

# RELEASE NOTES



## EXPANDABLE VERSION 8.4.1

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# Table of Contents

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<b>TABLE OF CONTENTS .....</b>	<b>2</b>
<b>HIGHLIGHTS .....</b>	<b>4</b>
RELEASE 8.4.1 AT A GLANCE.....	4
NEW PROGRAMS.....	4
<i>General Ledger Real-Time Posting Utility (G3URP)</i> .....	4
<i>General Ledger Batch Record Update (GLUBR)</i> .....	4
<i>Advanced Security Program Transaction Timeout Editor (ASEPT)</i> .....	4
<i>Serial Number Cross Reference Viewer (JCESXV)</i> .....	4
NEW SECURITY RIGHTS OPTIONS .....	4
<i>SOEOE1 – Sales Order Editor – Line:</i> .....	4
NEW FIELDS ADDED TO EXISTING TABLES .....	5
CHANGES MADE TO EXISTING TABLES.....	5
<i>SOFSN Serial Number Table</i> .....	5
<i>SOFSNA Serial Number Attachments Table</i> .....	5
<i>SOFSNN Serial Number Notes Table</i> .....	5
<i>SOFSD Serial Number Detail Transaction Table</i> .....	5
<i>SOFOD SO Detail Table</i> .....	5
<i>JCF SX Serial Number Cross Reference Table</i> .....	5
<i>JCF TN Job Transaction Notes Table</i> .....	5
<i>POFRN Receipt Transaction Notes Table</i> .....	5
<i>PDFBM Bill of Material Table</i> .....	6
<i>SRFOT Operation Tool Table</i> .....	6
<i>CCFCF Configuration Features Table</i> .....	6
<i>CCFCO Configuration Options Table</i> .....	6
<i>GLFDT GL Detail Transaction Table</i> .....	6
<i>GLFJDT Journal Detail Table</i> .....	6
<i>LTFLM Lot Master Table</i> .....	6
<i>LTFLD Lot Detail Table</i> .....	6
<i>XXFPRM System Settings Table</i> .....	6
NEW DATABASE TABLES.....	6
CRYSTAL REPORTS.....	8
<i>New Crystal Reports</i> .....	8
<i>Modified Crystal Reports</i> .....	8
EXPANDABLE ALERTS .....	9
<b>FINANCE.....</b>	<b>10</b>
ACCOUNTS PAYABLE.....	10
<i>Cleared Checks Entry</i> .....	10
<i>Handwritten Checks Entry</i> .....	10
<i>Stop Payment Entry</i> .....	10
<i>AP Check Update</i> .....	10
<i>AP Month End Expense Accrual</i> .....	10
<i>AP Month End Update</i> .....	10
ACCOUNTS RECEIVABLE .....	10
<i>AR Remittance Entry</i> .....	10
<i>Finance Charge Calculation</i> .....	10
<i>AR Month End Update</i> .....	10
GENERAL LEDGER .....	11
<i>Bank Reconciliation</i> .....	11
<i>Batch Record Update (GLUBR)</i> .....	11
GL REAL-TIME POSTING [NEW MODULE] (G3URP).....	11



