

RELEASE NOTES



EXPANDABLE VERSION 8.4

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Table of Contents

TABLE OF CONTENTS	2
HIGHLIGHTS	3
RELEASE 8.4 AT A GLANCE.....	3
NEW SECURITY RIGHTS OPTIONS	3
NEW CRYSTAL REPORT	4
MODIFIED CRYSTAL REPORTS.....	4
MODIFIED SYSTEM INQUIRIES	6
NEW FIELDS ADDED TO EXISTING TABLES	6
CHANGES MADE TO EXISTING TABLES.....	8
NEW DATABASE TABLES.....	10
SYSTEM	11
SECURITY	11
LICENSING 2.1	11
GENERAL ENHANCEMENTS	11
NEW OPTIONAL MODULES	11
FINANCE.....	13
ACCOUNTS PAYABLE.....	13
ACCOUNTS RECEIVABLE	14
GENERAL LEDGER	14
MANUFACTURING.....	15
MULTI-RUN PLANNING (NEW MODULE!!).....	15
PURCHASING	16
MATERIALS MANAGEMENT	17
MASTER SCHEDULING.....	19
JOB SCHEDULING AND COSTING.....	19
INVENTORY CONTROL	21
TAG INVENTORY	23
CONSIGNMENT INVENTORY.....	23
LOT TRACKING	23
PRODUCT DATA CONTROL.....	23
SHOP ROUTING	24
LABOR DISTRIBUTION	25
CONFIGURATION CONTROL.....	25
PURCHASE REQUISITIONS	25
MARKETING/SALES	27
SALES ORDER.....	27
SYSTEM AND PLATFORM	29
REPORT MANAGER	29
AUDIT LOG	29
CUSTOMER FEATURE REQUESTS ADDED/ADDRESSED IN RELEASE	30
NEW PRODUCTS, SYSTEMS AND OBSOLETE PRODUCT.....	31
NEW MODULES AND INTERFACES	31
NEW SYSTEMS AND INTERFACES SUPPORTED BY RELEASE	31
SYSTEMS AND INTERFACES NOT SUPPORTED BY RELEASE	32
FUTURE PLANNING OF OBSOLETE PRODUCT.....	32
USER NOTES:.....	33



Highlights

Release 8.4 At A Glance

- ❖ New optional Multi-Run Planning Module
- ❖ New MRP Top Level Pegging
- ❖ New Part Plan Create From Sales Order Utility
- ❖ Added annotate notes and attachments to the Receipts Notes Editor, Receipts Entry, Job Transaction Notes Editor, WIP Completions Entry, Routing Master Editor and Tooling Master Editor
- ❖ Added ability to transfer parts between consignment storerooms
- ❖ New SN Inventory Spreadsheet Create and SN Inventory Status Update Utilities
- ❖ New AP Check Selection Purge
- ❖ New AP Check Distribution Report
- ❖ Crystal Report speed-up plus Crystal 10 upgrade and reports converted to Microsoft's ActiveX Data Objects (ADO) connection
- ❖ Converted Expandable database access from Borland's Database Engine (BDE) connection to Microsoft's Microsoft's ActiveX Data Objects (ADO) connection
- ❖ Modified the Expandable login logic to only count a user once regardless of the number of times the user logs into Expandable on the same client
- ❖ Enhanced e-Purchase Requisitions to allow processing of stock buys

New Security Rights Options

APTSP - Stop Payment Entry

Option 1 – Allow stop payment of reconciled checks.

AREIM - AR Invoice Editor

Option 2 – Allow editing of cancelled and closed invoices.

ICTAE - Adjustments Entry

Option 1 – Allow adjustments to stock tracked serialized parts.

ICTKI - Kit/Shortage Issue

Option 7 – Do not allow automatic Kit Complete processing for all of a job's Kit records at the same time regardless of Operation Code and Kit Stores. If this Rights Option is turned off and



Operation Code is zero and Kit From Stores is blank and “Kit Complete” is checked, all Kit records for the job will be displayed in the grid when the Execute Query button is clicked.

