Elliott® V7.5 Release Note

Introduction

Netcellent has rewritten all the legacy manufacturing modules for Elliott V7.5 and consolidated them into the BOMP module. It simplifies manufacturing data collection while providing powerful management reports for analysis. Various real time inquiry functions allow a shop supervisor to quickly analyze the status of the floor. All legacy manufacturing modules are still supported in Elliott V7.5 and it is our intention to improve the BOMP module to the point where the legacy manufacturing modules are no longer needed. We suggest all customers currently using the Elliott manufacturing modules to investigate Elliott 7.5 and migrate to the new BOMP module.

There are numerous enhancements in the latest Elliott V7.5 release. The following are major areas of improvement: (1) Work Order Plus; (2) CSV file import and export functions; (3) generic credit card payment gateway support; (4) VICS bill of lading support; (5) expanded the Aging report for both AR and AP; (6) support for the latest Windows operating systems; and (6) support for the latest PSQL engine, Version 11.

Other improvements can be found in all areas throughout the Elliott system. Refer to the section titled "What's New Since Elliott V7.4" for more details about the changes in Elliott V7.5. If you are upgrading from an earlier Elliott version, you may find the "What's New Since Elliott V7.3, V7.2, V7.1 and V7.0" section informative.

Elliott V7.5 recognizes the previous V6.x database, including Macola® V6.2 and Elliott® V6.6 and V6.7. Upon initial startup, Elliott V7.5 will automatically detect and convert V6.2 data files. For V6.6/V6.7, Elliott V7.5 will automatically create new data files needed for Elliott V7.5. This ensures a smooth upgrade process.

Requirements

Elliott V7.5 will require the Pervasive® PSQL 10 or PSQL 11 database engine to run. You may obtain a copy of PSQL 10 or 11 from your Elliott reseller, if you do not already own a copy. For the best performance, we recommend the 64-bit version of PSQL 10 or 11. The 64-bit PSQL 10 and 11 database engines require a 64-bit server (i.e. Windows 2008 R2). The 64-bit client operating system offers no performance advantage over 32-bit, so you can continue to use 32-bit operating systems like Windows XP.

Client Operation Systems Support

Elliott V7.5 will run on the following client operating systems:

Windows 2000 Professional (not supported by PSQL 11)
Windows XP (all versions)

Windows Vista (all versions)
Windows 7 (all versions)

Special Note for Running Windows Vista and 7
Windows Vista and 7 dropped support for the Windows Help Program (WinHlp32.exe), which is used by Elliott to provide context sensitive help. Microsoft Window Vista users can download a copy of WinHlp32.exe from the Microsoft website to resolve this issue. Search the Microsoft Knowledgebase article KB917607 to find the download link.

Server Operating Systems Support

Elliott V7.5 will run on the following server operating systems:
Windows 2000 Server (not supported by PSQL 11)
Windows 2003 Server (32 or 64-bit)
Windows 2008 Server (32 or 64-bit)

Areas Requiring Attention When Upgrading to V7.5

PSQL Upgrade
PSQL 2000, 8 and 9 are no longer supported with Elliott V7.5 since those versions do not work with the latest Windows operating systems, like 7 and Vista. You will need to coordinate a PSQL upgrade with your Elliott V7.5 upgrade if your PSQL version is prior to 10. Contact your Elliott reseller for a PSQL upgrade.

I/M Setup
A new flag has been added to I/M Setup:
29. Default Std Cost Variance Acct
Enter a value for this field if you are using standard cost and want the standard cost variance account to be different than the purchase variance account. Prior versions required you to configure the Material Cost Type/Location file for standard cost variance, but this new field serves as a default value in 7.5.

BOMP Setup
If you intend to use BOMP Plus Work Order, the Next Plus Work Order Number must be entered in BOMP Setup:
6. Next Plus Work Order No

BOMP Global Setup
Various flags need to be configured in BOMP Global Setup before using the Work Order Plus feature. We suggest you review the WO Plus Getting Started document first, which you can find in the \Elliott7\Doc directory, as well as the Setup Manual. For additional information, the WO Plus Management, Shop and Advanced Features manuals are in the same directory.

BOMP Files to Be Removed

Upgrading the Elliott V7.4 BOMP modules to V7.5 may give you a Btrieve Error 139 on the following files:

BOMP Labor Grade File
BOMP Routing Master File
BOMP Work Center File
System Operator File

These files were released prematurely in Elliott 7.4. Since they were not used in Elliott 7.4, they do not contain any data and you can safely remove them. Elliott V7.5 will create them automatically. Open Windows Explorer and navigate to the Elliott DATA directory and remove the files. Be very careful and do not remove any other files. Do this for all companies. The following is a list of files to be removed:

- BMLABGRD.BTR
- BMRTGFIL.BTR
- BMWCFIL.BTR
- SYOPRFIL.BTR

Global User Security

Many new security flags have been added to Elliott V7.5. You can view these by logging into Elliott as SUPERVISOR and going to Util-Setup -> Password Setup -> Global Security -> Global Default Security. Screens 5 and 6 contain the following newly added flags for V7.5:

- Allow User to Enter Adjust Amt in AR Re-Apply
- Allow User to Modify IMLSHST Ser/Lot Hst Rec
- Allow User to Delete IMLSHST Ser/Lot Hst Rec
- Allow to Complete Exact Qty WO with Balance
- Allow User to Override Bin Priority
- Allow Rollup Comp Wgh in Comp Drill Down
- Allow User to Close PO Line During Receiving
- Allow User to See Labor Hourly Rate in BOMP
- Allow User to Enter BOMP +WO Reverse Trx
- Allow User to Change COP Incomplete Order
- Allow User to Change COP Order W/Shipping Trx
- Allow User to User BOMP Work Order Import
- Allow User to use BOMP Plus Work Order
- Allow User to Customize WO

Most of these flags affect newly added features in 7.5. The default values are "N", but review each flag carefully before giving a user access. If you leave "Allow User to use BOMP Plus Work Order" as "N", users will not see any Plus Work Order features. This may not be a bad idea since you might only want a few users to investigate the features in Plus Work Order initially while preventing other users from using it. If you leave "Allow User to Customize WO" as "N", user will not be able to choose different materials or routings when entering a material or plus work order. Chances are you want to set the default of this flag to "Y".

The following flags control existing Elliott features. By upgrading to 7.5, the default value is to disable the following activities:

Allow User to Enter Adjust Amt in AR Re-Apply
Allow User to Change COP Incomplete Order
Allow User to Change COP Order w/Shipping Trx

Review these flags carefully to determine if your users need them. Do so for all companies. You can set the default value for all users through Global Default Security and configure each user through Global User Security.

What's New since Elliott V7.4

Work Order Plus

Work Order Plus represents a rewrite of all Elliott manufacturing modules and consolidates them into BOMP. We have simplified the collection of manufacturing data by providing a time clock interface that can be used with a scanner. Labor and machine operation hours can be collected by the system without using the keyboard. In addition, management now has a real-time view of shop activities.

The ATP (Available To Promise) function makes it much easier for planners to purchase materials and schedule productions. Rough cut capacity reports can show capacity bottlenecks so a planner can adjust beforehand. Various labor related reports will help management to evaluate labor performance.

We believe Work Order Plus is a much better solution than the legacy manufacturing modules, although they will continue to be supported. For more details, read the WO Plus Getting Started document in the \Elliott7\DOC directory. You will also find other helpful WO Plus documents in the same directory.

CSV Import and Export

There are many CSV import functions in Elliott and our main objective is to allow users to create data in a spreadsheet and let the CSV import validate the data before it becomes a part of the permanent Elliott data. Since editing data in a spreadsheet is extremely flexible, these CSV import functions expand the Elliott data editing capability. We have added or improved many of the CSV import features in Elliott 7.5.

Attribute CSV Import

This function allows you to either create a new attribute or update an existing attribute through a CSV file. The function will import attributes for Customers, Vendors, Items, Sales Orders, Purchase Orders, Work Orders, Shop Orders, Employees, Salesmen and Ship-To's. The utility will validate the information provided in the CSV against the master record. In addition, it supports enhancement attributes and validates the data in each attribute field. Attributes are a great way to expand the Elliott database, to store

specific data unique to your business. Often the data is already available in electronic format and can be imported into the Elliott attribute database.

eContact Update Import
This function reads a straight text file with a single column of e-mail addresses. You can use this function to mass update eContacts to:

Delete eContacts
Terminate eContacts
Flag No Email for eContacts
Flag No Web Access for eContacts
Update the number of bouncebacks in eContacts

General Journal Transactions CSV Import
This function allows you to import General Journal Transactions through a CSV file. A controller or CFO may make a spreadsheet of additional journal transactions to the general ledger at month end. The import will save you time by avoiding manual data entry. The function can also be used to import distributions from a third-party application (i.e. Payroll).

AR Cash Receipt Transaction CSV Import Improvements
This feature was available prior to Elliott 7.5, but we have made two improvements. If the CSV file contained an invoice number, it was validated against COP Invoice History only. In 7.5, it will be validated against A/R Open Items. Also, you can optionally provide an Order Number instead of the Invoice Number for validation. This may happen if your EDI trading partner pays based on the order number instead of the invoice number.

AR Sales/Cr/Dr Memo Transaction CSV Import
If you perform billing through a third party application, the billing information could be transferred to Elliott through this CSV import. The function could also be used to transfer customer AR detail if you are converting from another ERP application.

IM Physical Count CSV Import to Support Serial Number
In Elliott 7.5, we added the ability to interface physical count tags for serialized items. You have the option of providing serial numbers in the CSV file. If serial numbers are not provided, it is assumed to be a "quick physical count" where the item quantity matches the number of serial numbers. If the quantity does not match, serial numbers must be provided so system can determine the inconsistent serial numbers.

IM Inventory Transaction CSV Import
If inventory transactions are collected through a third party application, the data can be imported into Elliott through this CSV import. It can also be used to import item serial numbers when converting from another ERP application.

IM Item Mass Change CSV Import
Most item master fields can now be mass updated through this CSV import utility. Certain fields are not allowed to be updated, like Item Quantity on Hand and Quantity Allocated. Also, item statistics are not allowed to be updated. For a complete list of item fields that can be updated, go to I/M -> Util-Setup -> Change Existing Item Import -> Layout.

COP Mass Billing CSV Import
This function allows you to collect shipping information through a third party application and feed the order number, item number and quantity shipped back to Elliott through a CSV file and perform billing selection.

COP Invoice Header Mass Change CSV Import
This function allows you to update a few fields in the COP Invoice Header table (CPINVHDR) that do not impact any historical statistics. This includes the accumulated total fields that contains the order actual freight amount from the carrier. This can be used to compare the actual freight and charged freight for management analysis.

PO Item Vendor CSV Import
This function allows you to update the Purchase Order Item Vendor table through a CSV import.

PO Line Item Change CSV Import
This function allows you to update certain Purchase Order Line Item fields, like Quantity, Unit Price and Promise Date through a CSV import. It can facilitate the Change PO process if your vendor provides feedback on your purchase order in electronic format.

BOMP Work Order CSV Import
This function can be used to create a new work order or change an existing work order. The quantity or work order start and due date can be changed on existing work orders. This allows a shop manager to schedule work orders outside of Elliott (i.e. in a spreadsheet) and import the changes into Elliott.

BOMP Routing CSV Import
Routing is part of the Work Order Plus feature. In Elliott 7.5, users can create and maintain a routing in a spreadsheet and import into Elliott through this CSV import. In addition, we provide a CSV export function in “Standard Product Routing” which produces an identical CSV format. Therefore, this function can also be used for migrating Standard Product Routing data to BOMP Work Order Plus.

BOMP Production Transaction CSV Import
Currently, we only provide a BOMP Production Transaction CSV import function for Legacy and Material Work Orders. We intend to provide the same capability for Work Order Plus in the near future. If you collect production data through a third party application, the data can be imported into Elliott through this CSV import.

CSV Export
Many CSV export options have been added in Elliott 7.5. Most are part of a report function, which we will discuss later, but provide them here as a quick list for your reference:

- SM User Security Printing with CSV Option
- AR Aging Report with CSV Option
- AP Aging Report with CSV Option
- IM Inventory Aging with CSV Option
- IM Physical Count Export Tag CSV Export Function
- IM Location History Support with CSV Option
- IM Linkage Processing CSV Export
- IM ATP Summary with CSV Option
- COP Invoice Printing with CSV Log Option
- COP Manifest Orders Status Report with CSV Option
- PO New Schedule Receiving Report with CSV Option
- PO Item Vendor CSV Export Function
- BOMP Work Order Report with CSV Option
- BOMP Work Center Rough Cut with CSV Option
- BOMP Labor Performance Report with CSV Option
- BOMP Product Routing Edit List with CSV Option
- BOMP Cost Master Edit List with CSV Option
- SPR Routing CSV Export Function

With most of these export functions, the system will prompt to launch the CSV file after exporting. If you choose to view the exported CSV, Excel is started by default and you are viewing the equivalent of the Elliott report in a spreadsheet, which makes it extremely flexible.

Payware PC Credit Card Payment Gateway Support

Prior versions of Elliott only supported on-line credit card processing through the Viawarp Payment Gateway software. Viawarp is proprietary software for credit card processor Elavon (formerly known as Nova) and a merchant account was required through Elavon.

Now we are supporting both Viawarp and Payware PC. Payware PC is a generic payment gateway that supports all major credit card processors. Therefore, you can stay with your current credit card processor or shop for the best credit card merchant rate since you are no longer tied to any one credit card processor.

Payware PC also offers more advanced features that allow Elliott to process a credit card transaction by using a previous processed transaction ID. For example, if you wish to credit back a customer's credit card, the credit card number is not needed. By specifying the previous transaction ID assigned by Payware PC, you can credit, void or charge the card if the previous transaction took place in the last 6 months. This implies that you

may not need to store the credit card number in Elliott, provided you do not bill recurring charges. By eliminating the credit card number from the Elliott database, you are able to be certified for PCI compliance.

In addition, the Payware PC interface allows Elliott to support credit card swiping in a retail environment to qualify for the "Card Present" best rate. Systems can also collect a consumer's signature on supported terminal devices and print it on the invoice, so you no longer need to keep a hard copy.

VICS BOL

VICS BOL (Bill of Lading) is a standard Bill of Lading format specified by the VICS organization (www.vics.org) that has the support of many major trading organizations, especially those engaged in EDI transactions. This feature was introduced in Elliott 7.4 as an add-on solution, but in Elliott 7.5 we are releasing it to all Elliott users.

With this feature, Elliott introduces a comprehensive shipping process that integrates the printing of the VICS BOL and the UCC-128 label, confirmation and adjustment of the ship data, and information for the EDI advanced ship notice. It is an alternative solution to the Elliott Shipping Verification function, which is more suitable for pick and pack scenarios. The Elliott VICS BOL process is optimized for standard pack.

We have enhanced the picking ticket to be able to print the item case size, weight and volume. These are crucial fields for an accurate bill of lading and may be required by the trading partner on the advanced ship notice.

EDI Improvements

There are many improvements in Elliott 7.5 to facilitate better EDI integration. In addition to the VICS BOL feature, we also introduced:

- A sales order change export to support EDI 855 and 865 transactions (Order Changes).
- An invoice consolidation option for the invoice export. This can be selected by trading partner and can be grouped by ship-to.
- Sales Order Import support for item substitutes if the requested item is obsolete or contains a restrictive attribute.
- Case Size and Inner Pack Size support to the Order Line Item table. Each value can be verified against the Item file or custom values in the Customer Item file during Sales Order Import. The values are available in the order and invoice exports for EDI mapping.
- Verification of the UPC and Customer Item during Sales Order Import. It will report if the value is missing or inconsistent. An additional flag will allow Customer Items to be automatically added to Elliott if missing. These can be tuned by trading partner.
- Transportation Method to the Ship Via, which is exported with the ship data.

- Population of the BOL number during ship data export, regardless if a bill of lading was created. This insures a unique shipment ID for every ASN.
- Pre-check of the ship data and invoice data before it is exported.
- Events to the Sales Order Import, which makes automating the import through Deferred Processing possible.
- The ability to tell if an order is EDI through the Sales Order Inquiry.
- The option to require the ship-to cross reference or to turn off verification of the field.

Other minor changes were made to the Elliott 7.5 EDI capabilities to make a smooth EDI integration environment between you and your trading partners.

System Manager

Password Setup - User Lists Improvement

The User List has been greatly enhanced from its original format. We now offer three different formats, Summary Report, Detail by User, and Detail by Function. The Summary Report retains the original format. Detail by User will print access for each user to each menu item with a clear description, including Global Security settings. Detail by Function will print who has access to each menu item, including Global Security settings.

Password Setup - Copy User Improvement

The copy user function in Password Setup has been improved to do the following: (1) Allows you to copy a user setting from one company to another; (2) Delete a security setting for one company without deleting the entire user entry; (3) Allows you to copy to a target user that already exists, overriding the settings.

eContact Termination

A "Termination Date" was introduced in eContacts to indicate when an eContact is no longer working with an organization without deleting the eContact record. A terminated eContact will show up as grayed out and can be filtered out if you do not wish to see it.

Accounts Receivable

Expanded A/R Aging Report with CSV Option

A new A/R aging report is now available to print up to 7 columns of user definable aging periods. In addition, the report can be exported to a CSV file. This not only improves the analysis ability of the A/R aging report, but this type of spreadsheet is often required by banks to finance receivables.

Customer Salesman Re-Assign

With this feature enabled through Global Setup, changing a customer's salesman can optionally perform the following:

- Change the salesman on the customer's outstanding orders.
- Change the salesman in the customer's ship-to records.
- Change the Create User for the customer's attributes.

- Change the customer's wish list email address.

Customer City Sales Tax Code Auto Assign
Although Elliott is able to automatically assign sales tax codes when a customer is added based on the state and county defined in the tax codes, certain cities also impose sales tax. In the past, these needed to be manually added. This feature assigns tax codes at the city level so city sales tax can be automatically determined when adding a customer.

Customer Average Days Pay YTD by Due Date
Fields 74, Avg Days Pay Ytd, and 75, Avg Days Pay Last Yr, in the Customer file were calculated based on the invoice date, but this release is improved with a Global Setup flag to define it based on invoice or due date. We also provided a recalculation utility in Global Setup -> Utilities -> Generate Statistic Info -> Recalc Customer Avg Days Pay. The recalculated number may be different than the original, but is more accurate since the original number was not updated when open payments were reapplied or when payments were created in COP.

Open Item Edit List Improvements
The following parameters have been added to the A/R Open Item Edit List:
- Cut-Off Date
- Starting/Ending Collector
- Print Debit Balance Customer
- Print Credit Balance Customer
- Print Zero Balance Customer
- Record Type
- Un-Applied Record Only

This makes the parameters similar to the A/R Aging report, but more options are available so you can more finely tune the results. For example, you may answer "N" to Print Debit Balance Customer" and "Print Customer Balance Customer", and "Y" to "Print Zero Balance Customer" and "Un-Applied Record Only". This will produce a small list of customer accounts with a balance of zero and their un-applied records. This is an ideal worksheet to use to re-apply credits.

Cash Receipt Payment Type
You can now indicate the payment type during cash receipt. The possible transaction types are:

CK = Check
CS = Cash
GC = Gift Certificate
CC = Credit/Debit Card
WR = Wired/ACH

The entered payment type will be displayed in A/R Account Inquiry and printed on the Cash Receipt Edit List, A/R Aging Report, and Open Item Edit List. Payments from A/R Credit Card Trx Processing and the COP Payment Window will have the proper payment type updated automatically.

Accounts Payable

Expanded A/P Aging Report with CSV Option
Like the Expanded A/R Aging Report, the Expanded A/P Aging Report offers up to 7 user definable aging columns. Unlike the A/P Open Item Report, the A/P Aging Report offers aging information on individual vouchers. In addition, the report can be exported to a CSV file for further analysis as a spreadsheet.

Inventory Management

Component Drill Down
The Component Drill Down window (F2 Key) in the stock status inquiry screen has been improved to provide information on (1) The cost to buy or build; (2) The option to substitute component items; (3) The shortage information for both parent and components, including weight, cost and lead time. This give users a better idea on whether the needed parent item should be bought or built; (4) The drill down to ATP for each component.

Location History Inquiry Improvement
Location History Inquiry (drill down from Stock Status Inquiry) now supports both Calendar and Fiscal Year. You may further drill down each period to show the breakdown by customer type.

Location History Summary Report with CSV Options
You can print a 12 month column report based on data in IMLOCHST (the same data in Location History when drilled down from Stock Status). This can be sales quantity, amount, cost or margin. We also added information to IMLOCHST, including quantity received and days out of stock. Days out of stock requires daily recalculation through Global Setup -> Utility -> Generate Statistic Info. We recommend you automate the recalculation with Deferred Processing.

Serial History Maintenance
Serial history could only be inquired in the past and mistakes made through invoicing could only be corrected by issuing a credit memo and invoicing again. The corrections would appear in Serial History, which some customers find undesirable. In this release we allow you to make changes to Serial History, including the deletion and modification of serial history records. The changes are saved in an audit file and can be easily retrieved to show the original data before adjustment. There are global security flags to determine who can perform the adjustments.

I/M Distribution Report
New selection parameters of Item Number and Product Category have been added to this report. Be aware that starting with Elliott 7.5 the BOMP work order distributions are written to the B/M Distribution file now and will no longer show up in I/M Distribution.

Inventory Aging Report Improvement
The Inventory Aging Report now supports a CSV file export so you can view it in a spreadsheet. An additional parameter was added to select Purchased, Manufactured or All items. Selecting "All" or a range of locations will allow you to specify "Netable Locations Only".

Inventory Transactions Processing Improvement
As mentioned earlier, a CSV Import function was introduced in Inventory Transactions Processing to facilitate the creation of transactions. To support this CSV import, we have made the Vessel Number field in Inventory Transaction a batch ID. You can access this field regardless if the transaction record was put on hold. Printing the edit list or posting inventory transactions allows you to report by Vessel Number.

The Notes (five amigos) function is now supported for inventory transactions to give you a place to document a reason for the adjustment. Notes for the transaction will be printed on the edit list and post journal. Upon post, the Note (and five amigos) records will be removed.

QTYAVAILBYCOMP Attribute
Once this attribute template is configured properly, the system will allow you to see inventory information from the following perspective:

- The total quantity available for all netable locations.
- The maximum quantity available to sell for a kit item.
- The maximum quantity that can be produced for a manufactured item.
- The date the parent or components will be available if both are out of stock. The maximum quantity available at that time will be populated.