*G3URP Configuration File Parameters* ..... 12

FOREIGN CURRENCY ..... 12

*Revalue AP Vouchers*..... 12

*Revalue AR Invoices* ..... 12

*Revalue AR Unapplied Checks* ..... 12

**MANUFACTURING** ..... **12**

    INVENTORY CONTROL ..... 12

*Kit/Shortage Issue* ..... 12

    PURCHASING ..... 12

*Purchase Order Editor* ..... 12

*PO from SO Create Workbench (P4UPO) - Special Utility Program*..... 13

    PO RECEIPTS ENTRY ..... 13

    JOB SCHEDULING/COSTING ..... 13

*Job Editor* ..... 13

*WIP Completions Entry* ..... 13

*Serial Number Cross Reference Editor*..... 13

*Serial Number Cross Reference Viewer [New Features] (JCESXV)*..... 13

    PRODUCT DATA CONTROL ..... 14

*Bill of Material Viewer* ..... 14

    MATERIALS MANAGEMENT ..... 14

*Shop Dates Generation* ..... 14

**MARKETING/SALES** ..... **15**

    SALES ORDER ..... 15

*Sales Order Editor* ..... 15

*Serial Number Editor*..... 15

**SYSTEM AND PLATFORM** ..... **15**

    UPLOADS ..... 15

*Shipments Upload Utility* ..... 15

*Receipts Upload Utility*..... 15

    SECURITY ..... 15

*Active Users Editor* ..... 15

    ADVANCED SECURITY ..... 15

*Program Transaction Timeout Editor (ASEPT)* ..... 15

    GENERAL ..... 16

*Serial Numbers Increased to 25 Characters* ..... 16

*Expandable "Help" Update* ..... 16

**CUSTOMER FEATURE REQUESTS ADDED/ADDRESSED IN RELEASE** ..... **17**

**NEW PRODUCTS, SYSTEMS AND OBSOLETE PRODUCT**..... **18**

    NEW MODULES AND INTERFACES ..... 18

    NEW SYSTEMS AND INTERFACES SUPPORTED BY RELEASE ..... 18

    SYSTEMS AND INTERFACES NOT SUPPORTED BY RELEASE ..... 19

    FUTURE PLANNING OF OBSOLETE PRODUCT ..... 19

**USER NOTES:** ..... **20**



## Highlights

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### Release 8.4.1 at a Glance

- ❖ Upgrade to Delphi 2007 and SQL 2008 Compatibility
- ❖ Upgrade to Crystal 11
- ❖ Expandable Alerts™ Upgrade
  - KnowledgeSync v7.8
  - Alert forms updated and compatible with 8.4.1 & Crystal 11
- ❖ New Serial Number Functionality
  - New Serial Number Cross Reference Viewer
  - Serial Number increased to 25 characters
  - Added Serial Number Usage & Tracking Reports
- ❖ Advanced Security – Program Transaction Password Timeout
- ❖ GL Real-Time Posting
- ❖ Migration to HTML help for the Help Menu

### New Programs

General Ledger Real-Time Posting Utility (G3URP)

See § GL Real-Time Posting [New Module] (G3URP) on page 11 of  
this document for detailed highlights.

General Ledger Batch Record Update (GLUBR)

See § Batch Record Update (GLUBR) on page 11 of  
this document for detailed highlights.

Advanced Security Program Transaction Timeout Editor (ASEPT)

See § Program Transaction Timeout Editor (ASEPT) on page 15 of this  
document for detailed highlights.

Serial Number Cross Reference Viewer (JCESXV)

See § Serial Number Cross Reference Viewer [New Features] (JCESXV) on page 13 of this  
document for detailed highlights.

### New Security Rights Options

SOEOE1 – Sales Order Editor – Line:

Option 5 – Perform the part Market Approval check using



Option 5 = On;            Sold To Customer  
 Option 5 = Off;        Ship To Customer,  
 will be used to perform the part Market Approval check.