Option 8 – Do not allow kitting from a storeroom other than the Kit From Stores identified on the component’s Kit List record. If this Rights Option is turned off and “Prompted” is checked, the Kit From Stores can be changed to a storeroom other than the Kit From Stores identified on the component’s Kit List record. If the user wants to issue an entire kit and needs to issue an item within the kit from a storeroom that is different from the Kit List storeroom, the Prompted mode should be used to kit that particular item or items first and then do Kit Complete for the remainder of the kit.

ICTST – Stores Transfer

Option 1 – Do not allow transfers between two Consigned Inventory (Stores Type “C”) storerooms.

POEOE – Purchase Order Editor

Option 10 – Display warning message if another purchase order has already been placed for the job and operation referenced on the order being entered.

SRERM – Routing Master Editor

Option 1 – Prompt labor and machine run times per part in hours. Turning this option off allows labor and machine run time per part to be entered in minutes. Labor and machine run times per part are posted to the database in hours regardless of the Option 1 setting.

New Crystal Report

AP Invoice Distribution by Check Number

The new report shows detailed information of AP account distribution, i.e., which vendor invoices have been paid by which checks. The report subtotals by Company, Department and Account. Additional sort within department is by Vendor ID, Year and Month. All or a specific subset of checks may be reported by using the Record Selection tab. Selection fields are Batch Number (from AP Check Update), Check Number, Month or Year.

Modified Crystal Reports

All reports have been tested with the latest Crystal 10 DLLs available at the time of testing.

The database field named REFERENCE_2 was changed to LOT_ID in all tables to reflect the actual data that is stored in the field. Any custom reports that were developed using REFERENCE_2 must be modified to use LOT_ID (refer to the Changes Made to Existing Tables section starting on Page 8).



Custom Crystal Report Alerts

A new Print Orientation parameter has been added to all reports (L – landscape, P – portrait). The upgrade to Release 8.4 will set this value to ‘L’ for any custom reports users have defined using the Report Manager. If this default is not correct, users can change it via the Report Manager. The addition of this parameter allows passing of the form orientation to the printer driver via the CRPE32.DLL and overcomes printing issues terminal server users were experiencing.

Because Expandable ERP/MRP now connects with Microsoft’s ADO connections, End User’s Custom Crystal Reports that are executed through the Expandable Report Manager will also require updates to these reports to connect via ADO to the SQL Server; otherwise the reports will generate an execution error.

AP Batch Register

Added printing of Program ID to help users distinguish between APTIE (AP Invoice/Memo Entry) invoices and APTIG (AP Invoice Entry (Grid)) invoices.

AP Aged Invoices By Vendor Name – Condensed

Added logic to display a message when the vendor balance is different than the report total for the vendor. This message already exists on the regular aged reports.

Sales MTD Transactions by Batch, by Customer, by Part and by SO:

Modified to include both Customer ID and Ship To Customer as Available Selection Fields. Previously, Customer ID was used to select by Ship To Customer. Now selection can be done by either Customer ID or Ship To Customer.

Lot Where-Used Report

Modified logic to correct a situation where Level 1 where-used information could be repeated at Level 2 if a lot was issued to a rework job for repair.

Faster Report Processing

The record selection logic in the following reports was modified to speed up processing:

- ❖ AP Aged Invoices By Vendor Name
- ❖ AP Batch Register
- ❖ AP 1099 Detail of Payments
- ❖ AP 1099 MISC Form
- ❖ AP Open Receipts/Returns By Account
- ❖ AP Open Receipts/Returns By PO
- ❖ AP Open Receipts/Returns By Vendor
- ❖ AP Open Receipts/Returns By Part
- ❖ AP Open Receipts/Returns By Part – Condensed
- ❖ AR Invoice Batch Register
- ❖ Master Schedule By Planner
- ❖ Current vs. New Costed Stock Status
- ❖ Current vs. New Costed QC Status
- ❖ Product Data Exceptions
- ❖ Aged PO Commitments By Account
- ❖ Aged PO Commitments By Vendor
- ❖ Blanket Contract Status By PO
- ❖ Blanket Contract Status By Vendor ID
- ❖ Blanket Contract Status By Vendor Name
- ❖ Blanket Order Status By PO
- ❖ Blanket Order Status By Vendor ID