This is important to users who sell kits produced through BOMP or Shop Floor. The recent trend for E-Retailers is to work with major internet portals where the inventory needs to be constantly synchronized with the portal. If the E-Retailer stocks all inventory in the final parent item form, keeping the portal updated is relatively easy. Keeping the inventory in component form can be flexible if the final product can be easily assembled or produced, but this makes updating the portal difficult since a component might be used in many different parent items. This function provides valuable information about the item quantity available to produce and sell. The QTYAVAILBYCOMP attribute needs to be configured in order to use this feature and calculated periodically, we recommend daily, to keep the data up to date. The update can be found in Global Setup -> Utilities -> Generate Statistic Info -> Update Qty Avail By Comp Attribute. The Layout menu option displays the layout of the QTYAVAILBYCOMP attribute. We recommend using Deferred Processing to automatically update the attribute.

Item Generic Search Improvement
We have added two quantity columns to the Item search window, Total Available and Location Quantity Available. The location can be set by pressing the F3 key. In addition, you can iterate through each location by pressing F1 (next) or F2 (previous). F4

is available to drill down to stock status inquiry and you can further drill down to other information.

Inventory Transaction History
Drill down to Inventory Transaction History from Stock Status Inquiry is now available. Inventory Transaction History displays all inventory transactions of an item by reverse date sequence (the latest transaction is on top). You can further drill down on each transaction. Inventory Transaction History contains the same information as the Inventory Transaction Audit Trail Report. We are making this information easier to access by providing the drill down in Stock Status Inquiry.

ATP Summary Report with CSV Option
ATP (Available to Promise) has become a comprehensive material requirement planning tool. We now offer an ATP Summary Report that prints a quantity balance for up to 12 periods, item by item. A period that ends with a negative quantity means there is a shortage for that period. A planner may need to order more, request a current order be expedited, or inform the customer of the delay. Since the report prints one line per item, it is a very concise format that is easy to review by a planner or manager. The report can be exported to a CSV file for up to 52 periods. Viewing ATP Summary in a spreadsheet makes it even easier. For example, you can display the negative periods in red to make them easy to find.

ATP Processing Improvement
ATP Processing can now display a default vendor shipment cut-off line. Purchased items without a confirmation before this cut-off indicates the item will not arrive on time and requires a follow-up with the vendor. In addition, a planner can manually create plan records, requisitions and work orders in the ATP Processing screen, making it truly easy to plan materials. Changing a plan record to a requisition or work order may prompt the user to order by Order Multiple, resulting in an increase in quantity. The system now has the intelligence to adjust down the plan quantity due to this kind of increase.

Item Label Printing
Printing item labels required access to the Item Maintenance screen, which was a security concern for some. In this release, Item Labels have been added to the Item Inquiry submenu. The name of the CSV file can now be changed and will be stored user by user as a default for the next time labels are printed. Since different file names can drive different label layouts, this solution allows you to print different types of item labels through the same user interface.

UPC Code Change
This release will allow the same UPC for two or more items, although the system will continue to give a warning if a duplicate UPC is entered. This is potentially confusing, so various safeguards were added. For example, when a UPC for more than one item is entered the system will display the items so one can be selected. In an EDI environment, the Elliott item number can be given and the UPC verified during Sales Order Import. If

the Elliott item number is not given, the import will use the first matching non-obsolete item.

Customer Order Processing

Order Header Improvement

The following in the Order Header screen have been improved:

- **Ship Date**: The default was always "ASAP" for this field. Now you can configure the default to be the system date.
- **Freight Pay Code**: Various freight pay codes were added to support Starship, Third Party Billing, Receipt Billing, Sending Billing. The corresponding Freight Pay Code field in the Customer file has the same feature.
- **Job Number**: The Job Number can now default to the Sales Order Number, to track progress of an order in BOMP, or to the Customer Number, to track ATP of special orders for a customer. A Global Setup flag can now make Job Number a mandatory field. The literal "Job No" can be user definable.

Order Edit List Improvements & Edit List Summary

Order Edit List Summary prints one line per order. The selection parameters are similar to the prior order edit list with the following improvements:

- You can select records by customer number.
- You can select records by customer PO number.
- You can select records by order terms code.
- You can select records by order ship-via code.
- You can print the report in order number or customer number sequence.
- You can answer "H" to the "Print On Hold Order?" parameter to produce an edit list of held orders only.
- The parameter "Print Picked Order?" was added with the option to specify "P=Picked Orders Only" to produce a list of orders that have a picking ticket printed.
- The parameter "Print Incomplete Order?" was added with the option to specify "I=Incomplete Order Only" to produce a list of incomplete orders.
- You can specify "S=Selected Only" for "Print Selected Order?" to produce a list of billing selected orders.
- You can specify "I=Invoiced Only" for "Print Invoiced Order?" to produce a list invoiced, but not posted, orders.
- You can specify whether to print order document notes, order internal notes, all order notes, or not at all.

The Order Edit List has been changed to match the same parameters as Order Edit List Summary.

Backorder Reports to Show Ready to Fill Items Only

You can now print a backorder report with an additional parameter, "6. Print Item Excess Qty > 0?" Responding "Y" will print only items that have excess quantity to fill backorders. The current excess inventory quantity will be printed in a worksheet format.

This is a much smaller report that can be used to allocate inventory to customers with backorders.

Order Status Reports Additional Printing Method
Order Status Reports (Backorders and Open Orders) can now be printed by Ship-To sequence. In addition, the system supports an item subtotal when printed by Customer or Ship-To sequence.

Sales Desk Improvements
Sales Desk now supports backorders if inventory is not available and allocates inventory immediately when entering a confirmed line item. In the past, the inventory allocation did not take place until the order was created. This small delay could prevent Sales Desk from allocating inventory when completing the order. If inventory is not allocated in Sales Desk, the option to create a quotation is still available.

Sales Order Credit Check
Credit checks would take place when a sales order was entered. Now the system can be configured to check credit during order entry or when the picking ticket is printed or both. The intention is to address backorder requirements. If orders are often placed on backorder, the credit limit check should be when the order is ready to ship (i.e. picking ticket).

Pick Ticket Printing Improvements
You can now print picking tickets by Ship-Via code. In addition, the tickets can be configured to print case quantity and the weight and volume of each line item.

Invoice Printing Improvements
Invoice printing has been improved:

- Supports the printing of salesman name and sales tax percent.
- Allows selected orders to print by ship via code and terms code.
- Allows you to create an invoice log file in a CSV format for auditing.

Print One Invoice
This new feature allows you to print one invoice at a time, so multiple users can use Print One Invoice at the same time. Batch invoice printing only allows one user at a time.

Order Manifest Status Report Improvements
In this release you can print this report by Customer Number and specify whether to use Order or Invoice History data. A CSV file creation option was also added. In Global Setup you can specify which column and location to export to the CSV file. If you specify line item data to export, one CSV record per line item will be exported. If no line item field is specified, one CSV record per tracking number will be exported. One application is to provide required shipping information in the CSV file for major E-Retailers portals.

Open Contract Pricing Support
Contract pricing was assigned to a specific customer or customer type, but we are now supporting Open Contracts which allows you to define a contract without specifying a customer number or type. Customers can be added to this contract at a later time.

Purchase Order

PO Line Item Screen Improvements
In the PO Line Item screen, we added the following features:

- **Close PO Line Item**: You can close a PO line item by indicating "Y" to the close flag. Closing a line item will remove it from ATP and schedule receipt reports without canceling the line item. You can also close a line item in the PO receiving screen.
- **Original Promise Date**: When the promise date is changed, the original promise date is save in the Original Promise Date field. The reason is to keep track of vendor performance by comparing the actual delivery date to the Original Promise Date.
- **Firm Flag**: This indicates whether the new promise date is firm or not. It will display in ATP Inquiry and on the reports to indicate whether the promise date is reliable or not.

PO Printing Improvements
This release provides a template for "Expanded PO Laser Form" which prints the PO in a smaller font, but is a much easier to read line item format. This format allows you to print the extended price field without printing the "Ext Price =" literal.

New PO Schedule Receiving Report
The New PO Schedule Receiving Report has an improved layout that prints the pending receiving information, which is not on the legacy PO Schedule Receiving Report. The new report allows you to export the data to a CSV file so it can be viewed as a spreadsheet.

PO Warehouse Receive Edit List Improvements
A new flag was added to PO Warehouse Receive Edit List, Print Qty Info. The quantity was always printed, but you can now substitute underlines instead. The intention is to give this list to the warehouse personnel and later verify the quantity.

PO Invoice Processing Improvements
You can now create prepaid vouchers in the PO Invoice Processing screen. Before you could only create regular vouchers.

BOMP

In addition to the Plus Work Order features mentioned earlier, we also added the following features for Legacy and Material Work Orders:

Work Order Start Date
The Work Order Start Date was a calculated field based on lead time of the item and used as a reference only. In this release the start date is still calculated by item lead time, but you can override it. The ATP no longer assumes material requirement for the work order based on due date, but uses Work Order Start Date instead.

Component Serial Number Support
We added support for collecting a component's serial number in the production transaction screen for both material work orders and plus work orders.

Production Schedule Report Improvements
In addition to the support of Plus Work Orders, this report added the following features:

- Additional selection parameters of Starting/Ending Product Category.
- Select by Work Order Status – Unallocated, Allocated, Printed, or Partial Posted.
- Print in Brief (one line per WO) or Detail (two lines per WO) format.

Production History Report Improvements
In addition to the support of Plus Work Orders, this report added the following features:

- Additional selection parameters of Starting/Ending Transaction Date.
- The report can sort by item number sequence.
- Print in three different levels – summary, brief or detail.

WIP Detail Report
This is a new report. Even though the WIP Detail Report was introduced primarily to support Plus Work Orders, it supports Legacy Work Orders as well.

Work Order Report
This is a new report. It allows you to print a list of work orders by various parameters. The report can be sorted by Item, Category, Work Order Start Date, Due Date or Work Order Number. The report format can be detail, work order summary or summary. In addition, the report data can be exported to a CSV file to be viewed as a spreadsheet.

Vertex 5.0 Support

Elliott 7.5 supports the Vertex L series 5.0 interface. The main feature of Vertex 5.0 is to use the 9 digit zip code to determine the taxing jurisdiction. This requires a new database table supplied by Vertex, which you should import monthly into Elliott. Elliott can now locate the Geo Code when a 9 digit zip code is entered and uses the old method if the standard 5 digits are given.

Prior to Elliott 7.5 the customer and item taxable flag could be selected for TDM individually. Vertex 5.0 requires both to be determined by Vertex if TDM is used. Vertex users upgrading to Elliott 7.5 must check the following Global Setup flags for Vertex:

3. Use Item Taxable Flag or TDM
4. Use Customer Taxable Flag or TDM

The value in field 4 will be set automatically and skipped based on the value in field 3.

Areas Requiring Attention When Upgrading to V7.4 and Higher

Sales Order Import Directory Change

Sales Order Import has been changed in V7.4 to allow the user to press F7 to get a partial list of files to import, or F8 to get a full view of all the files in the directory. Most users set this directory to be their data directory. Since this can be a security risk and to make the import process easier, we recommend creating a dedicated directory for the import files. We have also separated the directory name from the file name, so you will need to make this adjustment before importing in V7.4. If this is not done, the program will detect that the filename is missing and ask you to change it in Global Setup.

ATP Global Setup

Many new features have been added to ATP in Elliott V7.4. If you use the Elliott ATP function, you should go to Global Setup -> System -> Available to Promise and enter a value for the new flags. Read the release notes or documentation about the new ATP features to decide how you should configure the additional flags.

Other Global Setup Flags

We highly recommend reviewing the Global Setup flags once you upgrade to Elliott V7.4, including but not limited to:

- A/R Cash Receipt Interface
- IM Inventory Aging Report
- BOMP Global Control (Especially BM Material Work Order)
    - You should ignore global setup flags 12 – 18 for now.
- P/O Global Control (Especially P/O Invoice Process)
- P/O Warehouse Receiving
- P/O Warehouse Receiving Import
- COP Pickup Processing
- COP Transfer Processing
- COP Sales & Stock Analysis

BOMP Setup for Starting Material Work Order

Elliott supports Material Work Order in V7.4. We suggest Material Work Order have a different range of order numbers from the Legacy Work Orders to avoid confusion. You can set the starting Material Work Order number in BOMP -> Util-Setup -> BOMP Setup.

Global User Security

Several new security flags have been added in Elliott V7.4. You can view these by logging into Elliott as SUPERVISOR and going to Util-Setup -> Password Setup ->

Global Security -> Global Default Security. Beginning with field 11 in screen 4, the following are newly added flags for V7.4:

- Allow Entering COP Transfer Order
- Allow Delete Pickup/Delivery Pending Trx
- Allow to Use Blank Dist Type in I/M Trx
- Allow to Use Specific Date in Inv Aging Rpt
- Allow User to See Planning/Forecast ATP
- Allow To Print Duplicate Work Order
- Restrict User Enter Addr. In Ship-To
- Restrict User from Change Ship-To Record
- Restrict User from Delete Ship-To Record

The default values are "N". We suggest you change "Allow to Use Blank Dist Type in I/M Trx" to "Y" if you are not going to create distribution types, since that was the original behavior. You can use your own judgment to determine the rest of the flags. Repeat this for all companies. You can also configure an individual user's security in Global User Security.

What's New since Elliott V7.3

Use ATP as MRP

The ATP (Available to Promise) feature has been in Elliott since V6.7. Initially, ATP only supported parent items and was mainly used by importers to view scheduled sales orders and purchase orders together to predict the quantity balance of an item. It can be used by buyers for purchasing or customer service reps for advising a customer of their delivery schedule. ATP was later expanded to support components so it can be used for MRP (Material Requirement Planning) as well.

If you are a planner or buyer, you will be glad to know Elliott V7.4 ATP has been improved to a new level by adding the following features:

Forecast Orders

In the past, planners could predict future quantity balance of an item based on the actual orders in the system. "Actual orders" refers to Sales Orders, Purchase Orders, Production Work Orders and Shop Orders. If you are in a purchase/production to order environment (i.e. you only purchase or produce if there is a confirmed sales order), this will work fine. However, many users work on a purchase/production to stock basis or on a mixed to-order and to-stock basis. In that case, users will need to have a forecast model to predict future sales. Based on the forecasting, the system can determine the proper future replenishment (i.e. Purchase or Production Orders).

Elliott V7.4 now provides a forecast database where users can enter the future sales forecast data and it becomes a part of the ATP system. This will help the ATP system to create future plan orders. Since many companies use a spreadsheet to build their forecast

model, your customers may provide their forecast data to you in a spreadsheet format and this can be imported into the Elliott forecast database.

Planning Orders

In the past, buyers looked at the ATP data to spot negative quantity balances in the future and placed the necessary PO or Work Order to fill the hole. In Elliott V7.4, the system can now create planning orders to fill the hole automatically. Planning Orders are replenishment orders created in Elliott V7.4 to save buyers and planners time. If buyers or planners agree with the system created Planning Orders, they can simply confirm them through ATP Processing and the actual orders (PO or Work Orders) will be created.

Various factors can be setup in Elliott to help the system to determine the planning order quantity and date. This includes planning lead time (field 84 in Item Master), safety stock(field 59 in Item Master), planning period(field 14 in Global Setup, ATP), buffer days (fields 15 and 16 in Global Setup, ATP) and forecast records previously created. Users on a manual MRP system must realize that to switch to an autopilot ATP system will take some time to fine tune these factors to fully automate it correctly. The ATP system will only create Planning Orders for those items that have field 73 (Master Sch Item) set to "Y."

Since Planning Orders are created by the system automatically, the planner (or buyer) may not agree with all of the values and can override them. This can happen especially in the beginning stages of implementing ATP as MRP. In Elliott V7.4, we introduced a utility called "ATP Processing" and one of its many functions is to allow adjustments to Planning Orders. Once a planner is satisfied with the planning order, they can turn it into an actual order, like a PO or Work Order. Sometimes the planning order may not be ready to become an actual order and the planner may simply adjust it and leave it at the planning stage. However, each time the system performs the ATP Re-Gen (like MRP Re-Gen), the previous planning orders will be wiped out and re-calculated. If planners want to keep the adjusted planning orders from being overridden by the re-calculation (Re-Gen Process), they need to change it into a firm plan order.

The Four Planning Types of ATP

Depending on the level of the firmness of an order, the ATP records can be divided into four different categories:

"A" - Actual – ATP records prior to Elliott V7.4
"F" - Firm – New Feature
"X" - Firm Plan – New Feature
"P" - Plan – New Feature

Actual: All the ATP records supported prior to Elliott V7.4 are actual ATP records. Actual ATP records refer to printed Purchase Orders, Sales Orders and Work Orders. They will correspond and match with the Item Qty Allocated or Qty on Order.

Firm: Firm ATP records refer to a PO Requisition, a PO that has not been printed, a Blanket PO/Sales Order, or a Work Order that has not been allocated. Firm ATP means

these records will become the actual ATP in the near future. These ATP records did not exist prior to V7.4.

Plan and Firm Plan: The Plan ATP records are created by the system automatically as a suggestion for a buyer or planner. Each time ATP is regenerated, the Plan ATP records are deleted and recalculated again. If a planner wants to keep certain Plan ATP records from being recalculated, the planner can make the plan record firm, and thus it is called "Firm Plan."

All ATP Related Features, like ATP Inquiry, ATP Report, Edit List and ATP Processing, will now prompt for the "Planning Type" to view or print. You can only select one Planning Type at a time. However, that does not means you can only view or print one Planning Type at a time. When you choose "A" – Actual Orders, then only the Actual ATP Orders will be displayed or printed. When you choose "A", the display and report will basically show you the same kind of ATP information as you knew prior to Elliott V7.4.

When you choose "F" – Firm Orders, both Actual Orders and Firm Orders will be displayed or printed. Since you can not predict future quantity without the Actual Orders, it is logical to display or print the Actual Orders with the Firm Orders. By the same principle, if you choose "X" – Firm Plan Orders, then Actual Orders and Firm Orders will be selected too. When you choose "P" – Plan Orders, then all Plan Types will be included.

The Three Lines of ATP Inquiry and Report

In Elliott V7.4, the ATP Inquiry screen and Report can display four zones separated by the following three lines:

(A) Today Line
(B) Lead Time Line
(C) Lead Time + Planning Period Line

These three lines will always be displayed on the ATP Process screen. They are optional to display on the ATP Inquiry screen and to print on the ATP Report, based on values in the Global Setup for ATP._If you do not setup Planning Lead Time(Item File) and Planning Period (Global Setup), then Line (B) and (C) will not be meaningful. Therefore, we suggest you set them up as part of the first step of configuring ATP.

Any ATP data before Line (A) is internal data maintenance issues. For example, if there is an outstanding PO Line Item Request/Promise Date showing 10/01/07 and today's date is already 10/15/07, it is obvious you cannot count on this 10/01/07 date since that date has come and gone and you have not received the goods yet. In most situations, this is because your organization lacks an internal mechanism to follow up with the vendor to get a revised estimated date of arrival. In order for ATP to work and provide valuable information, we must make sure the date is accurate. Therefore, any ATP records displayed before Line (A) – Today Line is an indication that those records should be

revised. This Line (A) provides better visibility for management to spot problems and effectively direct the staff to follow up with their work in a timely manner.

Line (B) is the Lead Time Line. Every item can have a different lead time based on the Planning Lead Time (not the Lead Time field) set up in the Item Master file. For example, if you place a purchase order with the default vendor for Item A and that vendor is overseas and it takes 60 days for the goods to arrive at your warehouse, counting their preparation, production time, plus the shipping, then the Planning Lead Time will be 60 days. If you have a negative quantity balance before this 60 days line, it means there is a serious situation for you to look into. You won't be able to solve the problem by simply making an additional purchase because it will arrive too late, based on the Lead Time principle. There may be other ways to solve the problem, like shipping via Air Cargo (which will increase your freight cost) or calling your customers to get their permission for late shipments. If the problem still cannot be resolved, they should cancel the order. If there is any negative quantity between Line (B) and Line (A), then it is considered "Past Due." So we call this area the "Past Due Zone."

Line (C) is the Lead Time + Planning Period. Planning Period refers to how often the buyers or planners will review an item to make a purchase decision. If the buyer will review it on a weekly basis, then the Planning Period is 7 days. If the buyer will review it on a bi-weekly basis, then the Planning Period is 14 days. This is a flag to be set up in ATP Global Setup. If you have a planning period of 14 days, with the previous example of 60 days lead time, Line (C) will be 60 days + 14 days. Any negative quantity between Line (C) and Line (B) are called "current affairs," because the buyer and planner should take care of it now. If the buyer and planner do not take care of it now and wait for the next review (14 days later), then it will be late. For this reason, we call this zone the "Current Zone."

ATP records after Line (C) are called Future ATP Records. If there is any negative quantity balance in this future zone, the planner can either take care of it or ignore it for now since we have enough time to respond when we review it again next time (14 days later, in the previous example). You may not want to replenish future zone shortage items because things can change and the customer might cancel the order. While your customer may be able to cancel your order, you may not be able to cancel your PO with your vendor once their production is in motion and you eventually end up with the extra inventory. In many situations, you want to wait until the last moment to issue a purchase order with your vendor.

ATP Processing

ATP Processing is designed for the planner or buyer of an organization to allow them to make adjustments to the Plan Orders or elevate a Plan Order to a higher level, like a Firm Order or Actual Order.

Adjustments to Plan Orders may mean: Change Quantity; Change Date; or Consolidate Multiple Plan Orders into One.

If planners agree with the Plan Orders created by the system, planners have two choices: create PO Requisitions or create BOMP Work Orders, depending on the type of items on the Plan Order. For purchased items, the choice is to create a PO Requisition. For manufactured items, the choice is to create a BOMP Work Order.

Create PO Requisition: PO Requisition is the pre-processing for Purchase Order. Creating purchase orders directly from ATP Processing would produce many small purchase orders with only one line item and may not select the best vendor. So, PO Requisition provides a middle step to shop for different vendors and adjust the price, quantity and date. Once everything is confirmed, the PO Requisition can create the purchase orders by vendor with the combined items and quantity. The planner can directly update the Requisition transaction or delete it. They can also change the Requisition transactions back to Plan Orders. However, once the Requisition becomes a Purchase Order, the planner can only change the Purchase Order through Purchase Order change processing.

Create BOMP Work Order: The planner can change the Plan Orders directly into Work Orders. When a Work Order is created, the planner still has a lot of flexibility to change it directly in ATP Processing. The planner can determine if the Work Order should be Allocated (Actual Order) or not Allocated (Firm Order).

Reschedule or Adjust Work Orders: One shortcoming prior to Elliott V7.3 was Work Orders could not be easily adjusted once they were created. With Elliott V7.4, the created Work Orders can be deleted, changed or converted back to Plan Orders easily in ATP Processing. Once a Work Order is printed it is protected from changes in ATP Processing, however the planner can cancel the printed Work Order. "Cancel" does not mean "delete the work order," it simply means to flag the Work Order as if it were not printed, allowing the planner make any changes as needed.