## New Fields Added to Existing Tables

## Changes Made to Existing Tables

### SOFSN Serial Number Table

**SERIAL\_NUMBER**            increased to 25 characters  
**PROGRAM\_ID**                increased to 6 characters

### SOFSNA Serial Number Attachments Table

**SERIAL\_NUMBER**            increased to 25 characters

### SOFSNN Serial Number Notes Table

**SERIAL\_NUMBER**            increased to 25 characters

### SOFSD Serial Number Detail Transaction Table

**SERIAL\_NUMBER**            increased to 25 characters  
**PROGRAM\_ID**                increased to 6 characters

### SOFOD SO Detail Table

**EXPECTED\_SN**                increased to 25 characters

### JCF SX Serial Number Cross Reference Table

**ASSEMBLY\_SN**                increased to 25 characters  
**COMPONENT\_SN**              increased to 25 characters

### JCF TN Job Transaction Notes Table

**SERIAL\_NUMBER**            increased to 25 characters

### POFRN Receipt Transaction Notes Table

**SERIAL\_NUMBER**            increased to 25 characters



PDFBM Bill of Material Table

**START\_SN** increased to 25 characters  
**END\_SN** increased to 25 characters

SRFOT Operation Tool Table

**START\_SN** increased to 25 characters  
**END\_SN** increased to 25 characters

CCFCF Configuration Features Table

**START\_SN** increased to 25 characters  
**END\_SN** increased to 25 characters

CCFCO Configuration Options Table

**START\_SN** increased to 25 characters  
**END\_SN** increased to 25 characters

GLFDT GL Detail Transaction Table

**PROGRAM\_ID** increased to 6 characters  
**TXN\_NOTE** increased to 25 characters

GLFJDT Journal Detail Table

**TXN\_NOTE** increased to 25 characters

LTFLM Lot Master Table

**TXN\_NOTE** increased to 25 characters

LTFLD Lot Detail Table

**PROGRAM\_ID** increased to 6 characters

XXFPRM System Settings Table

Added G3URP\_RPT\_DIR 128  
 Added G3URP\_POLL\_INT 3, 0

## New Database Tables

**ASFPT** Advanced Security Program Timeout Table



<b>APFOB</b>	Accounts Payable	Other Batches Table
<b>ARFOB</b>	Accounts Receivable	Other Batches Table
<b>G3FEM</b>	Real-Time Posting	Error Message Table
<b>G3FSM</b>	Real-Time Posting	Status Message Table



## Crystal Reports

This release of Expandable supports Crystal 11 report templates; all reports have upgraded to Crystal 11 report templates and tested with Crystal 10 DLLs.

### **Important Note:**

Crystal 11 DLLs no longer supports Delphi DLL allowing the Print Preview Search Tree. For release 8.4.1, Expandable will continue deployments of Crystal 10 DLLs in order to maintain the Print Preview Search Tree feature.

### *New Crystal Reports*

Added 3 new Serial Number reports:

- |               |   |
|---------------|---|
| <b>SORSWU</b> | - Serial Number Where Used Report           |
| <b>SORSNP</b> | - Serial Numbers By Part Report             |
| <b>SORSNS</b> | - Serial Numbers By Ship To Customer Report |

### *Modified Crystal Reports*

#### **Single Level Bill of Material Reports**

An option added to include Vendor Part data for components on the Single Level Bill of Material Reports by Component and Drawing Item Code.

#### **Purchase Receiver Form**

Modified Purchase Receiver Form to correct error when Component Kit records are selected and Operation Code is greater than 999.

#### **Reports Supporting Serialized Parts (Increased to 25 CHAR)**

The following reports were modified to handle 25 character serial numbers:

- |               |   |
|---------------|---|
| <b>ICRSI</b>  | - Serialized Inventory Audit Report         |
| <b>ARROS</b>  | - Accounts Receivable Open Shipments Report |
| <b>ARRID</b>  | - Invoice/Memo Form - Data Only             |
| <b>ARRIP</b>  | - Invoice/Memo Form                         |
| <b>ARRIPP</b> | - Invoice/Memo Form - Portrait              |
| <b>SORPD</b>  | - SO Pick List - Data Only                  |
| <b>SORPS</b>  | - SO Pick List Form                         |
| <b>SORPSP</b> | - SO Pick List Form - Portrait              |
| <b>SORSP</b>  | - SO Packing Slip Form                      |
| <b>SORSPP</b> | - SO Packing Slip Form - Portrait           |
| <b>SORPP</b>  | - SO Packing Slip Form - Priced             |
| <b>SORPPP</b> | - SO Packing Slip Form - Priced/Portrait    |
| <b>PORRTB</b> | - Receipts MTD Transactions by Batch Report |
| <b>PORRTO</b> | - Receipts MTD Transactions by PO Report    |



<b>PORRTP</b>	– Receipts MTD Transactions by Part Report
<b>ICRCWL</b>	– Physical Count Worksheet by Location
<b>ICRCWP</b>	– Physical Count Worksheet by Part
<b>PDRSBC</b>	– Single Level BOM by Component Report
<b>PDRSBI</b>	– Single Level BOM by Drawing Item Code Report
<b>CIRSS</b>	– Consignment Inventory Stock Status Report
<b>CCUBM</b>	– Configuration Bill of Material Copy
<b>CCUPB</b>	– Configuration Planning Bill Create

