on varying criteria. You might, for instance, select orders to satisfy a loading requirement (all orders for a particular route or carrier), to facilitate picking efficiency (all items for a particular zone), or based on customer priority. You may assign orders to specific carriers and assign carriers to specific dock doors so that pickers are directed to specific drop points at the end of a picking tour.

Order Manager is designed to be an interactive process — the picking supervisor may modify the pick queue numerous times before the desired pick requests become "final."

If your organization employs any combination of make to order, buy for order and pick from stock, Order Manager can help organize and track incoming items so that they are assembled together and so that orders can be shipped fully. You can designate a staging area for these items so they are kept together as they arrive. You can allocate stocked items so that they remain available when all non stocked items arrive.

Order Manager is an administrative application that presents information about incoming orders and a way to manage the picking process for filling those orders. *Order Manager* provides:

- *Inquiries* – See and edit order detail
- *Batching* — provides a way to logically group orders to optimize picking rule and procedures.
- *Staging assignment* – staging locations can be pre-assigned. Useful when multiple persons are picking a single order they all have a common staging point. Or when multiple orders are shipping on one truck.
- *Shipment planning* – gives you the ability to arrange orders on trucks so that you can maximize trailer capacity.
- *Routes* – establish the picking sequence to fill trucks in reverse route sequence. Can also move drops from one truck to another.
- *Wave Planning* – Establish the orders that are to be picked over the next time period.
- *Order Assignment* – Gives the ability to assign a specific order to a specific person.

LOCATE-IT PLUS® PICKING

Order picking is generally the most labor-intensive process in most warehouse operations — it is also the most critical link with the customer.

Picking methods are as numerous as distribution facilities. Many factors come into play in fitting a picking application to an existing operation, among them:

- *Order size and volume* — five orders each with 1000 line items is *significantly* different than 5000 orders each with a single line item, though the total product volume is the same

- *Pick quantities* — full pallet picks, case picks, and item or broken case picks (or some combination) are all handled very differently

- *Material handling devices* — fork lifts, pickers, carts, and conveyors all impact picking decisions.

A key benefit to LOCATE-IT PLUS® implementation is the ability to maximize both picking efficiency and accuracy. The picking application is flexible enough to handle a wide array of picking strategies. LOCATE-IT PLUS® provides the means to support multiple concurrent picking techniques. No matter what method you choose, pickers are guided through the warehouse using wireless mobile terminals: The following techniques are available:

- *Traditional pallet picks*
- *Split Picks* — Useful when orders consist of a mix of full pallet loads and eaches. The system can guide one person to pick full pallets from storage locations while another picks individual cases from the pick face.
- *Pick-to-Pallet* – used when an electronic record is needed for the detail of the contents of each pallet or container when sending EDI/ASN information.
- *Group or Batch Picks* – multiple orders, one picker. This technique is ideal for medium-sized orders of small items. The picker may sort the orders as they pick, either into the shipping carton itself or onto a picking cart shelf. Picker effi-

ciency increases because more picks are performed in each pick tour through the warehouse. If the orders are not separated at pick time, a downstream sort method must be employed.

- *Single order picks* — one order per picker. This technique is the simplest to implement and offers the highest accountability

- *Single order zone picks* — one order, multiple pickers. This method is primarily used for large orders requiring workload division to meet schedule demands. Typically, each person picks from a particular "zone" in the warehouse. Since only a single order is picked at a time, this method offers a high level of accountability

- *Zone picks* — multiple orders, multiple pickers concurrently. Typically, pickers are assigned to zones and pick all items for their zones. The pickers generally do not know which items belong to which orders. Very efficient for large numbers of orders, this technique generally requires some sort of sortation system (human or mechanical).

- *Wave pick* — is similar to zone picking, but within a predetermined time period. A pick "cycle" may last anywhere from a few minutes to a full shift. As orders are flushed through the system, the next "wave" of orders is released. The time window may coincide with carrier loading requirements, or may match the volume characteristics of a sortation system.

- *Dynamic Pick Line* – is a picking technique that combines the advantages of Batch, Zone & Wave picks with the advantages of a forward pick line. A pick line is created by moving a quantity of product (pallets) to an area (Pick Line) based on a group of orders (Wave) as defined in the Order Manager. Individual orders are then selected from this Dynamic Pick Line and assembled for shipping. Excess product in the Pick Line is then returned to stock based on standard put-away rules. The area is now made available for the next wave.

LOCATE-IT PLUS® PACK VERIFICATION

Pack Verification provides the user with a quick and efficient way to ready picked items for shipment. *Pack Verification* will ensure that shipments go out on time without count, or labeling errors. Efficiency is improved because items are scanned and verified against order requirements.