ATP Netable Location

A new flag, "ATP Netable Loc" has been added to I/M Location File Maintenance. By default, this flag will have a "Y" value. The purpose of this flag is to exclude the inventory quantity of miscellaneous warehouse locations like "Defect" or "Service," which can not be considered as general inventory.

Some reports (like the Stock Status Reports) now offer the option to print "ATP Netable Location Only?" For Stock Status Inquiry, based on the Global Setup flag "Only Show ATP Netable Loc in Stock Status Inq," the system could exclude the Non-Netable Location's inventory quantity when a user chooses "All" locations. ATP Inquiry and Report, by default, will skip locations that the "ATP Netable Loc" flag is set to "N," unless the user specifically requests that single location.

Job Number Support

A Job Number selection criterion is introduced in the V7.4 ATP Inquiry and Reporting functions. If you utilize the Job Number function to control your purchasing, sales and production, you can zoom in on the ATP data by a particular Job with ATP Inquiry, use

F4=Show Job to select by Job No (To use this feature, you need to turn on flag 22 in Global setup, ATP). For the ATP Report by Items, enter a Job number in field "16. Print Job No". A Job Number can be a customer, a contract, or even a PO. The COP Job Number literal is user definable in Elliott V7.4

Existing MRP and MS Users
Elliott users who currently use MRP (Material Requirement Planning) and MS (Master Scheduling) can continue using these two modules, however it is our opinion that the new ATP functions in Elliott V7.4 are easier to use and we suggest users migrate to the new ATP features.

Material Work Order

The BOMP (Bill of Material and Production) module has been greatly improved by the introduction of Material Work Order. There are now two different types of work orders supported in Elliott V7.4, "Material Work Order" and "Legacy Work Order."

"Legacy Work Order" refers to the original BOMP work order. It provides an easy way of entering production work orders and back flushes the materials at time of production reporting or printing of the work order (with WIP option). The main weakness of the Legacy Work Order is it does not have the ability to capture the bill of materials per work order. If you change the bill of material structure and have outstanding Work Orders in the process of production, based on the previous bill of material structure, you will have an integrity issue.

In addition to the "capture of bill of material" issue, when the work order is completed and the material is back flushed, there is no way to report any variance. Variance can happen when there is a defective component or simply production waste. Variance can also happen if there is a substitution of components. In the past, this type of variance was typically handled by a manual adjustment through I/M Inventory Transaction Processing.

Material Work Order is designed to address the shortcomings of the Legacy Work Order. Not only will it capture the bill of materials when the Material Work Order is created, it also allows the user to change the copied bill of material if necessary. Upon production completion, the user has the flexibility to report variance of quantity, as well as substitute different components. Since this new type of work order offers total flexibility with component materials, we call it "Material" Work Order.

Material Work Order is a super set of Legacy Work Order. Therefore, the default choice now is to create a Material Work Order. We are still supporting the Legacy Work Order for backward compatibility. Most of the menu choices in BOMP Processing now have two choices, "Material Work Order" and "Legacy Work Order." At this moment we do not support the WIP option with Material Work Order. Therefore if you need to use WIP, you will need to continue using the Legacy Work Order.

Warehouse Receiving & Import from CSV

Warehouse Receiving was an add-on feature before Elliott V7.4. We are now releasing Warehouse Receiving as a general Elliott feature. Traditionally, most companies have the office personnel enter PO receiving transactions. Warehouse Receiving has some advantages over the Legacy PO Receiving functions in the following ways:

(1) Warehouse Receiving is simplified and allows scanning operation. No G/L account entry is needed and cost fields are skipped by default. This makes the Warehouse Receiving function ideal for the warehouse operator. In our opinion, this will speed up the receiving process and improve productivity and accuracy.

(2) Warehouse Receiving offers an Import From CSV File option. If you are an importer, most likely your overseas vendors can provide you with container details in a spreadsheet format as soon as the ship departs the port. This data can be imported into Warehouse Receiving Transaction tables to save you data entry.

Warehouse Barcode Receiving Operation

Some users have already used the Elliott Warehouse Receiving, with great success, to receive items by scanning the UPC barcodes. Typically, they will have the warehouse setup with Wi-Fi devices. Since covering the entire warehouse with Wi-Fi can be expensive, some only cover the receiving area with Wi-Fi by purchasing a single wireless router. A notebook or tablet PC is used to run Elliott in the warehouse and the users will either carry the computer with them or set it on a small cart and move around the warehouse. The barcode scanner will connect to the computer's PS/2 or USB port by wire. For ultimate flexibility, the scanner can connect to the computer through another wireless connection. This type of scanner is typically not expensive and does not have a screen or keypad, since they are simply a keyboard wedge scanner.

Keep in mind the notebook computer is not limited to run Warehouse Receiving. It can be used to run any Elliott application, like Shipping Verification, Physical Count, Inventory Transfer (especially for Multi-Bin operations) or simply Stock Status Inquiry. Throughout the Elliott application, wherever the system prompts for an item number, the user can scan the barcode item number (like the UPC, GTIN or Manufacture Item Number) and the system will convert it into the Elliott Item Number.

Warehouse Receiving and Goods on Ocean ATP Visibility

In Elliott V7.4, both Legacy Receiving and Warehouse Receiving transaction quantities will be displayed in PO Inquiry and in the F5 window of the PO Line Item Maintenance as pending. Both can work with the Vessel file for batch control. If you change the vessel arrival date, all corresponding receiving transactions' scheduled receiving date will be changed as well (and reflect in the ATP details). Users can enter the receiving transactions in advance and place the vessel on hold for posting. In addition to the visibility of the PO data showing on the ATP, the un-posted (on-hold) receiving transactions will now show up on the ATP to give customer service better visibility of the goods on the ocean. This On Ocean ATP information will have a much more accurate arrival date than those ATP transactions for a PO.

Therefore, if you are an importer, you can consider importing the spreadsheet data provided by your overseas vendors as warehouse receiving transactions. This will give the Goods on Ocean ATP visibility to customer service. Upon the actual arrival of the container, you can let the warehouse personnel verify the already imported receiving data against the actual receiving. If it matches, then release the vessel and now you can post the warehouse receiving transactions. We believe this is a much more streamlined, productive and informative receiving method.

CSV Files Import Features

Elliott V7.3 had the capability to import several CSV Files:

- Future Price & Price Code Import
- Physical Count Tag Import
- Customer & eContact Import
- Customer User Defined Fields Import
- Add-on Sales Item Import

With Elliott V7.4, we are supporting the following additional CSV imports:

- Attribute Import
- Cash Receiving Import (Details & Summary)
- Warehouse Receiving Import
- New Item Import
- Item User Defined Fields Import
- Bill of Material Product Structure Import
- Kit Item Structure Import
- PO Requisition Import
- PO Line Item Change Import

In addition, the Physical Count Import now supports serial numbers.

We expect to add more CSV import functions in the future so mass data can be edited through a spreadsheet before it is imported into Elliott. Since editing data in a spreadsheet is extremely flexible and productive, our intention is to leverage the spreadsheet application as a way to input data into Elliott.

Cash Receipt Import (Details & Summary)
We support two types of CSV formats for Cash Receipt Import: Detail and Summary.

Detail Cash Receipt CSV Format: Detail means the CSV file contains the check and apply-to invoice information. In Detail format, the customer number field is optional since the system can reference it based on the apply-to invoice number. If the customer number is provided, it will be used for cross checking to ensure data integrity. The Detail CSV Format can be used for, but not limited to, the following type of scenarios:

(1) **Lock Box**: The customer payments are sent to a lock box and your bank will perform a cash receipt on your behalf and send you the data in electronic format.

(2) **High Volume Customer**: A high volume customer, like Wal-Mart, may pay a thousand invoices with one check and the check and invoice information is available in a spreadsheet.

Summary Cash Receipt CSV Format: Summary means the CSV file only has the check information, without the apply-to invoice. The Customer Number must be provided in the CSV file. The Summary CSV Format can be used for, but not limited to:

Self Scanning Checks and Clearing: Many banks have begun providing high volume, premium customers with an in-house scanner and OCR software for scanning checks. The checks clear much faster than the conventional way of depositing checks into the bank. The scanning OCR system can usually provide CSV data to speed up the Elliott Cash Receipt Import.

Since the summary CSV file does not contain all necessary information for a cash receipt, the import is to speed up the cash receipt data entry, not to totally automate it. The user will still need to perform the cash application.

As part of the Cash Receipt Import improvement, Elliott V7.4 now supports batch ID and cash receipt transactions can be printed and posted by batch ID.

Warehouse Receiving Import

This was an add-on feature before Elliott V7.4. We are now releasing it as a general feature. For more details, please refer to the Warehouse Receiving and Import from CSV section in this document.

New Item Import

This is an add-on feature. Elliott had a New Item Import feature before Version 7.4 that supported a fixed length ASCII file. In Elliott V7.4, we are adding support for a CSV file. Only Item Number and Item Description fields are required. All other fields are optional and, if not provided, will assume a default value. The default value can either be the Elliott's default value when adding a new item or the value in DEFAULT-ITEM, if it exists.

The CSV Import option also supports copying a default value from another item. If the item you are copying from is a Kit, Feature or BOMP parent item, then its components structure can be optionally copied as well. A special feature will also make the copy from item as the only kit component if the copy from item is a regular item (not a kit or feature/option) and the copy to is a Kit item.

The CSV Import option can also automatically assign UPC codes upon importing new items.

Item User Defined Fields Import

This utility is used to update the Item User Defined fields and descriptions. This includes Item Note 1 – 5, User Amount, User Date and Item Description 1 and 2. The utility can also be used to add or update UPC codes. If any of the Item Notes 1 – 5 are used for the

UPC code, the system will validate the import value and assign a check-digit, if necessary.

Bill of Material Product Structure Import
This is an add-on feature. This utility can be used to either import a new product structure or modify an existing product structure. Modifying an existing product structure may cause a quantity allocation integrity issue, if the parent item already has activity. Since this problem can be easily resolved through the Reset Qty Allocation utility, the import utility will only give a warning message when this happens.

Kit Item Structure Import
Like the Bill of Material Product Structure Import, this is also an add-on feature. This utility can be used to either import a new kit structure or modify an existing kit structure. Modifying an existing kit structure may cause a quantity allocation integrity issue, if the parent item has activity. Since this problem can be easily resolved through the Reset Qty Allocation utility, import utility will only give a warning message when this happens.

PO Requisition Import
You can consider the PO Requisition function as a pre-Purchase Order process. Buyers and Planners can enter items that need to be purchased into the requisition transaction file first. Once the item quantity, price, vendor and date have been confirmed, the user can post the requisition to create the purchase order. The PO Requisition Import from CSV will allow Buyers and Planners to enter the requisition transactions into a spreadsheet, import the spreadsheet data to create a requisition and post the requisition to become a purchase order.

PO Line Item Change Import
This is an add-on feature. This utility can be an important link in the supply chain management where a purchase order is issued to your vendor and your vendor responds with revised dates and quantities. If your vendor can provide the revised data in a spreadsheet format, then you can import the data into Elliott and revise the PO line item quantities and dates without manual data input. Most fields in the PO Line Item Screen can be updated through this import utility. Once the import makes an update, you still need to print the changed PO to make the change take effect and establish a revision number.

Physical Count Import to Support Serial Numbers
In Elliott V7.3, the Physical Count Import did not support serial numbers. In Elliott V7.4, not only does the Physical Count Import support serial numbers, but the Create Count Tag and Physical Count Export utilities do as well. Depending on your barcode scanning capability, collecting serial number information may be tedious. For this reason, we support two types of serial number import and verification methods: (1) Total Physical Count mode; (2) Partial Physical Count mode. In the Total Physical Count mode, we expect the user to provide serial numbers for all serialized items. If this proves to be too time consuming for your situation, you may consider using the Partial Physical Count method where you only need to count the quantity of the serialized item. When

the quantity matches, then we assume the serial numbers match. When the quantity does not match, you will need to either reconcile the difference or provide the serial numbers in the import file. The assumption that the serial numbers match when quantity is correct is obviously a convenient one, but it is not totally correct. If you use this method, you assume the risk of not matching the serial numbers.

System Manager

Support PSQL 10

Beginning with Elliott V7.4, PSQL 10 is supported. PSQL 10 is needed to fully support Windows Vista. In addition, PSQL 10 provides 64-bit support, which improves the performance by greatly increasing the amount of memory the PSQL database engine can cache. For Elliott users who wish to use the Windows Vista operating system, they are advised to upgrade to Elliott V7.4 and the PSQL 10 database engine.

Display Locked Record Offending User ID

Prior to Elliott V7.4, the system would display the locked table and key when it was stuck in a locking loop. In Elliott V7.4, the system will also display the user who has the record locked so the offending user can be notified to exit the current operation as soon as possible, releasing the locked condition. System wide efforts have been added to reduce potential locking conditions. Overall, users will experience less locking conditions in Elliott V7.4. Even if a lock condition takes place, the user will know who will have the record locked, preventing the current operation from proceeding. No longer do they need to look up this information through PSQL Monitor or ask an administrator to do so.

Capture Printer Font in Printer Configuration

In Elliott V7.4, a user can add a printer configuration and associate it with a specific printer font. In the past, the printer font was selected by Elliott automatically for the best fit. If the user wanted to use a specific font, the user had to use font 99 to bring up the font dialog and manually choose the printer font each time. In Elliott V7.4, a checkbox "Specify a font", has been added to the Add Printer Configuration window (thru the Print Options Window).The user will be prompted for a font when this box is checked, which will be saved as part of the configuration.

Description Column in Print Spooled Report Manager

A new description column has been added to Print Spooled Report Manager. The data in this description column comes from the Deferred Processing Description or a manual entry by the user for each spooled report.

This feature will make the Print Spooled Report Manager easier to use since it now offers more information about a spooled report. For example, you may want to spool a Commission Due report for each salesman and email it to them. In the past, all of the spooled report entries would show up as "Commission Due Report," but you didn't know which report was for which salesman. With Elliott V7.4, you have the option to specify

which salesman the Commission Due Report is for upon setting up the deferred report or when you spool the report to disk.

To enable the description prompt when spooling a report to disk, each user can go to Setup Preference on the toolbar, choose the Print etc. tab and turn on the "Enter descriptions for spooled reports" check box. Once this is done, each time the user spools a report to the disk, the system will prompt for the description of the report.

Deferred Processing Completion Event
To ensure a deferred process that runs after business hours has completed successfully, new events are now supported that triggers when a deferred report has not finished in 4 hours, 1 day, 2 days, 3 days, etc. An administrator or deferred process operators can subscribe to such events to monitor any incomplete deferred process.

Deferred Processing also supports an event when there is a file access error. Therefore, an administrator can be notified when the deferred process has stopped due to a file access error.

Digitally Signed EL700*.exe
All Elliott EXE files are now digitally signed by Netcellent System, Inc. Starting with Windows XP SP2, users who run Elliott from a mapped network drive might be prompted with a security warning asking if they want to "run this software." In the past, the prompt would show the manufacturer as "Unknown."

The digital signature by Netcellent does not prevent the prompt from showing up. Rather, the prompt will simply show the software manufacturer as Netcellent System, Inc., so you can trust to execute the program. To stop this message from showing up, you will need to add the mapped drive server to your trusted Local Intranet zone (in Internet Explorer, choose Tools -> Internet Options -> Security tab).

Linking User to Buyer Code
A user can be linked to a buyer code in Elliott V7.4 Password Setup, similar to how a user can be linked to a salesman in this and previous versions. If a user is linked to a buyer, the linked buyer code for the user will be used as the default when a purchase order is created.

Export Processor
In Elliott V7.4, the new category "G/L Balance File" has been added to Export Processor. In addition, a comparison value is now supported for many system defined variables, like today, yesterday, beginning of the month, beginning of the year, etc. This will enable the Export Processor to handle repetitive tasks that need to be run daily or monthly. The export file path also supports company or user variables so the template can be defined in a central company and copied to others. A user interface has been added in the comparison value field to ease the process of adding the variables, including the database variables supported in the past.

Purge Control for COP Sales History Transaction File
COP Sales History Transaction File is now added to Purge Control. This is to prevent users from accidentally purging sales history transactions, which is now used in various areas of Elliott for history analysis. We recommend keeping at least two years worth of history in the Sales History Transaction file. The "Post & Purge" function has been removed and replaced with separate "Post" and "Purge" Functions. When a user chooses "Purge," the proper warning message will be given and the cut-off date will default to two years prior to the current date to keep two years worth of history.

Email Tracking in Elliott
To better support CRM (Customer Relationship Management), all emails sent through Elliott will now require a "Subject" line first. For example, when users click on the "Email" button in eContacts, instead of immediately executing the email client (like Outlook or Outlook Express), Elliott will first prompt for "Subject." Once the subject has been entered, the email client will pop up with the subject line filled. The entered subject will be recorded in Elliott's activity database and can be viewed through the eContact activity tab. In addition, this activity is also supported as an event. As a result, managers can monitor what emails have been sent by each user.

Serial Number Tracking
Elliott V7.4 Serial Number supports Notes, as well as the other five amigo features. There can be many applications for this improvement. For example, if a returned serialized item has a minor scratch and it can still be sold at a discount, you can now record notes for the serial number to indicate the condition, which can assist you with selling that item. Notes may be entered in COP, Inquiry, Invoice History Inquiry, Invoice inquiry by Serial/Lot No; I/M, Inquiry, Serial Stock Status Inquiry; I/M, Inquiry, Stock Status Inquiry to Drill down to Serial Stock Status Inquiry, and further to drill down to Serial History Inquiry. User can also access the Note window through the Serial Entry window. Furthermore, you can take a digital picture to record the condition of the item and attach it to the serial number using the link function. You can send your customer an email of that digital picture to help you communicate the condition of the item to the customer.

Accounts Receivable

A/R Distribution Report Enhancement
The A/R Distribution Report now supports the following addition selection criteria:

Starting Account
Ending Account
Starting Customer
Ending Customer

Copy Customer from One Company to Another
This feature has been improved to support the following:

(1) Override the customer if it already exists in the target company. This is to allow the address, phone number or other setup value changes in one central company to apply to other secondary companies.
(2) It will now copy the new or changed eContacts, Notes, Attributes and Links.

Accounts Payable

A/P Inventory Value Report (A/P, Reports, Distribution History)
This is essentially an Inventory Stock Status/Valuation Report from the A/P point of view. This information can be especially valuable if you use the Standard Cost method for Inventory Valuation. For example, your Auditor may want to compare the value difference between the item standard cost and the actual cost paid in A/P. This report will show the latest receiving to make up the current inventory and the associated A/P vouchers and checks. Variance between A/P and Standard Cost will be printed for each item; subtotal and grand total level should give the Auditor sufficient information to determine if the book inventory valuation is acceptable.

Comprehensive Cash Projection Report (A/P, Reports, Cash Requirement Report)
This cash projection report will analyze data in the A/R, A/P, COP and PO modules to project the future cash flow. Based on the Cash Account range, the system can first attempt to establish the beginning cash position by reading from the G/L account balance. The user can override this beginning balance. Next, the system can optionally read from the A/R, A/P and P/R distributions for any un-interfaced cash activities to adjust the G/L beginning balance. Finally, the A/R and A/P open items, the COP Sales Orders and the PO Purchase Orders are analyzed and project the cash balance in the four bucket period format (usually 30, 60, 90 and 120 days, but may be defined differently by the user). Manual adjustments are also allowed and can be used as a default for future printing. These adjustments can be recurring expense or revenue transactions or any additions that the user may know is not in the system.

Inventory Management

Inventory Aging Report
This is one of the most powerful reports we have introduced in Elliott. This report replaces Inventory Turn Over Report which is under COP Invoice History Report section. The inventory aging report can provide the current inventory data breakdown into multiple aging buckets, like 30, 60, 90, or over 90 days. The period is user definable in Global Setup and can be overridden at each printing instance. What makes this report so powerful is it can backtrack to provide past inventory aging data as of a certain date. Since the current inventory stock status report is not able to print the inventory value as of a certain date, this report can be a lifesaver to supplement the Inventory Stock Status/Valuation report, if you miss the month-end or year-end procedure. Since there was no easy way to obtain the Elliott inventory aging data in the past, many buyers may be in shock from disbelief when they see this report for the first time**.**

The report can be printed in detail, item summary or summary level: (1) **Detail** means for each item, the detail receiving that makes up the current inventory quantity balance will be printed. Since this can make the report quite large, you would normally not print in this format. You may choose this format to provide proof of the aging calculation. (2) **Item Summary** means for each item, the system will print one line. This makes the report size similar to the Inventory Stock Status report. This may be the common format used by most buyers or auditors. (3) **Summary** means you can print at summary level to get an overall view for managers to identify problem areas quickly. For example, if you print by Product Category sequence, the summary format means one product category per line.

This report can be sorted and summarized in many different ways including:

By Item
By Product Category
By Material Cost Type
By Buyer
By Location

The Inventory Aging Report can also be printed directly from Stock Status Inquiry or Component Availability Inquiry by pressing the F4 Key. In each case, the system will only print the aging information for the specific item inquired. The cost will not print if the user does not have security to see item cost.

Re-Order Level Calculation

The re-order level calculation has been improved so you can restrict the calculation to a certain product category or buyer range. This is in addition to the item number range, which was supported in previous versions. Once the recalculation is done, the previous re-order level value is written to "Last Re-Order Level" to preserve the previous value.

Customer Order Processing

Transfer Sales Order

A flag has been added to customer file maintenance, Transfer Customer. If this flag is set to "Y," the system will allow input to the "Transfer To-Loc" and "Transit Days" fields in the customer file. The idea is to set up your remote warehouse location as a customer record. Instead of using "I/M Inventory Transaction" or "I/M Inventory Transfer" to transfer the inventory, you can use COP Sales Order to transfer inventory. Many organizations may wish to make the transfer process just like the regular COP shipping process, due to their shipping operations being tied to Picking Ticket, Shipping Verification, Starship, Packing Slip and Bill of Lading.

When you enter a sales order for the transfer customer, the sales amount will be forced to zero (since this is an internal transfer). Even though the invoice posting will not update sales and cost of goods sold, you may optionally enter freight or a miscellaneous charge if cross division profit center billing is applicable.

The proper invoice, as well as other historical databases, will be updated so you can track the details of what has been sent to a location. Since most of the invoice history reports are used for sales analysis, they will exclude transfer orders. The Invoice History Edit List and Invoice Summary reports have options to include transfer orders or print transfer orders only.