## Expandable Alerts

Vineyardsoft released KnowledgeSync 7.8 and detailed release notes are available, some highlights include (for further details see VineyardSoft release notes):

- ❖ Expandable Alerts now supports authentication for outgoing Internet based email
- ❖ All **forms** have been update to the latest 8.4.1 forms (Crystal 11) and should now process faster.
- ❖ Internal database can now be optionally hosted on SQL Server.
- ❖ “Filtering” the display of events in the Navigator module. Now either “all events” or “all active events” may be displayed.
- ❖ Dynamic webcasting (alert dashboards) a single dashboard template can dynamically create personalized dashboards for an unlimited number of people.
- ❖ Optimized job streams. Events within streams can be inter-dependent, can all be based on one dependency, and more.

Note: customers downloading the Upgrade will require a new License from license@expandable. The new license requires the Customer Name and Server Name (where the upgrade is to be loaded) in order to generate the new license.



## Finance

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### Accounts Payable

#### Cleared Checks Entry

Logic added creating records on the new AP Other Batches Table to record the AP batch numbers used for GL transactions written to the APFVT AP Voucher Transaction Table.

#### Handwritten Checks Entry

Logic added creating records on the new AP Other Batches Table to record the AP batch numbers used for GL transactions written to the APFVT AP Voucher Transaction Table.

#### Stop Payment Entry

Logic added creating records on the new AP Other Batches Table to record the AP batch numbers used for GL transactions written to the APFVT AP Voucher Transaction Table.

#### AP Check Update

Logic added creating records on the new AP Other Batches Table to record the AP batch numbers used for GL transactions written to the APFVT AP Voucher Transaction Table.

#### AP Month End Expense Accrual

Logic added creating records on the new AP Other Batches Table to record the AP batch numbers used for GL transactions written to the APFVT AP Voucher Transaction Table.

#### AP Month End Update

Logic added creating records on the new AP Other Batches Table to record the AP batch numbers used for GL transactions written to the APFVT AP Voucher Transaction Table.

### Accounts Receivable

#### AR Remittance Entry

Logic added blocking entry of zero value customer checks that result in a non-zero unapplied amount.

#### Finance Charge Calculation

Logic added creating records on the Invoice Batch Table to record the AR batch numbers used for GL transactions written to the ARFIT AR Invoice Transaction Table.

#### AR Month End Update

Logic added deleting AR Other Batches Table records with a Batch Status of "C" (closed) and for which no corresponding records exist on the ARFIT AR Invoice Transaction Table.



## General Ledger

### Bank Reconciliation

Logic added creating records on the new AP Other Batches Table to record the AP batch numbers used for GL transactions written to the APFVT AP Voucher Transaction Table.

### Batch Record Update

**(GLUBR)**

The GLUBR Batch Purge is a program that can be run in conjunction to the new Real-Time Posting to make sure there are no 'Out of Balances' batches (anything out of balance will not post so the GLUBR fixes them); this update can be used to close batches for normal Expandable processing as well. Note: GLUJB for AP and AR will not select batches which are left with status equal to 'OPEN', GLUBR can be used to close batches and sub-ledgers of AR and AP, which have been left open due to failures in mid-process (machine, network, force task delete or other failure or interruption).

## GL Real-Time Posting [New Module]

**(G3URP)**

A new optional (a license required – contact expandable for free license) module has been added to provide a GL Real-Time Posting Service function that polls Expandable database tables to determine if any entries have been made since the last polling cycle that qualify to be updated to the General Ledger Detail Table (GLFDT) and subsequently to the General Ledger Balances Table (GLFLB).