Pack Verification automates the steps involved in normal order packing. As items are picked for an order, the items are scanned and verified against the order pick ticket. *Pack Verification* then allows the item to be placed in an open container and records SKU, Lot & Serial Number data in that container for each item. As orders are filled, *Pack Verification* creates contents and UCC128 labels for the containers to enable their tracking during shipment.

Additionally, *Pack Verification* assembles electronic data about each container and readies this data for EDI/ASN notification if the requirement exists. *Pack Verification* is a user-configurable

system, thus allowing you to modify each workstation to conform to the individual user requirements and your facility rules.

Pack Verification addresses your compliance labeling needs. Shipping labels match your customer's information needs including compliance requirements. Packing list and reports can also be configured and designed to meet your specific needs.

Pack Verification *can conform to meet the needs of small carrier shipments or larger LTL shipments*

LOCATE-IT PLUS® SHIPPING MANAGEMENT

LOCATE-IT PLUS® *Shipping Management* provides for the tracking of product outbound from the distribution center and assists in outbound container scheduling. *Shipping Management* is closely related to the *Order Management* module, which provides for the assignment of orders to shipments and carriers, essentially creating *expected* ship quantities.

Shipping Management monitors and reports actual quantities shipped without regard to your shipping transport method — common carriers, private fleet, intermodal containers, etc. Whether labels are generated during picking, packing, or shipping, the loaders scan the pallet or carton identifiers as the containers are loaded.

Shipping Management functions include:

- *Product labeling* — supports accurate product identification and labeling based on data collected during the order preparation and picking functions

- *Third party application connectivity* — interfaces with freight manifesting applications for UPS, RPS, USPS, etc.

- *Data capture* — the recording (via scanning) of product identifiers as containers are loaded

- *Shipment confirmation* — verifies actual against expected shipments, notifying the user if there is an attempt to "close" a shipment with outbound items outstanding

- *Seal management* — assists in managing and tracking container seal data

- *Database update* — the database is updated to reflect that product has been removed from inventory and is no longer "on hand"

- *Data transfer* — shipment and discrepancy data are reported to the corporate host computer. This process is automated, requiring no re-keying of shipping information

- *Document generation* — as containers are filled, accurate shipping documents are created — packing lists, bills of lading, UCC128 carton identifiers, etc. This data can be used to transmit advance ship notices (ASNs) to your customers.

LOCATE-IT PLUS® PRODUCTION MANAGEMENT

Production Management is the series of events that manages the flow of raw materials into a production area and the receipt of Finished Goods. Finished Goods may have been produced on a "make to order" basis and will be shipped immediately or are destined for inventory.

Production Management provides for enhanced Lot tracking of raw materials used to create finished goods. As raw material is picked its SKU and Lot number is associated with the production order it is filling. As finished goods are received after production, their SKU and Lot number is associated with the production order. When customer orders are filled, finished good lot numbers are associated with the customer's order number. Thus providing complete history as to the origin of raw materials used to fill a customer order.

Production Management also takes into consideration how product is picked and staged for production. In some cases it is easier for material handlers to pick and stage a full pallet of raw material when only a small portion of that pallet is needed for this run. LOCATE-IT PLUS®, therefore will 'know' that there is raw material still left in stock. When the balance is returned to stock you can then indicate if any of the used material is to be scrapped. The difference will be the quantity applied to the production order.

Upon the receiving of finished goods LOCATE-IT PLUS® employs its enhanced item routing functions to ensure that items are staged for customers or put away based on configuration settings.

If you are in the business of starting production after an order is received, Production Management can ensure that raw materials are assigned and staged to the proper Production Order. With the use of Production Management you can now track raw materials, the supplier of that item and its Lot number to create Finished Goods. As items come off the production line, they can be staged or put away and LOCATE-IT PLUS® will know when all items are received and ready for shipment.

SUMMARY OF FUNCTIONS PROVIDED BY LOCATE-IT PLUS®

LOCATE-IT PLUS® System wide Functions

Platform

- Microsoft NT, Windows2000, SQL Server 7.0 & SQL2000
- 2.4Ghz wireless Systems

System Wide Functions

- Wireless Enabled
- Load and Quantity Based
- Host or system Generated line numbers on orders
- Multi-part barcodes
- Lot number tracking configurable system wide
- Multi-Level security and access to system
- Integration with ERP or other Host business systems
- Integration to Material handling equipment such as AS/RS, Conveyors and Pick to light
- Transaction logging by User ID, Transaction, Time/Date Stamp, item, load, & etc.
- Provide purging capability based on number of days of data to retain for each file
- Provide message sending capability
- Provide for report distribution based on established rules