Pickup Process

A new flag has been added to A/R Ship Via Code maintenance, Create Pickup Record. If this flag is set to "Y", you will also need to enter a customer number. We suggest setting up a dummy customer, perhaps "PUPEND", to stand for Pickup Pending. This customer number is only relevant for serialized items. Separate tracking records will be created for COP invoices posted with this Ship Via Code so the customer can pick up the merchandise at a later time. A separate menu item, Pickup Process, has been added to the COP Processing menu. In the pickup process, users can print a pending report of all the items waiting to be picked up. Users can also use the pickup process user interface to print a pickup form identifying the items pending for customer pickup. This form is identical to the invoice form. The items that show on this pickup form can be controlled by I/M user defined code setup. Users can use the same user interface to indicate the items for the invoice have been picked up and remove the invoice from the pending list.

Additional Fields Supported on Invoice

Fields 85 to 99 have been added to the Invoice Form Setup for Invoices, as well as Laser Order Acknowledgements, Laser Quotes and RMA Acknowledgements. They are as follows:

- Item Unit Price: This is the Unit Price in the Item master table, not the unit price in Order Line Item. This may be used to show customers the list price of the item.
- Net Unit Price: This is the Order Line Item Unit Price minus the line item discount percent.
- Total Item Unit Price: This is the total order sales amount calculated based on the Item master unit price. It can be used to show customers the total sales amount based on the list price (item master unit price).
- Total Discount Amount: This is the difference between Total Item Unit Price and Order Total Sales Amount (after the discount). It is intended to show customers the discount amount they saved from the list price.
- Terms Due Date: This is the due date of the invoice based on the invoice terms and invoice date. This field is not supported on the Order Acknowledgement, Quote or RMA.
- Terms Disc Date: Similar to the previous field, this field is the date that the customer can pay the invoice with a discount if the term is applicable. If the term is not applicable, this field (including the literal portion) will not be printed.
- Terms Disc Amount: Similar to the previous field, this field is the discount amount that customer can deduct if the invoice is paid before the discount date. A global setup flag "16. Print Disc Amount or Net Amount After Disc ?" in Invoice

Printing can determine if this field shall represent the "Disc Amount" or the "Net Amount" after terms discount.

- Item Note 1 – 5: These fields can often be used to print the UPC code, Manufacturing Item number, or any special information that you need on the invoice for that item.
- User Defined Field 1 – 3.

Expanded Laser Invoice Format

A new laser invoice format template (form number 90) has been added in Elliott V7.4 to support 110 column printing in portrait mode. This expanded laser invoice format is easier to read than the 80 column format. To use it, select COP -> Util-Setup -> Invoice Form Setup -> Reset -> Expanded Laser Invoice. This will create invoice form 90 in the 110 column format. Then you will need to go to COP -> Util-Setup -> COP Setup and change "14. Default Invoice Form" to 90.

During invoice printing, in the print option window, you should choose "Options" and "Edit Form". In the Elliott Laser Form Designer, you should choose "Import" and import the Laser Form template "CPINVPRT.F90", which should have been installed into your \Elliott7\Forms directory with the V7.4 update.

Once the laser form template 90 has been imported, you should choose laser form template 90 from the invoice print option window. You will need to do this for all workstations that print invoices. Since the system defaults to the last laser form template used, Elliott will default to form 90 for future printing.

Multiple Salesman Default Commission Percent

Even though the COP Order Entry supports up to three salesman codes, only one could be defined as the default from the customer or ship-to salesman. In Elliott V7.4, you can now define each salesman code default value in Global Setup, cop-Func, Order Header Screen. For example, you may specify the first salesman default value to be the customer/ship-to salesman and the second salesman to be the user who enters the order. You can also define the commission percentages, so the first salesman could be set to 60% of the total commission and the second to 40%.

Sales Desk Enhancement

Sales Desk only supported one salesman field in the past. We can now optionally support the 2nd and 3rd salesman in Sales Desk by turning them on in Sales Desk Global Setup. The default commission percentage split is defined in the same way as the regular order header salesman commission split.

Sales Desk also supports more POS (Point of Sales) operations now:
(1) It supports the "Quick Scan Mode," which means as each item is scanned (or entered), the rest of the fields will be skipped (quantity assumed to be one or the scanned package quantity, and the price assumed to be the default price) and the item is added to the order. This is the desirable operation if you use Sales Desk for point-of-sale (POS).

(2) The invoice can now be printed in silent mode (without asking the invoice date or if the invoice was printed OK).
(3) Cash Drawer support has been added for device connected LPT1-LPT3, COM1 and COM2. Two type of open codes are supported at this moment: Hex 07 (Bell) and Hex 1C.
(4) You can now set up a default customer for sales desk in Global Setup for the cash customer purpose.

Customer Order Inquiry by Customer PO#
This is a new inquiry function so customer service can inquire sales orders by the customer's purchase order number. This feature is especially important for servicing chain store customers where a PO is typically placed for many stores. Since Elliott requires a sales order for each unique ship-to (store or distribution center), inquiring by the Elliott sales order would limit the user from seeing the entire PO activity. This feature resolves this problem by allowing you to see the entire PO and drill down by Sales Order (Store or DC) or by Item. This inquiry function will show purchase orders that are outstanding and those that have been processed (shipped and invoiced). The data can also be exported to a spreadsheet format based on your user definable setup in the export process.

COP Job Number Field Name User Definable
The COP Job Number field is used by many users for different reasons. Some of them use it to track the mail order catalog number, some to track the order process status and some to keep track of the source of the order. Now we allow the Job Number literal to be user definable so users can specify the literal of Job Number in Global Setup, cop-Func, Order Header Screen to reflect the Job Number's real meaning.

Support Cancel Picking Ticket to Back Order at the Same Time
When an order can't be shipped for some reason (maybe due to items being out of stock), the printed picking ticket should be canceled until the order is ready to ship. We are now supporting the process of canceling the picking ticket and back order it at the same time.

Line Item Cancel, Close, Short Ship or Delete Control
In the past, when users changed the Qty Order to zero in COP Line Item, it meant the line item would be deleted. Now if you do so in Elliott V7.4, the system will ask to clarify if your intention is to:

Delete the line item
Cancel the line item
Close the line item

Delete usually means you made a data entry error and the line item should be deleted.
Cancel means the customer changed their mind and they no longer want this line item. In that case, Elliott keeps the line item for audit analysis and marks it as "Canceled."
Close means you are not able to deliver this item. Elliott keeps this line item for audit analysis and marks it as "Closed." By retaining the "Canceled" and "Closed" line items, future analysis can be done for these items.

In Elliott V7.4, users can also "Short Ship" a line item, even if the line item is backorderable. For example, if a customer ordered 10 each of Item A and we decide we can only ship them 7, normally the Qty Backorder becomes 3. Upon shipping the 7 and posting the invoice, the 3 become the balance of the order. In some situations, we may decide not to keep the 3 as backordered (i.e. to make 3 out of stock). If the item is set to "not backorderable," then this will happen automatically. Items that are backorderable, the user may optionally press the F3 key at the unit price field to make the 3 as Out of Stock instead of Backordered. Upon the posting of this line item, it will be closed out automatically. The user may not want to enter the Quantity Ordered as 7 because (1) The correct quantity ordered should be entered for documentation purpose; (2) The stock situation may change and you may be able to fill the full order quantity before the shipping date.

In Elliott V7.4, we can also mass close out an item by changing the item status code from "Active" to "Obsolete." The system can prompt the user to close out all of the outstanding COP line items**,** depending on the value for "Close COP Line Item When Item Become Obsolete" in I/M Global Control.

Support Credit Memo for Kit & Feature/Option Items

Prior to Elliott V7.4, when a user issued credit memos for Kit & Feature/Option Items, the components would not be returned to inventory. Typically, the user would use Inventory Transaction Processing to adjust the quantity. Elliott V7.4 introduces global setup flags in the "Order Line Item Screen" to optionally allow the user to return components for Kit & Feature/Option Items in the order entry line item screen. If the flag is set to "Y", then the Kit or Feature/Options window will appear in the order entry line item screen as the user enters the credit memo with a quantity returned greater than zero and allows the user to enter the components returned.

Staging Slip Improvement

The Staging Slip (also called Wave Pick) window is expanded and allows editing. In addition, the user can now enter both COP sales orders and BOMP work orders into the staging slip window. This can be handy if some sales orders require assembly (Work Order).

Release Held Orders Improvement

The Release Held Orders function has been improved with the following:

(1) Optionally (found in Global Setup, Cop-Ctl, Credit Check & Release) prompt for Shipping Cutoff Date: This is to allow the credit manager to filter out the future ship orders.

(2) Optionally (found in Global Setup, Cop-Ctl, Credit Check & Release**)** prompt for Terms Code: This is to allow setting up multiple teams based on terms. The terms entered will be retained by workstation. So once the terms are entered for the first time, the same terms code will be used by default until overridden.

(3) Display both Bill-to and Ship-to info of the order.

Sales History and Stock Analysis Report For managers who wish to make a purchase decision based on past sales history information, the sales history capture in Item Master (i.e. Sales PTD, YTD, etc.) is not flexible enough. This report allows users multiple selection criteria by Date Range, Customer Type, etc. to provide a better analysis tool.

In addition, this report combines sales history with the current stock information to conveniently give the buyer information to decide replenishment quantity. Some information on this report can be customized through Global Setup. In addition, this report can be exported to a CSV file and launched into a spreadsheet so users can apply their own formula to determine the purchase quantity. User can find this report under COP, Processing, Sales History Trx Processing, Report.

Order Status Report Improvement

Order Status Reports are improved in the following ways:

(1) Allows selection by Starting and Ending Product Category.
(2) Allows the report to be sorted by Product Category (in addition to being sorted by Customer and Item Sequence).
(3) Allows selection by Purchase or Mfg. Item.
(4) Various formats (Detail, Brief and Summary) supported, depending on the sort sequence.

Invoice History Report Improvement

Invoice History by Item now supports sorting by Line Item User Defined Code when field "12. Format ?" value is "S" (summary). The User Defined Code is often used as a credit memo return reason code. In addition, the invoice history by item summary report allows selection by Invoice type. This may be useful for analyzing credit memos to negotiate with vendors.

Invoice History Edit List and Summary now support Starting and Ending Customer Number. In addition, if the starting and ending customer number are the same, the system will utilize the invoice header customer key to improve performance.

Price Code Improvement

(1) New fields have been added to record the price code last change date, source program for the change, and changed by which user. This is to identify the party responsible for pricing changes.
(2) Introduced a new flag in Price Code File Maintenance to allow "Ignore Customer Discount %." When certain price codes are configured, it may be heavily discounted and the user may not want to apply the additional discount percent as defined in the customer file maintenance.

Sales Order Import Improvement

Sales Order Import now supports Feature and Kit Items. In addition, Sales Order Import now supports Batch import. You can import multiple files at the same time by using a wildcard with the file name. This feature has been added to better support Softshare's ECS, making the EDI import process more automated.

Sales Order Export Improvement
Unlike V7.3, the Sales Order Export function is now a printing function so it can be run through deferred processing making the EDI process further automated. In addition, the export file name can be defined in the individual customer EDI profile. This is to support integration with Softshare's ECS for better automation.

Purchase Order

PO Receiving to Create AP Invoices
Starting with Elliott V7.4, any receiving transaction with "Inv/Doc Number" will be able to create an A/P Invoice automatically. The "Inv/Doc Number" can be either the vendor's invoice number, if available, or Packing Slip Number (Bill of Lading Number). Upon posting the PO Receiving Transactions, records will be added to the Pending A/P Invoice database. When the actual invoice is received, the A/P person can inquire this pending database and select the receiving transactions grouped by vendor number and Inv/Doc Number. Most of the information should match based on the PO receiving. Users may only need to confirm the invoice number and invoice date and the A/P Voucher will be created instantaneously. If there are any discrepancies, the A/P person can use the provided user interface to easily adjust it with variance distributions and create the A/P Voucher.

Some features were added in the past to speed up A/P voucher data entry for invoices related to the PO receiving, but they tended to have certain limitations. This new process will greatly improve the A/P Voucher data entry for invoices related to the PO receiving.

PO Close Process
Before Elliott V7.4 you could flag the PO as closed, however nothing really happened until you purged the closed PO. Still, the quantity on order and ATP details would appear in the system. Since most Elliott users were reluctant to purge the closed PO, the PO close process was not very functional.

In Elliott V7.4, we have addressed many Close PO issues:

(1) You can now close a PO at the individual line item level. This gives you a lot of flexibility since the entire PO does not have to be closed. In addition, when a PO Line Item is closed the Quantity on Order and ATP details will be reflected in real-time, even though the closed PO Line Item has not been purged. Flexibility extends further by allowing the user to unclose the line item if closing was a mistake, restoring the line item back to its original state without any consequences. This function will give you much more control over the PO quantity in advance when the goods are on the ocean. As discussed previously with the new ATP, when goods are on the ocean you can input (or import) the receiving transactions and put them on hold. This will result in the pending receiving showing up in ATP to help customer service identify the goods on the ocean. This can assist you with making the decision of whether the balance

quantity on a PO should be closed or not. You may close a PO line item even though there are receiving transactions for that PO line item.

(2) A new batch utility allows users to close the PO Line Items based on certain selection criteria. For example, you may choose to close all PO Line Items that are over three months past due. You can run a pre-view report to verify the line items before you commit to closing PO Line Items in mass.

(3) Similarly, a batch utility has been introduced to allow the user to close the entire PO based on certain selection criteria.

Create PO by Sales History

The F3 key has been enabled in the P/O Line Item Screen "1. Line No" field. Pressing the F3 key will provide up to two years of sales history breakdown by month, to assist the buyer with purchasing, in a popup window that prompts for the following selection criteria:

- Product Categories
- User Defined Codes
- Buyer Codes
- For Qty Available Less Than
- Show Item Qty on Order > 0
- Only Show Qty Available < Re-Order Level
- (Qty Avail/Last Year Usage) Less Than
- (Qty Avail/YTD Qty Usage) Less Than

Based on the criteria the user provides, a list of items will be displayed in the next list window. In the list window, as each item is highlighted, the details of sales/usage history of that item will be displayed. In addition, the user can drill down to stock status inquiry and further drill down to many other functions to obtain more details of this item. The information provided will assist the buyer with determining how many to purchase for each item. The buyer can simply indicate how many to order in the list window. Once the user is done editing the list window, they can simply exit by using the ESC key. The system will create the PO line items based on the quantity the user indicated in the list window.

A similar function exists in P/O Requisition Change Mode, Starting Item field.

Copy PO Function Improvement

This function has been moved to the PO Change Mode Purchase Order Number field. When users press F3, they may create a PO by copying from an existing PO. Once the PO is copied, the user will be in the change mode to make further changes if necessary. In addition, this PO Copy function has been improved to support copying the comments and notes.

Receive PO Parent Line Item's Components

This is a special enhancement for purchasing manufactured parent items. For example, you may wish to purchase all the components of a manufactured parent item from a

vendor (like your parent company) for assembly. It is mutually understood between you and your vendor the purchase is for the components, not the assembled parent item itself. You may use this feature by indicating "Y" to field 13 (Recv Comp) in the PO Line Item Screen and the ATP details will be created for the parent item. Upon actual receiving, the quantity updates will be made to the component items. To use this feature, you must turn on P/O Global Control "23. Allow to Receive Parent Item's Components in PO" and the PO Line Item must be a Manufacturing Parent Item as defined in Bill of Material Structure.

Vessel Processing Improvements
In the past, the Vessel file was used exclusively for Landed Cost calculations. In Elliott V7.4, the Vessel file function has been expanded: (1) The Vessel can now be used as the batch ID for the PO Receiving Process (both regular and warehouse receiving). The user can put a vessel on hold for receiving posting and print the receiving edit list and post the receiving by batch ID. (2) When a vessel's scheduled receiving date is changed, all corresponding receiving transaction's date for the vessel will be changed as well. This also updates the ATP details to reflect the up-to-date estimated arrival date. Since you only need to change the arrival date centrally in the vessel file, it saves you a tremendous amount of time from changing the date on the individual receiving transactions. (3) If users delete the vessel, all corresponding receiving transactions for the vessel will be deleted as well.

Purchase Order Inquiry Improvement
For Purchase Order Inquiry by Item, the system will now display the total PO Qty and Outstanding Balance to give buyers a quick summary view. In addition, for any un-posted receiving transactions (i.e. goods on ocean), the system will display their quantity in PO Inquiry as "Pending" quantity.

Print Both FOB and Landed Cost on Receiving Edit List and Posting Journal
Receiving Edit List and Posting Journal have been improved to reflect both Landed and FOB cost information. If you are using standard cost, the standard cost will also be printed on the edit list and posting journal. At each PO or Grand Total level, the total amount will be printed as well. This is to provide helpful information for the user to adjust G/L entries. This is especially helpful when the PO has to be prepaid or partially paid, which is not uncommon when doing business with overseas vendors.

Purchase Order Export
This is an optional add-on feature to support sending an EDI 850 from Elliott users to their vendors. If both companies use Elliott, they can transfer the PO from one to the other by using the Export, as well as the Purchase Order Import function.

Vertex® V4.0 Support

Vertex® is a national sales tax calculation and reporting solution for companies who need to report sales tax nationwide. Elliott provides an interface with Vertex® as a

vertical add-on solution. In the past, Elliott would interface with the Vertex L series V3.x. Starting with Elliott V7.4, Elliott will interface with the Vertex L series V4.x. If you were previously using Vertex with Elliott, you may need to convert your previous Vertex 3.x Registration File to the V4.x format (especially if you do not perform your Elliott V7.4 upgrade at month end). To upgrade the Vertex 3.x registration file, you can go to the Elliott Main Menu, Util-Setup, Vertex Interface and Importing, and choose "Convert Register File."

Areas Requiring Attention When Upgrading to V7.3 and Higher

If you are upgrading from pre-Elliott V7.3 to Elliott V7.4, you should be aware of the following:

Turn on PO Receiving Accrual Reconciliation

Even if you are not going to use PO Receiving Accrual Reconciliation, it is suggested that you turn on this feature by going to Global Setup -> Acct -> A/P Global Control and answer "Y" to the following question:

2. Use Rec Accrual Account Reconciliation

The database created for Receiving Accrual is useful in many areas and is not limited for receiving accrual reconciliation.

Standard Cost Variance

If you are using standard cost method, please pay close attention to this new feature. The system now supports both Purchase Cost Variance as well as Standard Cost Variance. Standard Cost Variance is the difference between Standard Cost and Receiving Cost. Standard Cost Variance is created during PO Receiving (the same principle applies to Landed Cost Variance). The receiving accrual is created from the receiving cost. Purchase Cost Variance is the difference between Receiving Cost and Invoice Cost. Purchase Cost Variance is created during the AP Voucher Process. This behavior is different from previous Elliott versions because (1) There was no differentiation of Standard Cost Variance and Purchase Cost Variance in the past and everything was lumped into one Purchase Cost Variance Account; (2) The receiving accrual was created from the standard cost; (3) The variance was created through the AP voucher process only.

In I/M Material Cost Type Location Account File, you may see the "Standard Variance" account now if you are using standard cost. You may leave it blank, which implies your standard variance account is the same as the purchase variance account. In the same maintenance screen, you may decide whether you wish to "Use Standard Cost Variance." In most situations, you should answer "Y." You may answer "N" for certain material cost types where your standard cost is zero. This may be, for example, expense items like manufacturer tooling where it is not a real inventory item, but you may want to keep them in your item master to track their quantity.

In the past, Elliott did not create standard cost variance for any item where the standard cost was zero. In Elliott V7.3 or higher, if you do not wish to create standard cost

variance you must define this in the material cost type location account file and answer "N" to "Use Standard Cost Variance."

What's New since Elliott V7.2

Customer Relationship Management (CRM)

CRM and beyond

The center of Elliott's Customer Relationship Management is eContact. eContact is an extension to the Customer database, as well as Vendor, Employee, Salesman, Sales Orders and Purchase Orders databases. The nature of the eContact database is generic. It can be used not only for CRM, but as well as for vendor management, employee relationship management, etc. Although we identify eContact as a CRM feature to make it easy to understand, the ability of eContact is not limited to CRM.

Mass Email Is Now Called eContact Processor

In Elliott V7.3, we have greatly enhanced the ability of the Mass Email program and it is no longer used for Mass Email only. To match its name to its capabilities, we are renaming it to "eContact Processor". It is intended to supplement "eContact Manager" and may possibly replace it.

Even though "eContact Manager" is a powerful tool, we found it lacks the ability to filter and export data. These two areas happen to be the strength of Mass Email (& Export Processor). On the other hand, the capability in "eContact Manager" to secure customer data by salesman and drill down to eContact detail is not in "Mass Email". Therefore, we decided to incorporate the security features in "eContact Manager" with "eContact Processor" (Mass Email), as well as its twin, "Export Processor". eContact & Export Processors are now the center of Elliott's CRM solution.

"eContact Processor" will now be used as a way to select contacts to follow up (where eContact Manager lacks this ability). You may follow up selected contacts by either calling or emailing them (mass Email). You can mass add attributes for the selected contacts as a way to create a marketing campaign and to collect campaign information. You can also export the contact list to a spreadsheet for other processes (i.e. create a fax blast list). To help you with the marketing campaign, the selection condition and export specification can be saved into a template for reuse in the future.

Salesman Security in eContact & Export Processors

The salesman security feature is also introduced to eContact and Export Processors so salesmen can only see their own customers' data. Export processor can also be used as a report writer and let salesmen write their own report without the concerns of a salesman seeing another salesman's customer data. You can now empower salesmen by letting them have crucial information at their finger tips without compromising security.

Support Fields Comparison in eContact & Export Processors Selection Tab
In V7.3, you can compare one Elliott field to another in the Export Processor Selection criteria. For example, you can select customer records that have a credit limit less than the account balance. You would specify the account balance in the comparing value field with the following:

@@arcusfil.cus_balance@@

In the previous releases, you could only compare to a value and not to another field.

Batch Process in eContact & Export Processors
Batch processing capability is also introduced for eContact & Export Processors. For the rep that does not know how to set up and use templates, the IT person can set up the template for them. The rep only needs to click on a desktop icon (shortcut) to get their followup user list.

More Categories Are Supported in Export Processor
More categories are added to Export Processor to cover the important master table in each module:

- G/L Transactions
- I/M Available to Promise (ATP)
- I/M Inventory Trx Audits
- P/O Receiving Audit Trails
- BOMP Work Orders
- BOMP Product Structures

Since Export Processor is easier to use than a report writer and it supports Elliott user security, you should consider giving access to Export Processor to users as a supplement to or replacement for a report writer.

Customers and Contacts Import Utility
One of the missing features in the past for the Elliott CRM solution was the ability to import customers and contact information from other databases like ACT, Goldmine, or a list purchased from a leads database provider or contacts collected through a trade show. In Elliott V7.3, we are offering this import capability with a great emphasis of preventing entry of duplicate customers and contacts.