Records in:

- |  |                |
|--|----------------|
| ❖ Inventory Transactions Table                 | <b>(ICFIT)</b> |
| ❖ Labor Distribution Time Charge Table         | <b>(LDFTC)</b> |
| ❖ Job Scheduling/Costing Journal Voucher Table | <b>(JCFJV)</b> |
| ❖ Purchasing PO GL Transaction Table           | <b>(POFGL)</b> |

will be updated to the General Ledger Detail Table if  
**GL Flag** is equal to **N**.

Records in:

- |                                |                 |
|--------------------------------|-----------------|
| ❖ AP Voucher Transaction Table | <b>(APFVT)</b>  |
| ❖ AR Invoice Transaction Table | <b>(ARFIT)</b>  |
| ❖ GL Journal Detail Table      | <b>(GLFJDT)</b> |

will be updated to the General Ledger Detail Table if  
**GL Flag** is equal to **N**  
AND  
The corresponding **Batch Record** is marked **Closed**.

This service eliminates the need to post all transactions at month-end and provides a 'near real-time' look at the company's financials.



### G3URP Configuration File Parameters

Field	Precision
G3URP_RPT_DIR	128
G3URP_POLL_INT	3,0

## Foreign Currency

### Revalue AP Vouchers

Logic added creating records on the new AP Other Batches Table to record the AP batch numbers used for GL transactions written to the APFVT AP Voucher Transaction Table.

### Revalue AR Invoices

Logic added creating records on the new AR Other Batches Table to record the AR batch numbers used for GL transactions written to the ARFIT AR Invoice Transaction Table.

### Revalue AR Unapplied Checks

Logic added creating records on the new AR Other Batches Table to record the AR batch numbers used for GL transactions written to the ARFIT AR Invoice Transaction Table.

## Manufacturing

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### Inventory Control

#### Kit/Shortage Issue

Logic added rechecking JCFKL Balance Due when transaction is saved to make sure another user isn't also kitting the same job.

### Purchasing

#### Purchase Order Editor

Logic added validating ECN, Job ID, Operation Code, Stores Code and Part ID in the Paste record logic. Logic added not allowing changes to Company ID, Account, Job ID, Operation Code, Order Quantity, Part ID, PO UM and Delivery Date when Receipt Transactions exist for the line.



### **PO from SO Create Workbench (P4UPO) - Special Utility Program**

Release 8.4.1 formally releases this optional utility program. This utility creates Purchase Orders from Sales Orders directly allowing a company to place drop ship orders directly from a Sales Order. Details can be found in Expandable's "***Manufacturing Support Note 24***". The PO From SO Create provides a Workbench for the user who buys parts to fulfill sales order demands and has the parts drop shipped directly from the supplier/vendor to the customer. Typically, these are not MRP parts. The parts are bought specifically for a particular sales order. If a particular part is required to fulfill two different sales orders, two purchase order lines would be required. Sales order demands for the same ship to customer for parts with the same preferred vendor could be included on the same purchase order, but on different lines.

## **PO Receipts Entry**

A new prompt was added allowing the recording of additional receiving information in the Receipt Transaction record via the user field POFRT\_USER\_1 (e.g. Pallet Number, Box Number).

## **Job Scheduling/Costing**

### **Job Editor**

Additional checks were added for a cancelled ECN during Copy/Paste and Duplicate Job functions.

### **WIP Completions Entry**

Logic added that defaults the Sales Order Line Expected SN in serial number screen when Cross Reference Type is C or S.

### **Serial Number Cross Reference Editor**

Logic was added to create a SN Detail Transaction table audit trail record when a cross reference is deleted.

### **Serial Number Cross Reference Viewer [New Features] (JCESXV)**

A new viewer has been added to provide a visual display of an assembly serial number's component serial numbers' structure and other serial number related data. A part browser and serial number browser are also provided. After displaying a serial number structure or a list of job component serial numbers, just right click a serial number to get more information. You will be able to open the Parts Master Editor, the Serial Number Cross Reference Editor, the Serial Number Editor, the Part Serial Number Inquiry, the Serial Number Where Used Inquiry or the SN Cross Reference Report.