Reports

- Over/short/damaged report
- Daily due-in summary report
- Vendor discrepancy report (QC). Returns report.
- Daily receiving transaction summary. Recommended consolidations report. Back order report.
- Item activity report
- Productivity reports
- Cycle count transaction report
- Cycle count discrepancy report
- Shipping documentation including
    - Bill of lading
    - Master bill of lading
    - Packing list
    - Manifesting (UPS)

    - Item master update report
- Receiving report by purchase order
- Receiving report by authorization number
- Receiving report by item
- Work preview

System Attributes

- **SKU**
- SKU, Alt SKU & UPC numbering
- Lot control & Expiration date configured at SKU level
- Class identifications, ABC Class
- MSDS reference number
- Date tracking; manufactured date, receive date, expiration date, & shelf life
- Put away & Picking locations configurable
- QA routing - configurable
- Cube Sizing – Virtual Cube*

- **Locations**
- Multi level (zone, aisle, bay, tier, slot) *
- Location Attributes; Active, On-Hold, Reserved, Out of service, Non-Pickable
- Product mixing by location configurable
- Location definitions configurable (staging, storage, pick line & etc)

- **Inventory**
- Quantity or Load ID based tracking
- Multiple hold status codes
- Track by lot
- Last cycle count
- Full inventory count

- **User**
- User name
- Password
- Access level

LOCATE-IT PLUS® Receiving:

- Receive by purchase order (PO)
- Receive without purchase order (Blind Receipt)
- Receive and verify manufacturing work order (MWO) ✦
- Capture lot or batch number information on receipt
- Assign FIFO date at receiving (override to earlier date)
- Capture expiration date at receipt
- Capture vendor manufacture date at receipt
- Allow for PO maintenance on warehouse created PO's
- Allow receiving adjustments to be completed
- Support cross docking functions
- Permit the printing of bar coded moveable unit labels
- Provide hard copy receiving worksheet
- Allow for input of receiving data via wireless and scanning
- Allow for input of receiving data via workstation and scanning
- Print item labels (and optional UPC labels)
- Provide item cross reference by item number and UPC
- Maintain detail of receipts by truck load✦
- Allow for status codes/conditions of incoming items
- Allow for suspension of truck unloading
- Maintain in-process tracking by receipt
- Direct product to the next applicable area
- Provide for optional checking/detailed receiving function
- Allow for unit consolidation at receiving
- Provide for quality control function (QC)
- List moveable units scheduled for inspection
- Retain information of contents of moveable units expected for QC
- Place items undergoing QC inspection on hold (optionally put entire amount received on hold until QC inspection)
- Provide the ability to perform customer returns through Returned Merchandise Authorizations (RMA) ✦
- Support the put away of returned items to stock, damaged etc.

LOCATE-IT PLUS® Stock Management

- Interactively track and control inventory from Receipt through Shipping
- Ability to track unit attributes (Examples - Lot/Batch number; Expiration Date)
- Recommend a preferred location for storage of any given SKU
- Allow acceptable alternate location overrides for storage of any given SKU
- Define zones for storage of any given SKU or group of SKU's
- Update the location of a product as soon as it receives information that a putaway or other move has occurred
- Maintain in-transit locations✦
- Ability to add, delete, and change characteristics about specific locations
- Support the designation of any location (or group) as a primary pick face. Pick faces have one SKU per location
- Support consolidation of partially-filled locations
- Automated direction of put-away based on management controlled criteria
- Use inventory/location attribute matching
- Follow predetermined inventory stocking strategy as follows (not necessarily in this order)
    - Product type
    - cross dock
    - Preferred locations
    - Product code
- Allow wireless based put-away activities
- Permit pallet consolidation during put-away
- Automated direction of put-away based on management controlled criteria
- Support multiple items in a single storage location
- Support multiple stocking locations for particular SKU's
- Allow for put-away to drop zone
- Allow the primary pick face to have only one SKU per location at a given time
- Provide real time host interface at put-away verification
- Provide alternate locations to WIRELESS users
- Log location overrides for management awareness

- Support remote storage locations
- Minimize operator travel time by determining put-away sequence
- Provide location-to-location moves
- Allow for moveable unit to moveable unit moves - transfers
- Support replenishment of forward pick locations
- Allow for replenishment of locations as follows
    - Prime (forward) pick locations from storage
    - Overflow locations to reserve storage

LOCATE-IT PLUS® Order Manager

- Allow for order maintenance capability (initiated from host)
- Order comments at header and line level*
- Manual order changes or by download from host
- Allow for order status inquiry
- Assign Pick staging locations
- Order Consolidation
- Create Shipments & Routes – Schedules picking in reverse order of delivery
- Provide the capability to complete order processing by:
    - Single orders
    - Wave orders (group release) *
    - Route orders*