Warehouse Management

One Step or Two Step Multi-Bin Process
The warehouse management capabilities have been significantly improved in V7.3. This is especially true if you use the Elliott Multi-Bin add-on solution. The Multi-Bin process can now be either a one-step or two-step process. In the past, Elliott Multi-Bin was strictly a one-step process. The issue with one-step processing is the person in the office needs to know which bin the item is going to be received to or shipped from, which in many cases only the warehouse knows. The extra burden of communication between the warehouse and the office slows down the multi-bin process and makes it more difficult.

Inventory Transfer Is the Center of Multi-Bin Processing
The optional two-step multi-bin process now relieves office personnel from entering bin information and lets the person who has the bin information (i.e. the warehouse picker) enter that information through the "Inventory Transfer" process. A new dispatch process is introduced in Inventory Transfer providing an easy-to-use user interface. The Transfer Ticket now comes with a pre-designed laser form template that supports item and bin barcodes. Data collection by the warehouse can be made much faster and more accurate by scanning barcodes.

A transfer between two warehouses can utilize the transit location. While inventory is in the transit location, it will show up in ATP as to be received to the To-Location warehouse. You may also utilize transit location for a transfer within the same warehouse which may be valuable in situations like "Outside Processing" for manufacturing.

Improved Bin Inquiry
With the Multi-Bin option, the Bin Inquiry has been significantly improved with a drill down option. You can now specify a range of bins and find out whether the bin is empty, half full, or full by looking at the weight, volume and quantity of that bin. When a user drills down to a bin, a list of items that are currently occupying that bin will show up. This screen is useful to find out to which bins to put away received items.

Bin Inventory Report
With the Multi-Bin option, the Bin Inventory Report is a new report that prints from the bin point of view and lists the items in the bin. You can also use this report to determine empty bins so users can decide which bins can be used to store received items. An option to block out the quantity information can be used to give warehouse personnel something to count when they are not busy.

Physical Count Import & Export Utility
Physical Count now supports editing the count tag information by exporting to a spreadsheet and allows importing a spreadsheet to update the Physical Count Tag File. Users can utilize the "Create Count Tag" utility to first create the count tag file and then export it to a spreadsheet to allow easier editing. With the ability to edit count tags in a spreadsheet, it greatly improves the time required for physical count data entry.

PO Warehouse Receiving
This is an optional add-on feature to allow faster PO receiving than the traditional receiving method. It is designed for the warehouse to perform receiving directly and the process is simplified by eliminating cost and accounting information. The warehouse may enter an item number (or scan the barcode of the received item, like the UPC code) and the system can help determine the proper PO associated with the received item.

Shipping Data Update
Shipping Data Update is a function that evolved from Tracking Number Update for Orders in V7.2. Now warehouse personnel can use this function to not only update the

shipment tracking number for the order, but they can also update the Shipping Date, Freight, Misc. Charge, Freight Pay Code, Shipping Instructions, Comments, Weight, Bill of Lading Number, etc. In the Global Setup, the administrator can turn off and on each one of these fields based on your security policy.

Many organizations do not allow the warehouse to access the Order or Billing screens due to security concerns. However, the extra step of having the warehouse write down the necessary information on picking tickets and the accounting department input them on the order is not efficient. This new feature will streamline the data collection for the warehouse. In addition, the warehouse can optionally print a packing list immediately after the order data is updated through this window.

Billing Selection Supports Immediate Packing Slip
Billing Selection can now print an immediate Packing Slip. If your operation requires a copy of the Packing Slip to be included with the shipment, this can speed up your process of generating the Packing Slip. We are also adding laser form support of the Packing Slip to make the Packing Slip look more professional.

Shipping Verification Improvements
Shipping Verification now supports collection of package level data, including: Packing Code, Weight, Volume, Freight, Tracking Number and User definable information. This information may be used for Order Inquiry or sending an EDI Advanced Shipping Notice (ASN). The Shipping Data Export can export an "S" record with this shipping information and a "B" record with the box information.

During the Shipping Verification process, the F7 key will bring up a window to allow the user to verify the remaining quantity of the line item or the entire order.

Shipping Verification can optionally bring up the "Shipping Data Update Window" to allow the warehouse to finish the order data collection process. Upon order verification, the system can optionally perform billing selection to streamline the whole shipping process. The Packing List can be optionally printed immediately after the order is confirmed. A lot of effort has been put into allowing a user to un-verify (and un-select) an order. When an order is un-selected, the order qty-to-ship will be restored back to its original value.

Some will use Shipping Verification with a barcode scanner where the barcode contains the item number and the serial number. If serial numbers are used, there is a global flag to allow Elliott to scan the beginning and end of the item number entered for a serial number. If a serial number is found, Elliott will allow the entered barcode to be edited so the correct item number can be entered.

There is now a global flag that can determine if a note entered during shipping verification will be attached to the order header or line item.

During Shipping Verification, you can have Elliott write data to an ASCII file, defined in Global Setup, which contains information about the order and shipment. This is useful for interfacing with Bar Tender (barcode printing software) to create UCC-128 labels on a label printer.

We also support these additional fields when creating UCC-128 labels:

- UCC-9, UCC-12, UCC-13, GTIN
- Customer Item Number
- Customer Item Description 1 & 2
- Product Category
- Product Category Description
- User Defined Code
- User Defined Code Description
- Drawing Release No

Shipping Confirmation
Shipping Confirmation used to be called "Simple Billing." In V7.2, Simple Billing was an add-on option. In V7.3, we are including Shipping Confirmation as part of the Elliott base package.

Even though Shipping Confirmation can be used by both office and warehouse personnel, it is designed primarily for the warehouse personnel due to the security restriction of not allowing the warehouse to change the order header screen.

The line item confirmation screen in Shipping Confirmation is more user friendly than the current Billing Selection process, which will be welcomed by the office personnel to use if they don't need to modify order header info.

Upon completion of Shipping Confirmation, the user can also choose to print an immediate Packing Slip to speed up the shipment process.

Multiple Location Operation

Through the support of "Terminal Server," Elliott can now work very well for organizations with multiple locations. In Elliott V7.3, many improvements are related to the handling of multiple locations.

ATP and Inventory Transfer
When you use Inventory Transfer between two locations with the "Transit Location" option enabled, a transfer from LA to NY while still in transit will show up in ATP as a future receiving transaction to NY (increase NY location's qty in the future).

ATP for Receiving
When you use PO regular receiving (batch mode) or Warehouse receiving, before it is posted, it will show up in ATP as a "Receiving" transaction. This feature is especially helpful if used together with the Vessel file. For overseas shipments, you most likely

will get confirmation of the contents of a container as it leaves the port. You may pre-receive these goods in the Receiving transaction files by identifying their vessel ID without posting them. Then, you can simply update the vessel file with the scheduled receiving date which will then update the ATP date for all items under that vessel. The ATP inquiry and report will show the Vessel ID and Description and give users a more accurate status of when the goods are going to arrive.

Item Search with Multiple Locations Support
In the Item Search window, users have the option to scroll through any location's quantity. Users can also set up the default location for the item search window. This feature is helpful with answering questions like "Do you have these type of items in stock? In which locations you have them in stock?" You may drill down to each item's location quantity breakdown window as well as the Wish List window.

Stock Status Inquiry Improvement
The Stock Status Inquiry screen is now designed to drill down by locations. You may drill down to each location's Location History, Serial Number, ATP, Substitute Items Available, Component Available and Multi-Bin Info.

Component Available Inquiry Improvement
The Component Available Inquiry screen allows drill down to the ATP inquiry screen. This helps users to answer the question, "if a component is out of stock, when will the component become available?"

Location History
Location History is a new function introduced in Elliott V7.3. You can drill down to Location History through the Stock Status Inquiry screen and view quantity, sales, cost and margin by month and year. You can see the break down by location, as well as the total of all locations. You can also see demand location sales instead of actual location sales. For example, if a customer in California with a default location of LA tries to order an item that is out of stock in LA and ends up shipping from NY, the actual sales location is NY, but the demand sales location is LA.

You may also view certain Sales Desk statistical information like the number of times an item is out of stock when inquired in Sales Desk, the number of times this item is quoted in Sales Desk, the quantity quoted in Sales Desk and the quantity of this item on the wish list. This is not sales information, but is extremely helpful to a planner to determine what items are on demand.

Print Picking Ticket by Location
The Elliott print feature will remember the printer you used the last time you printed a picking ticket. This is fine if you have only one physical location or if you have multiple locations and each location prints their own picking ticket. What if you are at the LA location and you need to print a picking ticket to both the LA and NY printers? In Elliott V7.3, you can optionally let the system remember the last picking ticket printed by the order's location.

System Wide New Features

Printing Improvements to Support Windows Service Pack Update

In Elliott V7.2, we introduced a new Print Options window that supports different printer configurations. Elliott takes a snap shot of the printer driver information and saves it into the Elliott printer configuration database. If the printer driver information changes, then the printer configuration will be grayed out.

The printer driver information can change due to a Windows Service Pack update. Therefore, in Elliott V7.2, it is possible your printer configuration may become grayed out due to a service pack update. In Elliott V7.3, the system will try to refresh the printer driver information as long as you are using "Default Configuration" and avoid the need to set up the printer configuration again.

Elliott Startup Parameters

Elliott now supports the start up option of /CO:01 which means starting Elliott and going directly to company 01. This feature applies to other Elliott EXE programs like EL700TK, EL700ME, EL700GE, EL700DP, etc. For example, if you start Elliott with the following command:

EL700.EXE /CO:02

Elliott will bypass the multi-company selection window and go to company 02 automatically. This may be convenient if you have a user that can only access a certain company. You can set up the company selection right in the startup shortcut for that user. You can also combine the company selection option with Elliott Internal Macro features. For example:

EL700.EXE /CO:02 02 0101 02

This will bring up Elliott and go directly to company 02. It will then choose the "Accounts Receivable" module (02), and then choose customer file maintenance (0101) and end up in change mode (02). You may consider using this capability to organize periodic routine tasks by setting up icons on a user's desktop or in a desktop folder.

For Elliott eContact and Export Processor (EL700ME), it supports even more parameters to allow for batch processing. For example, you can use the following command:

EL700ME –E /CO:01 –T:15 –OL –S

This command means:

- **-E** Use Export Processor (instead of eContact Processor).
- **/CO:01** Choose company 01 automatically.
- **-T:15** Use Template 15.
- **-OL** Output to file and launch spreadsheet.
- **-S** Stop at Selection Tab before processing it.

The batch processing capability for eContact and Export Processors allows users to automate a routine task to a simple click. You can even use the Windows scheduler to run this routine task nightly, weekly or monthly (provided you keep an Elliott session open on your desktop, so the task does not have to log in).

For more details on how to use the eContact and Export Processors' parameters, use the following command:

EL700ME /?

This will give you a help screen on how to use the parameters.

IOErrors.TXT

If there is a file access error in Elliott, the error will now be saved in the IOErrors.TXT log file in the corresponding DATA directory. This information may be helpful for system administrators to audit the stability of the database without being in front of the user's terminal when file access errors happen.

Activities Log

Activities Log is a new feature introduced in Elliott V7.3. Currently, you may access these activities either by users or contacts. To access a user's activities, go to password setup and enter a particular user. Then at package field, click the "Special Function" button on the toolbar for "User Activities." The following activities are captured under "User Activities:"

- User log in
- User log out
- User log in and out from the web (eOrders)

To access a contact's activities, simply bring up an eContact detail window and choose the "Activities" tab. The following activities are captured under "Contact Activities:"

Contact log in and out from the web (eStores)

Mass Emails sent to this contact

Credit card charges, refunds and verifications for this contact

There are other activities that we currently capture in the SYACTLOG.BTR table like critical posting errors in COP and AP, but we do not have a user interface to access them other than using event. You may consider using ODBC or a tool like Pervasive Control Center to access the data.

When an activity is written to the log, it also triggers a management event (which can be subscribed through the global setup screen). For system administrators who wish to know when certain activities take place, an event subscription for certain activity events can be set up to monitor the Elliott system.

Events Improvement

Two new Event Reports are introduced in V7.3:

- **Event Subscription Report:** This report shows a list of events that are currently being subscribed to and gives the administrator an overall view of the Event utilization.
- **Event Master List:** This report shows a list of supported events and shows the last time an event was changed or added. This helps the administrator to explore new events as Netcellent introduces them in each revision.

Additional detail events are supported now:

- **Report Printing Start and End.** This is a management event and can be subscribed through Global Setup or Company file maintenance. One of the benefits of this report is that it can be used to monitor deferred processes from home to determine if the first report in deferred processing has been started and the last report has finished. If deferred processing has not started or finished by a certain time, it will alert the system administrator for investigation.
- **Defer Report Interruption:** When the defer report processing is interrupted due to a file access error or other type of error message, an event is triggered. The system administrator can subscribe to this event in order to take the appropriate action to resume the deferred process.
- **All Activities Log** can be subscribed through management events.
- **Credit Card Activities** including view, add, change and delete credit card. Charging, refunds and verification of a credit card are also included.

Automatic Program Links

The Elliott linking function now supports the @@REF-ID@@ variable in the program link template. This feature automates the link setup process. In the past (V7.2 and earlier versions), you could set up an Image Link that points to the M:\Elliott7\Image directory. When you put an item image file into this directory, you still needed to go to the item and add the Image Link to point to that image file. The system did not assume any automatic association between the file name and item number.

With Elliott V7.3, you can setup an automatic program link with the template like:

M:\Elliott7\Image\@@REF-ID@@.JPG

and indicate that @@REF-ID@@ refers to IMITMFIL (Item Table). This will set up the automatic program link between Item and the M:\Elliott7\Image directory. As you place an image file like 123456.JPG into this directory, then the link between item number 123456 and image file 123456.JPG is established automatically and there is no need to manually add the link to the item. On the other hand, the system is smart enough to know if you bring up an item 654321 and the 654321.JPG file does not exist in the M:\Elliott7\Image directory, then the link will not show.

The REF-ID also supports substring and condition parameters. For example, you may define a link template for APOPNFIL with variables like @@REF-ID(8:6,1:1='V')@@. This means take the reference key of APOPNFIL, starting from the 8th byte for 6 bytes, if the first byte is equal to 'V'. In the APOPNFIL table, there are two types of records. 'X' represents the Payment record and 'V' represents the Voucher record. This syntax means if it is a voucher record, take the 6 bytes starting from the 8th byte (which is the voucher number) and use it as the reference.

Even though this automatic program link works for web pages (URL address) as well, Elliott won't be able to detect whether a URL address is valid or not and it will always show the automatic program link as available.

New Global Security Flags

The following are new Global Security flags introduced since the Elliott V7.2 general release. Review them for proper default values when you upgrade to Elliott V7.3:

Disable Interaction w/eContact & Export Proc. You can use this flag to give a user only the batch processing access to eContact & Export Processors (i.e. to let this user use existing queries designed by someone else) and disable the user from designing their own query.

Change Others' Template in Export Processor. Only system administrator level users should be given power to override other user's templates.

Disable User Others' Template in Export Processor. Use this flag to determine if this user can use templates owned by other users. Most likely you would answer "N" to this flag and make the templates shareable for other users to use.

Allow Change to Other's Attribute. By default, only the user who creates the attribute should have the right to change or delete it. For the system administrator, you can set this flag to "Y" so they can update other users' attributes.

Allow User Enter Negative Qty in Order Entry. Since entering a negative quantity in order entry is equivalent to issuing a credit memo, you might want to control the users who can perform this function.

Allow to Edit/Print Other User Transfer Batch. This flag is for the Inventory Transfer function, which is the center of the two-step multi-bin process. For the warehouse supervisor or dispatcher, you want to answer "Y" to this flag. For the warehouse picker, you might want to answer "N."

Allow to Select Diff Job in Inventory Transfer. If you enabled the Job Number feature for Multi-Bin, then you probably do not want to allow the user to override the Job Number during Inventory Transfer, unless this is a system administrator.

Improved Lock Messages

In the past, there are many areas the system produced an un-friendly record lock message like "A Locked Record Is in the Way of the Next Operation …. Please Wait". Messages like this do not tell you which table or record is locked and is not very useful other than telling you that you have to wait.

Therefore, a new global message is introduced in the Elliott System Manager layer which displays in the status bar of Elliott's bottom left corner. For example, "ARCUSIL 000100 locked in way" may display as a record lock. The ARCUSFIL is the table name which stands for A/R Customer File. 000100 is the record's primary key. In this case, it is the customer number. When you encounter a message like this, you are more likely to find out which user locked the record and resolve the conflict quickly.

Elliott V7.3 also improves the handling of status 84 (record or page lock, which can be caused by TTS). Efforts have been made to eliminate user interface messages in a TTS loop to ensure TTS operation will finish quickly. In addition, when a status code 84 is encountered, the system will display the proper status code without re-trying over and over (which may appear to be locked up in V7.2 and prior versions).

Improved PSQL 8.5/8.6 and PSQL 9.x Support
With the introduction of PSQL 8.5, there are two issues to be dealt with in Elliott: (1) The Local Cache Engine; (2) The security feature.

The Local Cache Engine in PSQL 8.5 significantly increases the database performance. This can be seen especially with report printing. However, the Local Cache Engine also introduces the possibility of getting a file access error Code 80. The new Elliott file handler engine has been changed to better handle and eliminate most of these errors.

The security feature in PSQL 8.5 allows a system administrator to turn off a user's O/S level file access privilege for the Elliott data files. Before PSQL 8.5, a system administrator had to grant users O/S level file access privilege in order for Elliott to function. This often caused concern for system administrators since users could accidentally, or intentionally, delete Elliott data files through Windows Explorer. The latest Elliott version has been changed to work with the new PSQL 8.5 security feature. This includes a change to the GLJNLT99.BTR file where the new version does not delete the file, so the user does not have to have delete privileges for the data directory.

Our prior experience with the Pervasive Transaction capability proved this feature is very valuable for allowing users to perform real time posting without requiring other users to exit the system. With Elliott V7.3, we will always utilize Pervasive Transaction during posting and we are removing the TTS (Transaction Tracking System) flag from Company Setup.

Audit Master Support
Pervasive Audit Master can monitor most every transaction that takes place within Elliott. This includes every time Elliott rewrites the record back to the database, regardless if the record had changed or not. In some areas of the Elliott application, it may attempt to rewrite to the Pervasive database even if there is no change. In order to reduce the size of the log file within Audit Master, the Elliott V7.3 system manager will now compare the record in the database with the data it intends to write. If they are the same, then the Elliott system manager will not write back to the database to avoid cluttering Audit Master. This is also somewhat of a performance improvement because it avoids the unnecessary rewrite operation.

DYO Forms Improvements
With the latest Elliott V7.3, you can now designate a default form for each supported Saturn Design your Own Form (DYO) in Global Setup. When a default form is designated, the normal Saturn Forms Selection Window will not display and the default form is selected automatically to make the printing process automated and user friendly.

DDF Improvement
New tables and columns have been defined to reflect the latest updated features. Many new views have been added as well:

- APVENADT_VIEW
- ARCUSFIL_ZIPCD_VIEW

- ARCUSEXT_VIEW
- CPBOXFIL_VIEW
- CPBOXFHS_VIEW
- CPCUSWLF_VIEW
- CPHODHDR_VIEW
- CPPRCFIL1_CUSITM_VW
- CPPRCFIL2_CUSCAT_VW
- CPPRCFIL3_TYPITM_VW
- CPPRCFIL4_TYPCAT_VW
- CPPRCFIL5_CUS_VW
- CPPRCFIL6_ITM_VW
- CPPRCFIL7_TYP_VW
- CPPRCFIL8_CAT_VW
- CPORDPMT_ORD_VIEW
- CPORDPMT_INV_VIEW
- CPRECHDR_VIEW
- CPRECLIN_VIEW
- CPSHPFIL_ZIPCD_VIEW
- IMDSTPAC_VIEW
- IMGTINFI_VIEW
- IMITMADT_VIEW
- IMLOCHST_VIEW
- IMLSHST_INV_HDR_VIEW
- SYATTRIB_EMP_VIEW
- SYATTRIB_EMPHIS_VIEW
- SYATTRIB_DEDHIS_VIEW
- SYATTRIB_INV_VIEW
- SYATTRIB_ORD_VIEW
- SYATTRIB_WRKORD_VIEW
- WSORDLIN_VIEW

The following tables have been added:

- POPURECI: PO Pending Update Receiving Item File
- POPURECS: PO Pending Update Receiving Serial File
- IMTSFBAT: IM Transfer Batch File
- ARECIBAT: AR eContact Customer Import Batch File
- IMTSFBAH: IM Transfer Batch History File
- IMTSFTRH: IM Transfer Transaction History File
- SYACTLOG: System Activities Log File
- IMLOCHST: IM Location History File
- CPBOXFIL: COP Box File
- CPBOXFHS: COP Box History File
- SYPACKCD: System Package Code File

- IMDISTYP: IM Distribution Type File
- IMDSTPAC: IM Distribution Type Account File

The table POREQTRX has been changed to support Blanket Orders and IMLOCFIL has been changed to support Receiving, Shipping and Production bins. The tables POWHRECI and POWHRECS have been changed to support multiple receivings per PO Line Item before posting. As a result, if you were using PO Warehouse Receiving in V7.2, a special data conversion is required when upgrading to V7.3.

Password File Maintenance
Editing a user in Password File Maintenance will now allow for the up-arrow key to change the Name, Position, Email, etc. Also, the 5 Amigos are supported which means you can now attach an Elliott Note, Link, Attribute, Event or eContact to the user ID. We have added the F3 key to Copy User Company in addition to the F2, Copy User.

Customer and Vendor Search
When you perform a Customer or Vendor search, the highlighted customer or vendor detail information like address, customer type, phone, etc., will be displayed at the bottom of the search window to make it easier to identify if this is the right customer or vendor that the user is searching for.

Deferred Processing
Deferred Processing has been significantly improved in Elliott V7.3. Deferred Processing can run in minimized mode by default now (like Services running in the background). Deferred Processing can be started automatically with an assumed user identity (setup under Elliott toolbar button Setup Preference, Print etc. tab) so as soon as a user logs on the server console, the Elliott Deferred Processing can be loaded and minimized in the task pane on the right side of the task bar. In the past, Deferred Processing needed to run in the full screen mode and could not be minimized, which may have interfered with the server console operation.

The V7.3 Deferred Processing also generates events when it runs into an error. The system administrator can subscribe to Deferred Processing Error events and be notified by email when a deferred process stops due to an error.

General Ledger New Features

Inactive Account Support
In General Ledger G/L Account File Maintenance, you can now designate an account as "Inactive." When an account becomes inactive, you will not be able to enter that account throughout Elliott where it prompts you for an account number. The exceptions are G/L Account File Maintenance, G/L Account Inquiry, each sub module's account file maintenance and printing selection screen programs where it prompts for an account number. Also, the F7 or F8 Account Search will not display the inactive account (if you choose to validate G/L accounts in the sub module setup).