Component serial numbers may be added to an assembly's serial number structure (just drag a component serial number from the Job Component Serial Numbers list and drop it on the assembly's serial number in the BOM display) or deleted (highlight and use the Delete key or right-click and select Delete Component SN). The Job Component Serial Numbers list displays stock tracked serialized components that have been kit issued to the job to make the displayed assembly and have not yet been cross referenced to the assembly's individual serial numbers produced by the job.

Click the SN Cross Reference Report button to create a Single Level report, if Single Level is selected, or an Indented report, if Single Level is not selected. If Single Level is selected and one of the component serial numbers has been exploded to display its component serial numbers on the screen, the lower level component serial numbers will not be on the Single Level report.

## **Product Data Control**

### **Bill of Material Viewer**

Additional logic added checking PDEBM Delete and Add rights prior to allowing user to update a bill of material.

## **Materials Management**

### **Shop Dates Generation**

Prompts added allowing the user to specify any day of the week as a non-work day (previously, only Saturday and Sunday could be chosen).



## Marketing/Sales

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### Sales Order

#### Sales Order Editor

Logic was added to validate ECN, Job ID and Part ID in the Paste record logic.

Modified the Market Approval logic to allow either the **Sold To Customer's** or the **Ship To Customer's** Market Area to be used when comparing to a part's Sales Market. (Refer to the Security Rights Options section.)

#### Serial Number Editor

Logic was added to display warning messages if the user attempts to delete a serial number with records on the SN Detail Transaction table or a serial number for a serialized inventory part with SN Status equal to "A", "H", "PS", "CI", "EI" or "LI".

## System and Platform

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### Uploads

#### Shipments Upload Utility

Logic was added to pass 2 user fields from the upload text table to Shipments>Returns Entry.

#### Receipts Upload Utility

Logic was added to pass 2 user fields from the upload text table to PO Receipt Entry.

### Security

#### Active Users Editor

Modifications were made to the display of the licensed and active users grid.

### Advanced Security

#### Program Transaction Timeout Editor (ASEPT)

A new Program Transaction Timeout Editor maintains transaction password timeout values for Expandable transaction programs. If Advanced Security is installed, all transactions will be validated against the Password Timeout table. If a record exists for the program creating the transaction and the time elapsed since the last transaction is greater than the timeout value for the current program, the user will be re-prompted to enter the user's password. Transactions actions that restart the timer include SAVE, RUN, SAVE RECORD.



As an example, assume that both Receipts Entry and Shipments>Returns Entry have a Transaction Password Timeout value of 15 and that a user makes a receipt transaction and then leaves his/her workstation. If that user or another user then tries to make a shipment transaction (or another receipt transaction) at that workstation and more than 15 minutes have elapsed since the prior receipt transaction, a password prompt will be displayed.

Note: This program in conjunction with other Expandable functions (Advanced Security, Audit Log, etc) support enhanced security control aspects of Electronic Records for "FDA Title 21 Code of Federal Regulations (21 CFR Part 11)" and general transaction controls for financial and business requirements.

## General

### *Serial Numbers Increased to 25 Characters*

Serial Number is defined in the dictionary as a 16 character field, but the length can now be increased up to 25 characters. Customers currently using serial numbers of 16 or fewer characters do not have to do anything - the system will still check to ensure that no more than 16 characters can be entered in editors and transaction processors. To use serial numbers with more than 16 but less than 26 characters, contact [Expandable Software Customer Support](#) for instructions as six data elements will require field length changes. All screens, reports and tables have been modified to handle a 25 character serial number.

### *Expandable "Help" Update*

Microsoft has dropped support for WinHelp and Expandable has moved its Help functionality from WinHelp to HTML. All Expandable Help documentation remains the same; however, there is a slightly different look and feel to the Help Menu with the new HTML help. For Vista Users, this also eliminates the need for the WinHelp32 patch required for Vista.