Support the following wave processing steps: *

- Allow orders with a given order status to be selected for wave processing
- Determine orders to be selected (allow various sorts with different criteria)
- Create waves as follows:
    - Assign shipment method (parcel, LTL, company fleet)
    - Combine orders with acceptable criteria (same ship to address)
    - Provide capability to canonize the order (based on customer preference)
- Provide picking of items for a kiting function
- Provide capability to support routing
- Assign carrier
- Assign ship lanes/drop zones
- Allow for calculating and viewing workload estimate for each wave selected – future release
- Create a pick status message for the host

- Allow for wave order maintenance including merging of orders, canceling wave
- Rewrite of orders (partial order picking/shipping allowed)
- Release waves as follows:
    - Provide the ability to handle rush orders (move to higher priority)
    - Process special handling orders as appropriate (route to an assembly, packaging area)
    - Process later ship date orders as appropriate (low priority pick area, store in designated holding)
- Create pick records & documentation as needed:
    - Pick labels
    - Bar coded pick lists
    - Ship address labels
- Create interface files to pick mechanization including:
    - Pick-to-light
    - Sortation conveyors (scanner)
    - Carousels
    - AS/RS
    - Allow for the capability to change orders to cross-dock (override regular allocation based on order fulfillment priority)

LOCATE-IT PLUS® Picking

- Wireless Directed pick based on predefined rules
- Support picking by:
    - Order
    - Zone (order and/or item)
    - Batch/wave
- Support the following pick methods
    - Pick list
    - Pick list with WIRELESS
    - Eaches/ carton / pallet picks via WIRELESS
    - Pick-to-light, Carousels, AS/RS
- Split picks between pickers based on rules
- Support full pallet picks of multiple SKUs
- Support a UPC item cross-reference file (either can be scanned during picking)
- Support dynamic error correction capability (i.e., if pick location is empty, the system directs the picker to a new pick location)
- Maintain a pick history
- Allow for the ability to skip queued pick orders (record skips)
- Pick to sortation conveyors
- Support staging of picked items

- Direct picker to appropriate area to pick cross-dock items
- Provide capability to do only replenishment picking
- Pick by:
  - Replenishment order
  - Replenishment location
- Support on-demand generation of shipping labels, repack carton labels, and pallet labels
- Support wave picking process
- Support picking by order
- Support picking by zones
- Support staging of picked merchandise so that it can be loaded according to the load plan or route plan

LOCATE-IT PLUS® Pack Verification

- Support re-packing station
- Supports Pick to Container. Picker picks directly to shipping container and eliminates repackaging.
- Support order consolidation at packing
- Ensure picking accuracy through the use of weight verification
- Print packing documentation including such as packing lists and carton contents labels
- Shipping address labels
  - Customer labels (Customer preference message)
  - Customer carton labels
  - Price labels
- Provide device interface capability including:
  - Scales
  - Printers
  - Parcel manifesting systems (Interface to Tandata, Varsity Shipper, and/or Parcel)
- Generates user defined Compliance labeling for EDI trading Partner such as JC Penny, Sears, Wal-Mart, K-Mart & etc.

LOCATE-IT PLUS® Shipping Management✤

- Parcel carrier capability
  - Multiple carriers: UPS, FedEX, etc. (Automated carrier assignment)
  - Paperwork: manifest, packing list, shipping label (with I or N), reprinting
  - Capture carrier specific package ID, print on manifest

  - Scale interface for weight captures, with calculated override. (Manual Option)
  - Allow for partial order shipment
- Common carrier capability:
  - Change carrier
  - LTL carrier determined by customer criteria (Zip code, weight, etc.)
  - TL carrier determined by customer criteria (Zip code, weight, etc.)
  - Paperwork: BOL, load list, packing list, shipping label
  - Message support to print of BOL, packing list
  - Direct trailer loading from picking
  - Order staging and checking (produce labels, load lists, etc.)
  - Trailer Loading - Directed to all staging lanes for trailer
  - Unload truck
  - Staging lane control, block from new orders
  - Dock door assignment control
  - Allow for partial order shipments
- Fixed route capability
  - Directed loading, sequence control
  - Paper work: load list, packing list, shipping label, trip sheet, reprint
  - Pallet build from sortation system
  - Directed pallet transfer to staging lanes (control)
  - Unload truck
  - Split route/stop/order - split route/stop/order
  - Partial ship an order
- Optional outbound EDI unit level information for shipments (Sent to host of transmittal)