Accounts Receivable New Features

Customer Account Inquiry with Reference

You may now view Reference Information of the A/R Open Item record as the 2nd line in the A/R Account Inquiry screen (the traditional inquiry screen only, not applicable to summary account inquiry). This feature can be turned off and on in Global Setup.

Customer File Maintenance Enhancement

The following are new features added to the customer file maintenance screen:

- **Customer Screen Re-Arrange:** The Customer Screen has been changed from two screens to three screens. The first screen pretty much stays the same with the addition of the Salesman fields. The 2nd screen contains mostly miscellaneous fields, Customer_Note_1 – 5 and User Amount and Date fields. The 3rd screen is for statistical or accumulated fields.
- **ABC Class**: Similar to item inventory class, customers can be broken down into A, B or C class for analysis. A new Customer ABC report is provided under the A/R report section to help you categorize your customers into these three classes. By default, it uses the 80-15-5 rule. The ABC code can either be updated through the Customer ABC Analysis Report or manually entered into the customer's file maintenance record.
- **Freight Col/Prepaid**: This field allows you to set up the default freight pay code for the customer as C = "Collect", P = "Prepaid" or blank. When it is blank, it means "Prepaid." This field will serve as the default value for COP Order Header. Another new feature introduced allows you to determine in Global Setup if "P" means "Prepaid and Free". If you choose to turn on this flag in Global setup, then when the Freight Pay Code = "P" it will be printed as "Prepaid" on shipping documents and the invoice. But, you will not be able to enter the freight amount in the billing screen since it is "Free."
- **Shipping Time**: This field was added to the COP Ship-To File maintenance screen. It is currently used only in COP Order Ship Data Export in support of the EDI 856 (Advance Shipping Notice) to determine the estimated arrival date.
- **Days Deliver Early OK**: This field is used by the Customer Delivery Performance report to allow the setup of a window period time frame by customer that is allowed for delivery early.
- **Sales Year before Last Year**: This field allows users have at least two years worth of history for a customer. When Customer Sales Year To Date is cleared, Customer Sales Last Year is moved to this field.
- **Open Orders Pick or Invoice Amount:** This field is the accumulation of the total amount on all orders that currently have the picking ticket printed or are invoiced, but not posted. This field can be important to determine customer credit balance since the amount on these orders will soon become part of customer account balance. To include this amount for credit checking, you may change the flag to "Y" in Global Setup -> Cop-Ctl -> Credit Check & Release -> 9. Include Pick/Inv Amount in Credit Checking. This field can be recalculated through A/R Age Customer Account processing.

- **Customer Create/Last Modify Date & Time:** When a customer is added or changed, these two fields will be updated and display in the 2nd screen of customer maintenance and inquiry.
- **Enter Attribute When Adding Customer**: If you wish to define an attribute at the time of adding a customer, you may turn on this flag in Global setup. If this flag is on, then when you add a customer the attribute window will pop up automatically so you don't have to go to the "Change" mode to bring up the customer in order to enter an attribute for the newly added customer.

UPS Fuel Surcharge Support
Elliott Freight Calculation now supports Fuel Surcharge by allowing the user to enter the surcharge percent in Freight Mode table.

Accounts Payable New Features

Assign Vendor Sequentially

You may now enable this feature in Global Setup and automatically assign the next vendor number.

Summary Account Inquiry
This is a new feature in addition to the original Account Inquiry which is now called "Detail Account Inquiry." Contrary to the name "Summary," you can actually see more detail in "Summary Account Inquiry" than in "Detail Account Inquiry." Initially, the system will display a list of vouchers with one line per invoice. You may highlight each voucher and the detail of that voucher will display at the bottom of the window.

In some situations, a voucher may be paid through multiple checks or distributed to multiple accounts. The system will offer you the option to drill down for more information. In addition, if a voucher is linked to a PO, the system will offer you the option to drill down to the PO detail.

You may also select a date range of vouchers to view and zoom in on the detail easier than inquiring the information in "Detail Account Inquiry." You can access Notes, Attributes and Links that were created during the voucher entry. This give you an extensive ability to document the voucher if there are any irregularities. The Links function also provides a foundation for the Document Imaging System.

Although "Detail Account Inquiry" can be fully replaced by "Summary Account Inquiry," we are keeping it for backward compatibility.

New A/P Transactions Import Utility
Similar to COP Sales Order Import Utility, this add-on feature will let you import and create New A/P Transactions from a pre-defined fixed length ASCII file. This function is provided mainly for Electronic Data Interchange (EDI) where you may receive invoices from vendor on a mass basis. Instead of entering them into the Elliott A/P module

manually, you may go through a mapping process to map your vendor invoice data into the Elliott A/P Import ASCII file format and automate this process.

Like COP Sales Order, the A/P Import Utility requires very little information in the ASCII file and can assume most of the information if they are not present. This makes it easy for the data mapping process.

Payment Preparation
The Vendor Type has been added to the Generalized Payment Selection. You can leave this blank to select all.

Payroll New Features

2004 Payroll W-2 Alignment Changes
The 2004 W-2 form layout has been slightly changed with more margins on all four sides of the form to make it laser printer friendly. It is recommended you use the laser form to print 2004 W-2s, however the multi-copy dot-matrix form (same layout as laser form) will continue to work. Also, the magnetic media file has been updated to match the current SSA specifications.

Tax Deferred Field in Deduction Code
This field is introduced to differentiate between Section 125 (Cafeteria Plan) and 401K. Both of these deduction codes are exempt from Federal Withholding Tax (FWT) and were considered as the retirement plan by Elliott in the previous release. While the 401K plan is tax deferred (retirement plan), Section 125 is not. This newly introduced flag will allow the Elliott W-2 print program to correctly differentiate between them.

Print Payroll Check on Standard #9 Windows Envelope
A global setup flag is introduced to allow you to print Payroll checks so the employee's address will appear in the window of a standard #9 window envelope with this release.

Inventory Management New Features

Available to Promise (ATP) Improvements
One significant improvement in this release is Elliott now supports BOMP Production Order components to show up in ATP. ATP has been used by many users as the distributors' MRP and manufacturer's customer service tool. It couldn't serve as the manufacturer's MRP tool before because it did not support component ATP for the production work order. With Elliott V7.3, manufacturers can use the ATP to control the material purchasing, as well as sub-assembly manufacturing.

Also, in the new ATP inquiry window, the system now supports drill down so users can see the Sales Order, Purchase Order and Production Order detail easily. Certain drill down functions can be disabled by the user if there are security concerns (i.e. if the "See ATP Vendor And PO Info" security flag is turned off for a user, then user can't drill down to the PO).

Two additional ATP transaction types are introduced in V7.3: Transfer ATP and Receiving ATP. Transfer ATP refers to the inventory in transit from one warehouse to another. Receiving ATP refers to the PO receiving transactions that are entered into the system, but not posted yet (due to QA inspection, or maybe still at sea). This gives users better visibility of available inventory in the near future with a high degree of certainty.

Inventory Transaction Audit Trail Report Improvements

A new selection criteria is introduced to prompt for "Select by Customer or Vendor Number?". The possible answers are "N" = No (default), "C" = Customer, "V" = Vendor. This option allows users to narrow down transactions that were issued or received from a particular customer or vendor. In addition, comment and reference document number from the original transaction can be printed on the inventory transaction audit trail report. The following is a table illustrating where the Reference-Doc-No and Comment in inventory transaction audit trail originally come from.

Processes	**Reference-Doc-No**	**Comment**
Invoice Posting	Purchase Order Number	Ship To Name
PO Warehouse Receiving	Inv/Doc Number	Comment
I/M Transaction Processing		Comment
W/O Production Posting		W/O Description

Distribution Code

In the previous version, when warehouse personnel tried to enter an inventory transaction (batch mode) they were prompted for the distribution G/L account number. This usually caused operation difficulty since most warehouse personnel do not have sufficient knowledge to know what account to use under what condition. In Elliott V7.3, we are introducing "Distribution Code" which users can set up in advance. For example, you may set up a distribution code for "SAMPLE" that distributes to the following two G/L expense accounts:

50% 5720-040 Marketing Expense – Sales Department
50% 5720-050 Marketing Expense – Marketing Department

This means the Sales and Marketing Department will share the sample merchandise expense 50-50. Once the user enters the distribution code "SAMPLE" in I/M transaction processing, the user does not need to be concerned with which G/L Account to distribute. The Distribution Code will be printed on the Inventory Transaction Audit Trail Report to aid auditing.

Item Search to Exclude Obsolete Items

You may turn on this flag in Global Setup to exclude obsolete items in the Item Search Window to reduce the number of items that show up and thus making locating the item easier.

Additional Criteria Support in I/M Reports

- **Obsolete Flag**: Obsolete flags are added to Stock Status and Frozen Stock Status Reports' selection screens so users can reduce the size of the report by excluding the obsolete items.

- **Buyer/Analyst Code**: This field is added to Stock Status, Frozen Stock Status, Re-Order Advice and ATP Reports' selection screens so each buyer only needs to print their relevant items for managing.
- **ATP Report**: The following new criteria are added for this report selection: Buyer Code, Manufacture or Purchase, Re-Order Level and Product Category. It will allow the buyer or planner to more accurately print out the items they need on the ATP report for MRP purposes.

Short Cut Item Support

A Short Cut Item is similar to a kit item except the components of a short cut item will be managed as individual line items in a sales order or purchase order. To set up a short cut item, you must first designate the parent item with an "S" (Short Cut) in the End Item Code field of the item master. Then, you need to set up all the components in the kit item file maintenance. You are allowed to set the price of each component in the kit item maintenance. As you enter a short cut parent item, the components will be copied over to the Sales Order or Purchase Order as individual line items. Since each component is an individual line item in a Sales Order or Purchase Order, you may individually backorder or receive them.

Copy Item to Create All Locations

The Copy Item function now prompts if you wish to create all inventory locations as the new item is created.

Customer Order Processing New Features

Order Entry Improvements

- **Line Item Picking Sequence and Unit Weight Synchronization:** Line Item Picking Sequence and Unit Weight are copied from item master when the order line item is entered. If Unit Weight or Picking Sequence is changed later in the item master, they are not reflected in the Order Line item and can cause confusion. In Elliott V7.3, when the user changes the item weight or picking sequence (bin number), the corresponding COP line items will be changed accordingly.
- **Better Contract Pricing Support:** In the prior release, even though contract pricing was supported when users try to bring up the price code window in Order Entry, Sales Desk or Stock Status Inquiry, the contract price information was not displayed. With this release, the contract pricing information is well supported in these areas.
- **Features/Options Allocation:** In prior Elliott versions, when entering a feature option item in COP Sales Order, allocation of the components took place at different times, depending on whether you use BOMP Production Work Order or Shop Floor Control Shop Order. If you used Shop Order, then allocation took place during Shop Order release. If you used BOMP Work Order, then allocation took place during Sales Order Entry time. This logic is inconsistent and confusing. Therefore, in Elliott V7.3, if you use BOMP Work Order, the Features/Options components allocation will take place on the BOMP side and

this will make it consistent with SFC. When you copy a sales order features/options line item to the BOMP side, you can now specify whether or not to allocate the components. If you choose to allocate, then the components will be allocated at the copy time. If you do not choose to allocate, then the components will be allocated when you choose to change allocation flag on the work order to "Y" or when you print the work order. This change is part of the new support for adding an "Allocation" flag to BOMP Work Orders so you can leave long term work orders in the system without allocating inventory.

- **Change Customer in Order Entry:** The customer number can now be changed in Order Entry by turning on a flag in Global Setup. You can specify this to be allowed for Orders, Quotes or Blanket Orders. If the customer is changed, you can have Elliott automatically update the Ship Via, Terms, Salesman, Tax Code and Location on the order to reflect the default from the new customer.
- **Close One Line Item:** A global flag has been added that will allow you to close one line item on an order and leave the rest of the line items open.
- **Payment Source:** AR Payment Source in Global Setup will allow you to define a default source for credit card transactions, cash, gift certificates and checks. If the source is blank, then that payment type will not be available when prompted for payment information in the Billing screen of Order Entry.
- **Billing Unselect:** The Billing Unselect function will restore the Quantity to Ship for each line item. Location has been added to the Billing Edit List selection criteria. This feature applies to Shipping Verification and Confirmation as well.

Sales Desk Improvements

- **Sales Desk Quote:** Sales Desk now supports eContacts and users can send a Sales Desk Quote through Email as well laser Sales Desk Quote. The eContact added in the Sales Desk screen will become the order eContact when the order is created.
- **Negative Quantity:** The user is allowed to enter a negative quantity in Sales Desk for returns or exchanges.
- **Prompt for Serial Number for Creating "I" type of Order:** You may enter a serialized item and create an "I" type order. The system will then prompt you for the serial number when the order is created. These changes make Sales Desk friendlier as a point of sale tool.
- **Ship-To Wish List:** In addition to supporting customer wish list, we are now supporting wish list items at the ship-to level.

Sales Order Import/Export Improvements

- **Quantity Divide and Multiply:** The Sales Order Import and Export functions now support dividing or multiplying the import quantity by the Item User Amount. This is most helpful if your EDI trading partner stocks the item ordered in a different quantity than you. The flag can be set in the EDI profile in Customer Maintenance.
- **Replacement Order Import:** In prior releases, Elliott supported the import of new sales orders. With V7.3, we added support to import replacement sales

orders. The replacement sales order import was invented primarily for EDI 830 forecast orders (PO Release) to make long term planning orders visible on the ATP.

- **Optional Separate Order Range:** The Sales Order Import and Replacement Order Import each optionally support their own order number range. You can still use the next order number in the COP Control File as well.

Credit Card Processing

The credit card receipt will now print the reference number (Order Number from COP or maintenance window reference from AR). The reference text in the AR Credit Card Trx Process will also print as well as the customer name.

Security is improved in the payment window so if a user does not have privileges to access credit card information the F7 lookup window will not display the information.

The system now supports a force transaction in A/R Credit Card Transaction Processing by entering the Approval Number in advance before Interfacing with Credit Card Gateway.

Email Improvements

- **Interactive Mode Support**: With this new release, you may now send Order Acknowledgements and Order Quotes in Interactive mode by turning on this flag in Global Setup. Interactive mode means when the Order Acknowledgement or Order Quote Email is sent, instead of sending it in the background, your default email client will pop up so you can review the email content before sending it out.
- **Shipping Confirmation Email**: Also, as of this release, you may optionally show backordered line items in the Shipping Confirmation Email. In addition, you can send Shipping Confirmation Email from the Invoice History database. This means you can post the invoice first and send the Shipping Confirmation Email later. With prior versions, you had to send your Shipping Confirmation Email before the invoice was posted.
- **Order Acknowledgement Email**: The Miscellaneous Charges, Freight, Sales Tax and Amount Paid will now print on the bottom if they are not zero.

Shipping Improvement

- **Laser Packing List and Immediate Packing List:** The system now supports Packing List with the Laser Form option. You will need to turn this option on in Global setup. You also need to import the Packing List Laser Form Template (CP02P2.F01 - 03) from the \Elliott7\Forms directory. Also, there are several defaults that have been added to the Global Setup for Packing Lists including Location, print zero quantity items and include billed items on the Packing List. You may now print a Packing List immediately after the billing selection, shipping verification and shipping confirmation by turning on the option in Global setup. This function is useful for companies who let the shipping department perform the billing selection, simplifying their process.

- **Manifest Orders Status Report:** This is a new report to supplement "Shipping Manifest Tracking Report." "Shipping Manifest Tracking Report" is from the Orders point of view to find out if there is a tracking number associated with the order. This is useful for finding out if an order has been shipped and why it has not been shipped yet. On the other hand, "Manifest Orders Status Report" is from the shipping point of view to find out if the orders have been shipped already and why they have not been selected for billing or invoiced.
- **Picking Ticket Alignment:** You can eliminate the print alignment message for Picking Tickets by setting a flag in the Global Setup.
- **Picking Ticket Cutoff Date Improvement:** A new global setup flag, Use Request Date For Shipping Control, determines if the Picking Ticket Cutoff Date is by Request Date or Promise Date. This flag also determines if backorders are filled using a cutoff by Request Date or Promise Date.
- **Staging Slip Data Entry Improvement:** Staging Slip is also called Wave Pick. A new user interface is introduced to allow users to add order numbers and edit them. In previous versions, users could only add an order, but could not change it if a mistake was made.
- **Assume Different Identity Support:** Certain companies may wish to assume various different names for sales and marketing purposes. For example, while selling retail items to a consumer on the Internet, the company may assume the name of company A, and then selling to a wholeseller may assume the name of company B. You can now set up different identities in each customer type. The different names set up in customer type will then show up on the Orders, Quotes and RMA Acknowledgements (regular or laser), as well as Emails, Invoices and Shipping Acknowledgements. By default, the system retrieves the company name from the company file if no special identity is set up in the customer type. Be aware the printing of company name for most Picking Tickets and Invoices are controlled by either laser template form or pre-printed on the form and may not be subjected to this control mechanism.

Return Merchandise Acknowledgement (RMA)

The option to print an Immediate RMA Acknowledgement is now available. The email option and laser forms have been added for RMA as well. These can be configured in the Global Setup.

Invoice Posting Improvements

- **Additional Invoice Posting Message:** Additional Invoice Posting Messages are added to alert users of potential problems. Also, certain error condition messages will be written to the System Activity Log file. These messages include "Order Invoiced but Not OK" and "Invoice is not posted due to waiting for EDI interface."
- **Purge Tracking Note:** You can configure global setup to delete the shipment tracking note when the invoice is posted to AR. This can be set to "Y" for always, "N" for never or "P" for only when the invoice is partially posted.

- **Pre-Post Improvement:** The Pre-Post Sales Journal has been modified to perform the same error/warning check like the logic in Posting Sales Journal for things like line item amount mismatch, duplicate invoice number, serial number or bin number, incomplete order, etc.

Order History
When a posted order is now purged in V7.3, its data is being moved to Order History. The same principle applies to a deleted order. Users can inquire Order History by Customer and Order Number. In the past, some users were reluctant to purge posted orders and this caused the Order files to grow quite large over time and caused performance issues in the COP module. Since order details are now kept in Order History (as well as invoice history), there will be no reason not to purge the posted orders more often. Smaller order files (open orders only) means various operations in Customer Order Processing module will go a lot faster.

Customer Delivery Performance Report
This is a new report in V7.3 that provides the ability to analyze each customer's delivery performance by comparing the following category:

Request Date vs. Promise Date
Deliver Date vs. Request Date or Promise Date (Based on Global Setup)
Quantity Deliver Early
Quantity Deliver On-Time
Quantity Deliver Late

You may define the time frame window for early in customer file maintenance. Without setting up the time frame window, then shipping it one day early will be considered early. There is no option to define a late delivery window because one day late is considered late.

Sometimes, a shipment is not delivered on time due to reasons other than our fault. You may exempt this shipment in Sales History Transaction file maintenance from calculating to negatively affect our delivery performance for the customer.

Order Integrity Check
This utility, located under the Utilities in Global Setup, will delete orphaned line items in the CP Order Line Item file (CPORDLIN), CP Order Lot/Serial file (CPORDLS), CP Order Option file (CPORDOPT) and Item Inventory Bin file (IMBININV). These are line item records that do not have an Order Header record.

Weight and Volume Support In Future Price
In addition to the price and cost information, the weight and volume of the item can be configured through the Future Price function. The global flags for each must be turned on first.

Order Status Report
The Order Status Report has been improved to include options for Selected Orders and Not Posted Invoices. A Status column has been added to the report to show the order

status; X = Not Posted Invoice, S = Selected, I = Incomplete, P = Picked, (Blank) = Open Order. The report has been redesigned to make it more readable, especially if printing by customer.

Purchase Order New Features

Purchase Order Entry Improvement

- **Mass Update PO Promise Date:** In previous releases, when a user wished to change all line items' promise date of a PO, the user would have to bring up and change each line item individually. Now a user can simply change the promise date on the PO header screen and system will ask if you wish to change all line items' promise date. After the change, the ATP will reflect the new PO promise date immediately without ATP re-generation.
- **PO Arrival Date & Shipping Date Support:** A user may now define in Global setup whether the PO Line Item Request/Promise Date is either the "Arrival Date" or "Shipping Date" (The date the vendor needs to ship the goods to us). The delivery lead time can be defined in the vendor file maintenance. Both Arrival and Shipping Date will be displayed in the PO Line Item and PO Inquiry Screen. The Request Date and Promise Date can be printed on the PO Form for both Arrival and Shipping information.
- **Support Using Item Standard Cost as PO Line Item Cost:** By default, the item last cost is used as the PO line item cost if the pricing table is not set up in the vendor item table. You may choose to use the item standard cost as the default if you are using standard cost method in inventory setup. With this release, you may choose to use item standard cost as the default even if you are not using the standard cost method.
- **Easy Add PO Line in Change Mode:** If you have tried to add a PO Line in change mode, you will need to first find out the last line number, then enter the next sequential line number to add. If you have a lot of PO line items, then this can be somewhat tedious. In this release, we are adding the "F2=Add New Line" function in the PO Line Item Change.

Purchase Order Printing Improvement

Elliott V7.3 now supports printing of Item_Note_1 – 5 on Purchase Order Line Item level. The UPC code is often stored in one of the Item_Note_1 – 5 fields and this improvement essentially enables you to print UPC codes on the PO. In addition, you may print the PO Revision Number on the PO.

PO Revision Control

A PO Revision database is introduced in Elliott V7.3 to track when a PO is added, changed, canceled or purged. Each time a PO is printed and posted, the PO revision database is updated. The revision number zero is for the new PO. Each PO changed or canceled will increment the revision number by 1.

The current PO revision number is displayed on the PO header and Inquiry screens. In addition, the PO revision number can be printed on the PO form. In regular PO inquiry,

you may press F4 to bring up revision history. The full revision details are kept in the revision database.

When the PO is purged now, the final version of the PO is saved in the PO revision database. Therefore, the user can now perform inquiry on purged POs through the PO revision database.

Support Purchase Variance and Standard Variance
Let's start with an example for illustration. Let's say you are using standard cost method. Standard cost for item A is $10.00. Due to currency fluctuation, the current cost is $11.00 on the PO. When we received the invoice, the vendor charged us $11.50. In this case, there is a $1.00 standard cost variance and a $0.50 purchase variance.

In previous Elliott releases, there was only one purchase cost variance account and the entire $1.50 went to that account. In V7.3, you can setup both a purchase price variance account and a standard cost variance account in Material Cost Location Account File setup. You do not have to enable this feature. If you do not set up a valid standard cost variance account, then all cost variances will continue to be posted to the purchase price variance account.