## Customer Feature Requests Added/Addressed In Release

Ref	Program(s)	Brief Request Description	Customer
9257 CER-141	SOEOE SOESN JCESX JCISUG JCISXG Etc.	Increase SERIAL_NUMBER field to allow 25 characters from the current 16 characters	Trapeze, Navistar
9361 CER-148	SOEOE SOESN JCESX JCISUG JCISXG Etc.	Request that the length for serial number fields be increased from 16 to 32.  (Partial Address to 25 CHARS in 8.4.1)	Crystal Group, Remstar
CER-644	New Module	Real Time GL Posting (users: YES YES YES!!!) needed for SOX Can we move it up the priority list??"  User Feature Requests from Support session (Jeannie and Mary): Auto Post transactions to the GL....almost everyone in the room wanted this one. Also requested in Product Road Map session (Wes, Dennis)	IEUGA 2008 Many Customers Requested this Feature
15881, 15882		AR Remittance Entry – block entry of zero value customer checks that result in a non-zero unapplied amount.	Senstar
3251, 15886, 15887, 15889, 15889		Single Level Bill of Material Reports by Component/Drawing Item Code – add option to include Vendor Part data for components.	Sonic Paragon
10919, 10920		Kit/Shortage Issue – add logic to recheck JCFKL Balance Due when transaction is saved to make sure another user isn't also kitting the same job.	Keri
15576, 15577, 15860, 15861		Shipments Upload Utility – pass 2 user fields from the upload text table to Shipments>Returns Entry.	PSG
15558, 15559		Receipts Upload Utility - pass 2 user fields from the upload text table to PO Receipt Entry.	PSG



## New Products, Systems and Obsolete Product

### New Modules and Interfaces

Module or Interface	Expandable Part Number	Applicable Release(s)
Expandable & SalesLogix 7.5 Integration Engine	SLI 2.0.1 Rev 8.4.1	Expandable Rls 8.4.1 SalesLogix 7.5
Real Time General Ledger	G3URP	Expandable Rls 8.4.1
Expandable ERP Integration For Salesforce CRM	INT4-SFDC-01 INT4-SFDC-02 INT4-SFDC-03 INT4-SFDC-04	Version 8.4.0.x Version 8.4.0.x Version 8.4.0.x Version 8.4.0.x

### New Systems and Interfaces Supported by Release

System Supported	Expandable Part Number	Applicable Release(s)
Microsoft XP Service Pack 3	N/A	Required for Expandable Rls 8.4.1
Microsoft SQL Server 2005 Standard	MSSQL-01-S-05	Expandable Rls 8.4.1
Microsoft SQL Server 2008 Standard	MSSQL-01-S-08	Expandable Rls 8.4.1 Recommended (Running in SQL 2005 Compatibility Mode)
Crystal Reports Version 11	CRSTL1FP-11	Expandable Rls 8.4.1 <b>Note:</b> Crystal 11 no longer supports the Delphi DLL allowing the Print Preview Search Tree. For release 8.4.1 these feature has been disabled until a solution can be worked with vendors.
Expandable ERP Integration for Salesforce CRM	INT4-SFDC-01 INT4-SFDC-02 INT4-SFDC-03 INT4-SFDC-04	Version 8.4.0.X Version 8.4.0.X Version 8.4.0.X Version 8.4.0.X
Expandable & SalesLogix 7.2.0 Integration Engine	SLI 2.0.1 Rev 8.4.1	Expandable Rls 8.4.1 only



## Systems and Interfaces Not Supported by Release

System Not Supported	Expandable Part Number	Applicable Release(s)
Expandable & SalesLogix Integration	SLI 2.0.1 Rev 8.4.0	Expandable Rls 8.4.0 only
Expandable & SalesLogix Integration	SLI 2.0.1 Rev 8.1.3	Expandable Rls 8.1.3 only
Microsoft SQL Server 2000 Standard	MSSQL-01-S	

## Future Planning of Obsolete Product

Planning for Obsolete	Expandable Part Number	Last Planned Release(s)
Microsoft SQL Server 2005 Standard	MSSQL-01-S-05	Expandable Rls 8.4.1
Crystal Reports Version 10	CRSTL1FP-10	Expandable Rls 8.4.x Future Releases will not support*

\* For Planning Only, Expandable Reserves the right to modify future plans

\*\* Check with Expandable Product Support for Current System Requirement Details



## User Notes:

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