Vendor Delivery Performance Reports
This is a new report in V7.3 that provides the ability to analyze each vendor's delivery performance by comparing the following category:

Request Date vs. Promise Date
Deliver Date vs. Request Date or Promise Date (Based on Global Setup)
Quantity Deliver Early
Quantity Deliver On-Time
Quantity Deliver Late

You may define the time frame window for early or late in Vendor file maintenance. Without setting up the time frame window, then it is only considered on time if the vendor delivered on the same date as the request or promise date on the PO.

Sometimes, a shipment is not delivered on time due to reasons other than vendor's fault. You may exempt this shipment in PO Receiving Accrual file maintenance from calculating to negatively affect vendor's delivery performance.

The report shows the actual variance and a percentage of the variance. Compared with the Vendor History Report, you do not need to close or purge a purchase order in order to use this report, which is a great relief to many users (since they do not want to lose the ability to inquire past purchase orders).

Purchase Requisition to Consume Blanket Order
A global flag has been added to determine if the PO Requisition Process should consume a blanket Purchase Order. In the past, Purchase Requisition always assumed creating a new purchase order. In V7.3, it can optionally create a Blanket Release if a Blanket Order is found.

Warehouse Receiving Improvement
In Elliott V7.2, users were restricted to making one receiving transaction per PO line item before it was posted. This restriction is lifted in V7.3. Because of this change, we are changing the database structure for PO Warehouse Receiving Files, which you need to convert if you were using this feature in V7.2.

In Elliott V7.3, you can optionally implement the batch receiving process by using Vessel Number. Not only you can print and post by Vessel number now, you can also update the vessel's expected or actual arrival date in one central place and update all associated ATP records for the new date. This makes it practical for you to track the shipment as soon as it leaves your vendor's port and provide more accurate ATP information for customer service and planning.

In addition, the system now optionally supports "Pending Update" for updating the invoice number to Serial History. Pending Update takes place when you receive the serial number, but the warehouse has not received the invoice yet and therefore there is no invoice number to enter. However, once the invoice is received, the user would like to update the serial history with the invoice number for warranty purposes. Pending Update will store all posted, received serial numbers that do not have an invoice number. Once the invoice number is received, the user can update the Pending file and post the pending file to update Serial History with the proper Invoice Number.

Bill of Material Processor New Features

Production Work Order Improvement

- **Option Not to Allocate Work Order:** A new flag is added to BOMP Work Order for "Allocate." With previous releases, when a work order was entered the material of the work order was always allocated immediately. Now users have the option to enter a long range work order without allocating component inventory.
- **Check Components' Availability:** With a global setup flag, users can now optionally ask the system to check components' availability when adding a new production work order. Details of components can be displayed to easily identify the shortage components.
- **Work Order Laser Form:** A new laser form template has been developed in Elliott V7.3 to support production work orders. Users can now print Production Work Orders on a laser form with barcode support for parent and component item numbers.

Scanner Support for Creating Production Structure
In Product Structure Maintenance, we have introduced a new feature where pressing F3 will import the structure from a handheld scanner. This feature allows users to build a parent item's product structure with a scanner.

Shop Floor Control New Features

Support Barcode Printing on Dispatch Report

A new template had been added for the SFC Dispatch Report to allow the printing of barcodes for Shop Order Number, Operation Number and Quantity. This feature can speed up the data collection process in SFC Activities Transaction Processing. By connecting a keyboard wedge scanner to a PC, the user can now scan shop order numbers, operation numbers and quantity information directly into Elliott.

With Dispatch Report, we also support the option to print a separator line between two operations to make the report more readable.

Close Shop Order Batch Function

In previous Elliott releases, users could close a shop order through the "Close Order Processing." It was designed as an interactive process for users to close one shop order at a time. In Elliott V7.3, we introduce an additional function to allow users to close shop orders on a batch basis. Based on parameters the user supplies, the system can determine the shop orders that are qualified for closing and close those shop orders automatically. It is designed as a report to list the shop orders in range and show the status of whether it has been closed or not. If not, it will show the reason for not closing it.

What's New since Elliott V7.1

In Elliott V7.2, we specifically improved the printing capability and optimized support for Microsoft Terminal Server. Many features added in the IM, COP and PO modules are collectively referred to as the Warehouse Management solution. Prepaid Or Deposit taking processes are greatly improved. The On-line Credit Card process improves support for mail order & telemarketing type businesses. It can also be used for Point of Sale. Elliott V7.2 provides the necessary foundation for Elliott Internet Solutions to move to a .NET platform. The following is a list of improvement in Elliott V7.2:

System Wide Features

Printing

In Elliott V7.2, printing has been significantly improved. In the past, long printer names (names greater than 32 characters) were not supported. V7.2 supports all Windows printer names up to 220 characters long. This change significantly improves support for printing to the client's local printer in Windows 2000, XP, 2003 and Terminal Server.

In addition, V7.2 supports saving printer dev mode which means any printing characteristic of a printer driver can be saved and remembered in Elliott by workstation and report. For example, you may choose to print a certain print job to a certain printer and paper tray and Elliott will remember that and use it the next time as the default. You can also send a print job to multiple printers at the same time. For example, you can print one copy of a picking ticket in the office and one copy to the warehouse at the same time.

Most of the GUI windows with list view now support the printing of the list view. Simply right click on the list view and choose "Print this list" and the content in the list view can be printed on the selected printer.

A new printer default maintenance utility program is provided under "Printer Setup". Users can print the Printer Default List by workstation ID or delete a Printer Default. The printer default is created automatically in the print option window. In case the printer default is corrupted to a point that user can't recover in the print option window, the user can use the Printer Default delete option to delete the entry and start over for that particular print job.

Attribute

An Attribute is a way to expand the Elliott database without any modification. In Elliott V7.2, the screen design capability for attributes has been significantly improved: (1) The user can specify the field length and default value for each field in an Attribute. (2) Each field can be a free form field or validate against an Elliott master table or against a user pre-defined codes table. (3) User can decide the sequence of each field.

In addition, an attribute can be associated with a specific master table and only available for that master table. When you choose to do so, a special data collection screen for that attribute will be available under the special function within the designated module.

We also added referential integrity support for attributes. That is, when an attribute code is deleted, the associated attribute records will be deleted as well.

Mass Email & Export Processor
Mass Email & Export Processor can now start up from the Elliott Main Menu. In addition, new data sources were added for sending email or exporting data. This includes, and is not limited to, order or invoice line item. For example, you can now send mass email based on the order or purchase history of certain items. Inventory Location data sources were normalized so users can get inventory quantity information from all locations, including the ones from the item table.

Password Security
In Elliott V7.2, the administrator can force either all or some users to periodically change their password. The administrator can also define the number of login attempts allowed before the user account is suspended. A summary format of the User List is provided now to make it more readable.

The administrator can now link a user to a salesman. If a user is identified as a salesman, additional restrictions will apply to this user to prevent them from accessing another salesman's orders or customers in the following areas: Contact manager, order entry, order edit list, acknowledgement, quote printing, sales desk, stock status inquiry, freight calculation, order and invoice inquiry, open orders by salesman report, customer file maintenance & inquiry and customer account inquiry (both original and summary). By utilizing Internet and Terminal Service technology, it is now possible to allow remote sales or manufacture rep to login Elliott to view their orders, invoices and customer information securely.

New security flags are also added to control the following:

- Allow the user to change or delete a sales order once the picking ticket is printed.
- Allow the user to create credit memos.
- Allow the user to create sales orders.
- Allow the user to delete sales orders.
- Determine access rights to credit card information.
- Allow the user to override terms code or salesman in order entry.
- Allow the user to override discount percent.
- Determine access rights for change and delete customer records.
- And many more…

It is suggested that you review the new Elliott security flags in Global Security immediately after you upgrade to V7.2.

Credit Card Tracking
In Elliott V7.2, each contact is allowed to have multiple credit cards. Credit card information is stored and encrypted with a 128-bit key and is secured throughout the Elliott system. The credit card information stored in Elliott can be used in the Elliott On-Line Credit Card Processing feature (optional add-on) to improve efficiency with charging credit cards.

Database Activity Log
In Elliott V7.2, the user may press CTL-ATL-D as a hot key to bring up the database activity log window. This feature allows easy tracking of database problems and errors. The end result is to improve the time to find a particular support problem. The Database Activity Log is also available when a critical file access error message shows up. This will help the user find the file I-O activities leading up to the error.

Also, when a file is initialized, a log is placed in INITFILE.LOG of the corresponding DATA directory. This is for auditing and security purposes. The log contains the user-id, workstation-id, file name, process and date and time when a file was initialized.

Events
More events are added in Elliott V7.2:

- *Age Customer Account Balance with Detail Events by Customer*: This detail event allows the supervisor to monitor when a customer is past due over a certain amount or certain time period.
- *Order Entry Event Add Total and Order Type*: This improvement allows the supervisor to monitor any sales order or credit memo greater than a certain amount when it is created.
- *Invoice Printing Management Event*: Provides a management event to show the total information of an invoice printing batch. Management may be interested to know the total invoice amount printing when each batch of invoices is printed.

Miscellaneous

- **Suppress Startup Image:** Preference Setup allows the user to suppress Elliott Startup and Background graphics. This will speed up the startup of Elliott over a slow Terminal Service link.
- **Elliott Startup Speed Improvements:** Various changes were made to make the Elliott startup process more efficient and speed up the startup time.
- **Spool Report Manager Improvements:** User Interface and Performance improvements for Spool Report Manager.
- **File Error Window Improvements:** In the File Error Window, two new buttons were added: Database Activity Log and Environment. These two buttons provide additional information to investigate the cause of the file access error.
- **New user definable Zip Code table:** Elliott V7.2 delivers a new Zip Code table that contains city, county and longitude and latitude information. A maintenance utility is provided so the user can update the Zip Code table manually.

- **"V" Library File Support:** Before 7.2, Elliott supported B, U, E and C library files. With Elliott V7.2, V library file support is added. The V Library file priority is between U and E and is used primarily for interim version support.
- **Improved File Handler:** In Elliott V7.2, all files are created with a 4,096 byte page size for better performance. In addition, the case insensitive key is supported starting with V7.2.

Accounts Receivable

County File and Sales Tax Code Auto Assignment
Elliott V7.2 delivers a county file as well as a new zip code file. The county file is identified by a standard code called "FIPS". The new zip code file identifies the county that the zip code belongs to. If a county code is associated with a tax code and a valid zip code is entered in the customer file, the system can determine the tax code based on the county file automatically. This feature is intended to replace previous tax code auto assignment method which was based on zip code range.

Customer EDI Profile
Before V7.2, most EDI settings and default values were set up globally (in Global Setup). In V7.2, EDI settings and default values can be set up by customer, which is well suited for customers with multiple EDI trading partners. The customer EDI profile can also enforce the setup of UPC and Customer Item Number during sales order import and export.

Customer and Order Address Synchronization
In Elliott V7.2, when a customer address or ship-to address is changed, the open sales orders' bill-to and ship-to addresses can be updated automatically.

Customer User Defined Fields Import
A utility is provided for users to import a CSV file (editable in Excel spreadsheet) to update Customer Notes1-5, User-Date and User-Amount fields.

Post Cash Prompts for Cash Account
Elliott V7.2 now supports entering cash receipt transactions for multiple locations by asking for a cash account when the user tries to post cash receipts.

Inventory Management Features

New Available to Promise (ATP) Features
There is a **summary** version of the Available to Promise (ATP) Report now which will only print one item per line. You can optionally ask the system to print negative quantity balances only with the summary ATP report. This is a valuable tool for determining, at a quick glance, if there will be future inventory shortages and if purchases need to be made immediately.

The ATP Report is useful for distributors, importers and manufactures that purchase or manufacture to order. It is not useful if you only purchase or manufacture to stock.

In Elliott V7.2, you can also "Print All Items with Stock" in the ATP report to get a combination of ATP and stock status.

Warehouse Management Functions
In Elliott V7.2, many warehouse management functions were developed. Elliott warehouse management functions are based on the portable wireless Tablet PC and wireless scanner. Wireless functions can be achieved by either implementing 802.11b/g in your warehouse or accessing Terminal Services (Windows 2000/2003 required) by using wireless Internet access provided by the cell phone companies. The following are newly added functions related to warehouse management in Elliott V7.2:

(1) The system now supports scanning of an item barcode anywhere in Elliott where it prompts the user for an item number. Item barcode can be Item Number, UPC Code, EAN.UCC-8, 13, or 14, and Manufacture Item Number. This allows the warehouse person to effectively manage inventory with a Tablet PC or similar device.

(2) Designed for receiving at the dock, a new Warehouse Purchase Order Receiving function is available now in V7.2 as an add-on feature. The new receiving function can be deployed with or without barcode scanning. The entries and key strokes are greatly simplified making it suitable for warehouse operation.

(3) The Physical Count Tag entry program has been enhanced and is now suitable for barcode scanning. Regular items or serialized items can be scanned efficiently. The multi-bin function is also supported.

(4) GTIN (Global Trade Item Number) Support: In V7.2, the system supports GTIN which includes EAN.UCC-14 (SCC-14), EAN.UCC-13, UCC-12 (UPC) and EAN.UCC-8. GTIN also supports package size. Scanning of GTIN in Physical Count and Shipping Verification will increase the quantity by the package size.

Sales & Order Entry

Recurring Orders
Recurring Orders in COP is similar to the Recurring Service Invoice feature in Accounts Receivable. The difference is that the Recurring Orders will interface with the inventory module and the support of invoice history in the COP module offers complete tracking. Recurring Orders is an optional add-on feature.

New Laser Form Support
Three different types of new laser forms are now provided: Order Acknowledgement, Order Quote and Sales Desk Quote. Pre-defined templates are provided and the user can modify the laser form format on their own. Customer Phone, Fax and Email address are

supported on these documents as well as printing on invoices. This provides the salesman with a professional output to give to their customers.

New Email Functions Support
Three types of email functions are now provided. Order Acknowledgement, Order Quote and Sales Desk Quote. They can either be sent on a batch basis or interactively when they are created. The email address is based on the customer data or ship-to contacts. The shipping email acknowledgment now adds item number and customer PO number to the body of the email.

Prepaid Processing
If you take deposits or your orders are prepaid, then you will find Elliott V7.2 greatly improves your process. Multiple deposits and different source of payments can be taken on an order or invoice. This includes cash, checks, credit cards and gift certificates. Multiple A/R open payments or credits can be used to apply to an order.

The sales desk, working in conjunction with the prepaid process window, functions much like a point of sale (POS).

The Payment History Report can be used for auditing purposes or for cash drawer reconciliation when using sales desk as a POS.

Enforce Qty Multiple/Item User Amt in Order Entry
You can now make Qty Multiple or Item User Amt as the Qty-Per-Box. This can be used to enforce the selling of an item based on the Item Qty Multiple or Item User Amount. If you sell a certain item based on per box, you can define per box quantity as Qty Multiple or Item User Amount. COP Order Entry can enforce the quantity entered as a multiple of Qty Multiple or Item User Amount. Qty-Per-Box can also be used for calculating the number of packages in Bill of Lading, Shipping Label and Shipping Verification.

Miscellaneous
- **Sales Desk Database Purge:** The system now supports the purging of the Sales Desk database by using a cut-off date.
- **Consumer Scanner Support in Sales Desk:** Consumer Scanner is supported in Sales Desk as a quick way of taking customer orders. This function is especially useful in a trade show situation.
- **Lot# Consolidate on Invoice Printing:** An invoice that contains multiple line items with identical items, but different lot numbers, can now be consolidated during invoice printing.

Shipping

Shipping Verification to Support Billing Selection
The user can now configure Shipping Verification to automatically select the order for billing after confirmation of the shipment. After the order is selected for billing, the user

can optionally print the invoice. This feature streamlines the shipping, billing and invoice process where all three tasks can be accomplished at the shipping station and result in increased productivity. Shipping Verification is an optional add-on feature.

Restricted Attribute Support during Picking Ticket Printing
Before this release, Attribute checking was performed at the time of invoice printing where an order may be put on hold if the customer's attribute was expired. However, checking the attribute at the time of invoicing may be too late unless the user uses the invoice as a shipping document. This release supports attribute checking at the time of picking ticket printing and puts the order on hold if the customer attribute has expired.

Simple Billing
"Simple Billing" is a new way to perform billing selection. It is intended to be simple and secure enough for the warehouse operator to use. In Simple Billing, the user is not allowed to edit the order header and line items, therefore avoiding security issues with the warehouse operator. It assumes no shipping variance and the process takes no more than a few keystrokes to complete. The user can optionally print the invoice after the selection. Simple Billing can greatly speed up the shipping process where shipping, billing and invoicing can be done in one step. Simple Billing is an optional add-on feature.

User Definable Shipper On-Line Tracking
Before this release, Elliott supported on-line shipment tracking for UPS, FedEx, US Mail and Airborne Express. With this release, the user can define any shipper (i.e. trucking company) for on-line tracking as long as their tracking web page supports the HTTP GET method (as opposed to POST method).

Other Functions

Immediate BOMP Production Transaction Posting
It is now possible to immediately post BOMP production transactions once the transactions have been entered into Elliott.

New Add On Options since V7.1

Credit Card On-Line Processing
Elliott V7.2 supports on-line credit card processing by using Via Warp and Nova. With on-line credit card processing, the credit card is charged through Elliott and the payment is automatically posted to your Merchant account, as well as performing a real time Elliott cash receipt. In Elliott, you can perform an on-line credit card charge through:

- Contact Screen (Real Time Cash Receipt)
- A/R Credit Card Transaction Handling (Batch Cash Receipt)
- COP Sales Desk (Real Time Cash Receipt)
- COP Order Entry Billing Screen (Real Time Cash Receipt)

Access of the credit card information and charging of the credit card is controllable user by user. The credit card number is encrypted with a user defined 128-bit key to protect against leaking the credit card number.

Radio Beacon Interface

Radio Beacon is one of the leading warehouse management solutions. Elliott V7.2 provides an interface with Radio Beacon in the following areas:

Interface	Direction	File Name	Detail
Picking Ticket	Eli -> RB	ORDP*.TXT	The picking ticket data needs to be transferred to the RB side to get the scanner ready to process shipping.
Cancel Picking Ticket	Eli -> RB	ORDP*.TXT	The cancelled order needs to be sent to the RB side to void processing.
Mass Billing Selection	RB -> Eli	PICKCONF.###	Once RB ships an order, data needs to be sent back to Elliott for billing selection.
PO Printing	Eli -> RB	ORDR*.TXT	The PO data needs to be sent to the RB side to get the scanner ready for receiving.
Mass PO Receiving	RB -> Eli	RECVCONF.###	Once RB is done receiving a PO, data needs to be sent back to Elliott to update the Elliott inventory and PO.
Inventory Adjustment	RB -> Eli	MISCCONF.###	When making a quantity adjustment in RB, the data will be sent to Elliott.
Physical Count	RB -> Eli	CYCLCNT.###	It is useful to load the initial inventory. It is also useful to synchronize the inventory between Elliott and RB from time to time.
Inventory Transfer	Eli -> RB	ORDT*.TXT ORDR*.TXT	The transfer data needs to be sent to RB to get the scanner ready to pick and ship. It will allow receiving at the transfer to location if that location is under RB's control.
Work Order Printing	Eli -> RB	ORDW*.TXT	Work orders will be sent to RB side for inventory replenishment.
Work Order Reporting	Eli -> RB	ORDA*.TXT ORDW*.TXT	Once the production is done on the Elliott side, Elliott should notify RB to adjust the parent and component inventory quantity during Work Order Reporting posting back flush.

Consumer Scanner Interface

Consumer Scanner is a low cost, compact, portable barcode scanner from Symbol Technologies. Consumer Scanner does not have a display screen or keyboard. It is

intended to scan item information and interface to the host system. Elliott V7.2 now supports a Consumer Scanner interface in the following areas:

- **Sales Desk:** This will be used in a situation like a trade show where a sales rep can discuss with the customer the item they want by scanning the barcode of the item. From a workstation that has sales desk open, the sales rep can identify the customer first, then perform the interface to download the item that was scanned.
- **Serial Window:** This will be used in receiving hundreds of serial numbers for the same item. The user can perform the scanning of all the serial numbers and then interface to the Serial Window to save key strokes.

New Internet Functions

Elliott eStore.NET

Elliott eStore.NET is designed as an ecommerce solution that can be used for B2C or B2B. It includes a catalog solution that you can manage right inside Elliott. Your customer can see real time inventory, pricing and place an on-line order. The customer can also track the status of their order and view invoice history. Elliott eStore.NET is based on the latest Microsoft .NET technology, so the user does not need to host a web site in-house to achieve real time inventory and order delivery.

Elliott eOrders.NET

Elliott eOrders.NET is similar to eStore.NET, but it is intended to be used by your sales reps. Through eOrders.NET, your sales rep can search customers, view account statistics and view customer detail account balances. Like eStore.NET, sales reps can place orders on-line for their customers, check order status and view invoice history.

Yahoo Store Integration

For people who prefer using Yahoo Store as their ecommerce solution, Elliott now offers Yahoo Store Integration in the area of real time inventory and order delivery. Yahoo Store is more flexible for designing the look and feel of a catalog page. However, at the same time, it is more time consuming in maintaining the catalog page. The Yahoo Store solution requires a separate hosting and transaction fee from Yahoo.

Resellers Near You Search

Elliott V7.2 delivers a new Zip Code table with longitude and latitude information to support Resellers Near You Search. If you sell products through a reseller channel and you would like to refer business to them through your web site, Resellers Near You Search will allow the user to enter their zip code at your web site and the system will return a list of resellers in their area sorted by distance. In the setup of Resellers Near You Search, you can define the criteria for your resellers (i.e. Customer Type, Sales Volume, etc.)

New Tables Added Since V7.1

ARCUSEXT (AR Customer Extended File): This file stores the EDI profile for each customer.
ARCOUNTY (AR County File): This file contains all US county records. The user can specify the Tax code by county so the system can assign a tax code automatically when a zip code is entered. This file should reside in each DATA directory. The distributed file is in the Elliott root directory and the user can manually copy to each DATA directory.
CPRECHDR (COP Recurring Header File): This file contains Recurring Order Header information.
CPRECLIN (COP Recurring Line Item File): This file contains Recurring Line Item information.
CPORDPMT (COP Order Payment File): This file contains Order Payment Information and is also used for the COP Payment History Report.
IMGTINFI (IM GTIN File): This file contains the valid GTIN (Global Trade Item Number) for each Elliott item. It supports the following code standards: UCC-8, 12, 13 and 14.
POWHRECI (PO Warehouse Receiving Item File): This file contains the data for the new add-on function, PO Warehouse Receiving.
POWHRECS (PO Warehouse Receiving Serial File): This file stores the serial number information for each warehouse receiving item.
PRINTTPL (Print Template File): This file stores the printer configuration information for Elliott V7.2.
SYATRENH (System Attribute Enhancement File): This file stores the newly enhanced Attribute feature in Elliott V7.2. This includes the field length, validation, default value, sequence, etc.
SYCDTYPE (System Code Type File): This file stores the valid code types that the new enhanced Attribute validates.
SYCDVALU (System Code Value File): This file stores the valid value for each code type that enhanced Attribute validates.
SYCONCRD (System Contact Credit File): This file stores the credit card information for each contact. All credit card numbers are encrypted in this file. Before you can use this table, you must assign a master password in Global Setup Utility for this file.
SYZIPCDS (System Zip Codes File): This file contains the valid zip codes for US addresses. This file is used for "Reseller Near You Search." It is also used for City, State lookup by Zip Code as well as tax code automatic assignment. This file should reside in each DATA directory. The distributed file is in the Elliott root directory and the user can manually copy it to each DATA directory.
WSORDHDR (Web Services Order Header File): This is for Elliott e-Orders and e-Store applications. When Web Service EliOrderServices fails to create an order for whatever reason, it will store the order header data in this table for administrator management purposes.
WSORDLIN (Web Services Order Line Item File): This is for Elliott e-Orders and e-Store applications. When Web Service EliOrderServices fails to create an order for whatever reason, it will store the order line item data in this table for administrator management purposes.

What's New since Elliott V7.0

System Wide Features

eContact Manager
After V7.1, an eContact can be set up even if you don't have a contact's email address. The eContact database has been expanded to include Company Name, Birthday, Created By and Create Date Time. The system can optionally assign a random password when an eContact is first created on a real-time or batch basis. This will help ease website integration with eContacts.

The most significant change in eContact is that the entire eContact list is viewable in the eContact Manager. You can search and sort the eContact list to locate a specific contact. The eContact list is accessible in all printing functions. Notes, links, attributes, orders and invoice history of an eContact are accessible in the detail screen. eContact Manager is so powerful now, it will take on the CRM rivals.

GUI Attribute Maintenance
Attributes are used to expand the Elliott V7 database without any custom modifications. The Attribute Maintenance screen is GUI with a 32-bit Windows interface. The attribute list window is implemented as a list view, which means it can be sorted, by any column by clicking on the heading. You can designate two primary fields to display in the Attribute List View to make it easy to read.

Improved DDF
Report writers like IQ have pre-joined tables called "Categories" to make it easy for users to access the Elliott Database. Modern report writers, like Crystal, utilizes DDF's to access the Elliott Database. The DDF's in V7.0 and earlier were implemented with individual table definitions. This made it difficult for users to connect an Elliott database using ODBC compatible tools such as Crystal. It was difficult to join tables without knowing the primary and foreign key relationships of the database. Elliott V7.1 & later release comes with a new set of DDF with VIEWS, which are pre-joined tables. This greatly reduces the user's difficulty of joining tables manually. As a result, the user can use tools like Crystal Report Writer to replace the aging IQ report writer.

Shipping

Improved Shipment Tracking & Acknowledgement
Elliott provides wonderful support for integrating with Starship Manifest. However, many users are not using Starship and do not intend to switch their existing manifest system. Since Elliott V7.1, users can update manifest-tracking numbers (Notes) in Elliott manually. This will allow users to track the order's shipment through Elliott or Web Order Inquiry. Users can also send email shipping acknowledgements with the tracking number with a hyper link to the UPS, FedEx, USPS and Airborne Express (newly supported since Elliott V7.1) website.

For packages that are not processed through shipping manifest (i.e. Truck), you can optionally send shipping acknowledgements after billing selection, invoice printing or posting.

Shipping Verification Improvement
Shipping Verification has been improved for better support of UCC-128 Labels. The Shipping Data Export function has been significantly improved to support EDI ASN (Advanced Shipping Notice). If your trading partner needs you to resend the ASN, in Elliott V7.1, they can be sent from Invoice History Data.

Sales Functions

Customer Wish List
This is an extension to the Elliott V7.0 Stock Watch feature. Now, not only can salesmen and customers receive email notification when out of stock items are received, a salesman can also track the customer inquiries and discuss stock availability and pricing about the items in the customer's wish list.

Add-On Sales
This allows accessory items to be defined for a main item. In Sales Desk, when a line item is confirmed the accessories window will display automatically or can be displayed by a function key, depending on your setup. The accessories window will show available quantity and pricing for the items defined as add-on sale items for the main item. For example, you can define batteries, videotapes, tripods and bags as add-on sale items for a camcorder. The add-on sale item may also be defined in a spreadsheet and use the add-on sales maintenance utility to import a comma-delimited file (CSV).

Time Release
In the retail store business, a store manager may call to place an order and request that it not be released until the end of day. In doing this the store manager can call back later to place additional items to the existing order. This prevents the goods from being shipped separately and saves freight costs.

The Time Release provides an easy solution for this scenario. The salesman can specify the release time for an order and the shipping document (picking ticket or invoice) won't print until the release time.

Sales Desk Improvement
Various different functions have been added to Sales Desk:

- Review Customer's Outstanding Orders (Open Orders by Items / Open Orders by Orders)
- Check Customer's Sales History
- Print Customer Labels
- Kit and feature options support

- Enter Ship-To in first Sales Desk screen
- Skip Location field in line item to speed up entry
- Search and Return Items from Newly Received Screen
- Search and Return Items from Wish List Screen
- Search and Return Customers from Newly Received Screen

Sales Order Import Improvement
Sales Order Import has been improved for better support of taking remote sales orders. When a customer or ship-to record is added remotely and then transferred to the central office for import, the system can be set up to add the new customer or ship-to record based on the data in the order file. This is a useful function for taking remote sales orders (off-line solution). For example, sales orders may be taken at trade show or outside sales reps visiting customers may take orders on their notebook computers.

Other Functions

Inventory Transfer
Inventory Transfers may be processed through I/M Inventory Transaction Processing. However, this was not designed specifically for transfer purposes and tends to be a tedious process. The newly designed Inventory Transfer process was designed for fast data entry and supports barcode scanning. It also supports picking ticket printing for document control.

Future Price Code Update
Elliott V7.0 provides Future Price updates for the item's price, standard cost and user defined amount. This feature supports the future price update for the price code file. An export function is provided so the price code data can be exported to a spreadsheet for modifying. The spreadsheet data can then be imported into Elliott V7.0 to update the future price code file for posting on the effective date.

Update Vendor Performance Data W/O Purge PO
In the past, vendor performance data was not updated until a PO was closed and purged. However, in many situations, the PO can not be purged but the updated Vendor Performance information was required. This new function will allow the Vendor Performance Data to be updated without purging the PO.

Improved Charge Back Tracking
Charge Back Tracking is handled as a debit memo in A/R Cash Receipt with a negative application amount. In this update, the system prompts for reason code and original invoice number when a negative application amount is entered in cash receipt. The reason code and original invoice number will be saved in the AR Open Item file and can be further tracked by using a Report Writer.

Work Order Inquiry

This function provides work order inquiry capabilities with the ability to view the components and the available quantity. Production can use this function to determine if there are available components before releasing a work order.

File Repairing Utility

You can locate REBUILD.BAT in the \ELLIOTT7 directory. Copy this file to your search path. It provides good performance and a very reliable method (BUTIL from Pervasive) to recover a file. Certain system files in Elliott V7.2 are open as soon as you start up Elliott, therefore it is impossible to fix these files inside Elliott. This utility provides an easy method to fix these files.

What's New since Elliott V6.7

System Wide Features

Macro & Office Automation
Elliott will allow users to launch a menu item automatically from the command prompt. For example, EL700 02 0101 02 will startup Elliott and launch the A/R module, then access customer file maintenance, and end up in change mode of customer file maintenance. Users can also use the automation function to launch any external Windows application and populate data to the external application from the current Elliott screen. This can be used for a mail merge, dialing a telephone or any other application that you can think of.

Context Sensitive Menu
Users may use the right mouse button to click on any entry fields in the application to display context sensitive menus to perform the following functions: Copy, Paste, Search, Calendar, Convert to Upper/Lower Case, Toggle Yes or No, Send/Paste value from Calculator, etc.

Improved Security Control
Elliott V7.x supports Supervisor equivalent. This means users other than "SUPERVISOR" can create user accounts and grant rights to those accounts. Even though the supervisor can set and change passwords for these accounts, supervisor cannot see account passwords. Non-supervisor users can directly change their password by accessing password setup function on the main menu without the supervisor assistance.

In addition to support of the traditional menu level security, Elliott V7.x also supports global level security. That is, a security feature can span across menu items or sometimes at field level. The introduction of Global Security Control in Elliott V7.x is to supplement menu level security. This also includes Supervisory Relationship control and Event Security control to further fine tune the security controls in each area.

Support Citrix® or Microsoft® Terminal Servers
Even though previous versions of Elliott already support Terminal Services, there are a few known issues that have been fixed in this release to ensure full integration of Terminal Services for remote access to Elliott data.

Printing Functions

Laser Forms Designer and Bar Codes Support
A GUI for the Elliott laser form designer has been implemented. The designer has been available for Elliott 32-bit application since version 6.X.054. This utility allows you to create a template for each form, such as invoices and purchase orders. For each form you

can change the margins, change the line thickness, color and position, specify your own text literals and use your own company logo. The preview function will let you view your design in a WYSIWYG environment before sending the final output to the printer.

Elliott V7.x comes with the following pre-defined laser forms. Users can either create their own or modify the existing ones:

- COP Invoice
- COP Picking Ticket
- PO Purchase Order
- AR Service Invoice
- AR Statement
- IM Item Label
- PR Payroll Check (Margin Control Only)
- AP Payroll Check (Margin Control Only)

A new feature that allows the printing of Item Label with Barcode was added to Elliott V7.x. Users have the choice of using various different sizes of pre-defined laser printer label. Users also have the option to create their own label design or modify existing ones.

Email Capabilities
From the Print Option Window, users now have the option of choosing "Email" in addition to "Print", "Defer", "Screen", and "Spool To Disk". The print job will be sent as a .TXT file attachment. This is particularly helpful in emailing quotes, order acknowledgements to customers or even emailing weekly reports to supervisors.

CRM and Internet Features

Notes
GUI notes have been implemented since the Elliott 32-bit application. Elliott Notes is a great function for entering information about a customer or a vendor to record important information obtained during conversations. It is the centerpiece of Elliott's CRM. Notes can also be printed on various documents like the picking ticket, packing slip, etc. to allow complete detail information to be presented if necessary.

Tickler notification
Tickler is an extension to Notes. Every single note can become a Tickler by simply assigning a follow up date and time. Elliott will then notify the user on the specific date and time via a pop-up of that note on the desktop, with audio effect. Users can use Ticklers for AR collection, customer follow up, or event reminders. Not only is Tickler an important CRM function, it is also an excellent management tool. Elliott V7.x allows supervisors to assign Ticklers to their subordinates. (Note: subordinates are defined by supervisor relationship in password setup.) Supervisors can also see the current Tickler status of a subordinate to evaluate the work status. Reporting functions of outstanding,

past-due and history Ticklers can be used to evaluate employee performance. Ticklers can be recurring to remind you of tasks that will happen on a daily, weekly or monthly basis.

Knowledge Base
In Elliott V7.x, users can search notes by using key words. Users can specify the search scope at either the current reference (i.e. notes for this customer), the current file (i.e. notes for all customers), or the entire Elliott notes database.

Links
Links are used to link one object in Elliott (like an Item, or a customer) to a document or a URL address. For example, you can use links for the following:

- Link an item to an image file
- Link an item to its product specification page
- Link a customer to their home page
- Link a customer to their contracts and correspondence letters

You may access Links whenever an Elliott note is available. This includes the inquiry of customers, vendors, items, employees, salesmen, the sales order header, sales order line items, the PO header, PO line items, etc. The design of Links is generic so you can use them for any purpose you may think of.

A hot key can be assigned to each link type. For instance, you can simply type ALT-I (or any key you choose) to bring up the item image from the item file maintenance or stock status inquiry (any place you can access item note). Certain links are pre-built into Elliott V7.x. For example, in a screen where there is a valid street address, you may use a special link called "view map" (Alt-Y) to bring up Yahoo® Map in your browser if you have an Internet connection.

Email Order Acknowledgement
Entering an order for any customer with an Email address will provide an option to send an order acknowledgement via email. This can be done immediately at the time of completing the order entry process by answering "Yes" to the sending Order Acknowledge prompt. If you answer "No", Order Acknowledgements can still be sent by using a batch routine. Only orders that have eContacts attached and have not been previously sent an Order Acknowledgement via Email will be sent in the batch routine. This function can be used to supplement orders received from the Internet (if Internet orders are not real time) as an acknowledgement to indicate that these orders are now inside the Elliott system.

Email Shipping Notification
Just as with Order Acknowledgement that can be sent via email, shipping notifications also have the option of being sent via email. Elliott V7.x provides full integration with the leading shipping manifest software, Starship. The tracking number that is written from Starship to the Elliott Note database will be used to notify customers via Email.

This electronic shipping notification contains a hyperlink that leads to the UPS, FedEx, or USPS website, showing details of the package's shipping status.

Event Handling
Event Handling is one of the most powerful functions in Elliott V7.x. It is usually used to send an Email in the background when an event in Elliott is taking place. It may also be used to create a tickler if Email is not available or pop-up a message on the user's computer. Events may be used for many different applications. The following are some examples:

- Notify an administrator when certain critical functions are accessed.
- Alert a user and provide additional instructions when a menu item is chosen.
- Remind salespersons to sell accessory items when a main item is purchased.
- Notify salespersons when an order is placed or deleted.
- Notify inventory control when an out of stock item is received.
- Notify buyers when an item is out of stock.
- Notify the busy travel executive by email about orders, sales, receivables and cash flow status.

Hundreds of events exist in Elliott V7.x. Each user decides which event he/she is interested in subscribing to and upon the triggering of that event, that user will be notified. There are three different types of Events: General, Detail and Management. General Events are fully implemented in Elliott V7.x. Detail Events features are under expansion and additional functions will be added in the future. Management Events are a special type of Detail Event that can be accessed from company file maintenance or the Global Setup menu.

eContact Database
Elliott's eContacts will allow you to store contact information about customers, vendors, employees, ship-to, salespersons, and sales orders, just about anywhere in the system where you can store notes. One of the primary goals of eContact is to support Internet front end Applications. Therefore, each contact's unique e-mail address is required. eContact's email addresses are used with Elliott eStore as Login IDs. They are also used for Mass Email, as well as Order and Shipping Acknowledgements. For this reason, eContact is the center of Elliott's Internet and CRM implementation strategy.

Separate notes, links, and attributes can be stored in eContact, making Elliott V7.x an integrated Contact Management System. eContact also stores passwords, phone numbers, addresses, and credit card information to support the front end Internet eCommerce.

Mass E-Mail Handling
The Elliott V7.x Mass E-mail function is based on the eContact database. Depending on the filter criteria (if any) specified in the Mass Email programs, eContacts are selected for sending email. Users will need to compose the Email message and an attachment can be

included for sending with the Mass Email. For email sent on a periodic basis, users can set up an email template and reuse it.

The Mass Email application can also interact with your Email client like Outlook® or Outlook Express before sending out email. You can compose your message as HTML in Outlook or Outlook Express to dress up the format of your message.

The Mass Email application can also be used as an eContact exporter. We supply a predefined template which can be used to export Elliott's eContacts and that can be imported into the Outlook contact database.

Attributes
An Attribute is like a note and available wherever notes are available. An Attribute is designed to extend the Elliott database without making any modification to the Elliott database. As a common requirement in CRM, the user may decide to track a certain piece of information about a customer or a contact and later perform analysis on that field. Attributes allows users to track any additional information as the need arises. Working in conjunction with the Elliott Export Processor, the user can select and export specific attributes to create a spreadsheet for further analysis.

When working together with a restricted attribute function, Attributes can also be used for license and regulation control as in the Chemical or Pharmaceutical industry.

Attributes are different from Notes in that a Note is intended to store text in free format, while an Attribute is intended to record structural field information.

Credit Card Processing
Elliott V7.x introduces Credit Card Processing as a special cash receipt function. After posting the credit card transactions, the application will update the additional credit card log file. Various reports can be printed from the credit card log file which can be used to reconcile with bank statements. There is also a Credit Card Processing ActiveX control that functions as a real time cash receipt for handling credit card charges from the web.

Shipping Processing

Manifest Exception Report
Elliott V7.x provides full integration with the leading shipping manifest software, Starship. As an order is processed through Starship, a tracking record is written to Elliott Notes. The user can set up ship-via codes that require the Shipping Manifest. From there, the system can generate a Manifest Exception Report to show the orders that should have been processed through Manifest, but have not yet been completed in a certain number of days. This is a powerful reconciliatory function between Elliott and the Shipping Manifest machine, ensuring minimum shipping errors.

UPS, FedEx and USPS Online Tracking
If the user is using the Starship Manifest System, then Starship can be configured to write

the tracking number of a shipment to the Elliott Notes database. To answer a customer question like "Where is my package?" the user can view the shipping status by simply bringing up Notes in Order Inquiry and right clicking on the tracking number. This will launch the Internet Browser and send the UPS, FEDEX and USPS tracking number directly to the appropriate web site, displaying the tracking information of that package. The tracking number is also available on-line in Elliott eStore with a hyper link to the appropriate web site.

Other Features

Export Processor
This is an extension of Mass Email that will export major Elliott master files. You can set your own criteria and choose the fields you desired, export the selected data to a comma delimited (CSV) or tab delimited file. Export files can be opened directly by Excel or other applications for further analysis. One of the major benefits of using this function vs. report writer or ODBC is the linkage relationship among tables are pre-defined in export processor and users do not need to have the technical knowledge for linking them.

Bank Book
In Elliott V6.7, Bank Book was offered as an add-on. With the release of Version 7.0, this powerful feature will be bundled with the software package.

Bank Book is a powerful feature that works with your General Ledger, Accounts Receivable, Accounts Payable and Payroll modules to maintain various bank accounts and provide accurate bank account reconciliation.

Without the Bank Book feature, reconciling and managing your bank accounts can be a tedious task. However, with Bank Book's integration to the necessary modules, these tasks are simplified. The purpose of this module is to reconcile your bank statement with your cash account. First, enter the cash account number and bank statement information, then mark deposits and checks as cleared. Once all transactions from the bank statement are marked as cleared and the balance difference is zero, the reconciliation is complete.

The Bank Reconciliation Reports include four reports: Reconciled Summary, Reconciled Detail, In-Progress Reconciled, and In-Progress - data based upon the status of reconciliation. During the reconciliation process, if these reports are printed they will reflect current In-Progress information. Once your account is balanced, the reports will reflect reconciled information.

Contract Pricing
Even though the previous version of Elliott supports contract pricing, it is usually implemented as price code 1, 2 and 3. Each price code is individually entered and there

are no records in the system to show their relationships. This has caused problems when the contracts have expired, causing the user to tediously delete hundreds or thousands of records from the Price Code File. Furthermore, any tracking by contract is very difficult.

In Elliott V7.x, we introduce Contract Pricing either by customer or customer type (group contract pricing – i.e. buying group). Each contract has one contract header and multiple contract items. The contract header may optionally have an expiration date. When the contract has expired, it will automatically take itself out of the pricing calculation or the user can simply delete the contract. Each contract item can be an item or product category. Elliott V7.x also provides a copy function to allow easy setup of a new contract.

Inventory Turnover Report
The Inventory Turnover Report is designed to show each item's inventory turnover ratio based on Invoice History, Inventory Transaction, Audit Trail File, and Current Inventory Quantity on Hand. Inventory Turnover Report is an important management tool. Many banks will require an inventory turnover report to facilitate auditing as well.

Hold Transaction
You can allocate an item by making a sales order. In many situations, you may want to set aside inventory without making a sales order. This may include reserving a portion of the inventory for a client or a special purpose. A Hold Transaction file is designed for this kind of occasion. As a hold transaction is entered into the application, Elliott V7.x will increase the quantity allocation for the item. Hold Transactions can be reserved for a user or a salesman and can be released through sales desk or order entry. Each Hold Transaction can expire by a predefined time frame. Included is an option to send Email to the predefined recipient for the Hold Transaction when the hold expires.

New Elliott Add-on Options in V7.x

Active X Components & Web Services

If you need to set up a unique E-Commerce or E-Business application that Elliott eStore.NET won't fit, then you should consider using Elliott V7.2 ActiveX components or Web Services. How will the ActiveX components & Web Services benefit you? Simply put, you will be able to easily develop a custom web solution on your web site without the need to know the complex logic of how to retrieve or update the Elliott backend database. For example, to create an Elliott order with ActiveX components or Web Services, you only need to give a customer number and an item number, and Elliott ActiveX or Web Services will take care of the rest. Any additional information you provide, the system will honor it and use it. If information is not provided, the system will use default values.

The Elliott ActiveX components & Web Services are considered as the Business Logic Layer and it is the middle tier of the modern three tiers application architecture (while ASP or ASP.NET Page is considered the user interface tier and Elliott Database is consider the Database tier). Elliott ActiveX components & Web Services eliminate the need for the user interface layer programmer to know the complicated logic of a business transaction. It greatly speeds up the programming project implementation cycle.

Remote Sales Order Taking

Remote Sales Order Taking is an interface utility that works with Steven Creeks Associates' "Take an Order" solution. It is a Palm Pilot solution that a user can use in a trade show or the company show room to take sales orders directly on the hand held device. The Palm Pilot can interface with Elliott at a later time to upload the sales order.

To speed up sales order taking, a Palm with a built in scanner (we suggest to use Symbol's Palm Pilot) is recommended to be used to scan the item (or UPC) barcode. Take an Order can also interface with a printer via wireless RF ports to print out order acknowledgements immediately without interfacing to Elliott.

Shipping Verification

Shipping Verification is designed as a barcode solution for the COP package to eliminate possible shipping errors like:

- Shipping an incorrect quantity of a line item to a customer.
- Shipping the wrong item to a customer.

Shipping Verification can be used to automate billing selection, since all items and quantity information is already verified at the shipping verification workstation. It is also a required add-on package to support EDI Advanced Shipping Notification (ASN).

To use Shipping Verification, you will need to setup a workstation in your warehouse with a barcode scanner (attached through a keyboard wedge). You can scan the order number of the picking ticket (if it is bar-coded) and bring up the order in the shipping verification screen. The user interface and capability is similar to a supermarket check out counter. When you scan the barcode on the item, if the item is not on the order, an audio effect will immediately sound to advise you of the error. Also, if you over-scan an item, Elliott V7.x will immediately warn you. Upon completing the scanning and exiting the order, any under scanned items will be reported. The shipping verification data is then stored and can be inquired through Order Inquiry. Once the order is posted, you can also inquire about its shipping data in the Invoice History Inquiry.