- ❖ AR Bank Deposit Slip
- ❖ AR Check Batch Register
- ❖ AR RMA Summary
- ❖ AR Open Shipments>Returns
- ❖ AR Customer Statement Form
- ❖ AR Unapplied Checks By Bank Code
- ❖ AR Unapplied Checks By Customer
- ❖ GL Account Summary By Account
- ❖ GL Account Summary By Department
- ❖ GL Detail Transactions By Journal
- ❖ Trial Balance – Post Month End Update
- ❖ Costed Stock Status By Stores Code
- ❖ Inventory GL Transactions By Account
- ❖ Inventory GL Transactions By Department
- ❖ Inventory Reorder Point
- ❖ Shop Traveler
- ❖ Job Cost Variance By Part
- ❖ Kit Availability By Component
- ❖ Time Charge Batch Register
- ❖ LD GL Transactions By Department
- ❖ Lot QC/MRB Status By Lot
- ❖ Lot QC/MRB Status By Part
- ❖ MRP No Demand
- ❖ Master Schedule By Part
- ❖ Blanket Order Status By Vendor Name
- ❖ Receiving Inspection Costed Status
- ❖ Receiving Inspection Status
- ❖ Receiving Inspection Status By Part
- ❖ Purchase Expediting By Part
- ❖ Purchase Order Form – Data Only
- ❖ Purchase Quotation Form
- ❖ Purchase Requisition Form
- ❖ Purchase Receiver Form
- ❖ Receipt MTD Transactions By Part
- ❖ Scheduled Receipts By Part
- ❖ Order Backlog By Customer
- ❖ SO Packing Slip Form
- ❖ SO Packing Slip Form - Portrait
- ❖ SO Parts Availability By Part
- ❖ SO Parts Availability By SO
- ❖ Return Material Authorization Form
- ❖ Sales Quotation Form
- ❖ Scheduled Sales By Customer
- ❖ Scheduled Sales By Part
- ❖ Routing Job Cost Variance By Job
- ❖ Work Load Center
- ❖ Inventory Tags By Part

Modified System Inquiries

Voucher Transactions Inquiry has been modified to exclude passing of Invoice ID and Vendor ID when drilling down to the Vendor Invoices Inquiry. Only Voucher ID will be passed.

AR Invoice Transactions Inquiry has been modified to exclude passing of SO ID and Customer ID when drilling down to the Customer Invoices Inquiry. Only Invoice Number will be passed.

Added Shelf Life to the Part Lots Inquiry and Lot Stock Status Inquiry.

Added Source ID 2, Program ID and Date Created to the MRP Part Plan Inquiry. Added Source ID 2 and Program ID to the selection criteria.

Added a drill down from the Shipment Transactions Inquiry to the Part Serial Numbers Inquiry.

Added a drill down from the ECN Inquiry to the ECN Parts Affected Inquiry.

Added a drill down from the ECN Parts Affected Inquiry to the Single Level Bills of Material Inquiry and the Single Level Where Used Inquiry.

Added a Part Total and a Total for All Displayed Parts to the Multiple Location Stock Status Inquiry.

New Fields Added to Existing Tables

ICFIT Inventory Transactions Table

Field	Precision
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PHYSICAL_QTY	14,4
IA_REASON	4
CREATED_BY	8
DATE_CREATED	Datetime
ICFIT_USER_1	24
ICFIT_USER_2	24
URL_ADDRESS	128 (defined for future use)
NOTE_TEXT	(defined for future use)

POFRT Receipts Transactions Table

Field	Precision
CREATED_BY	8
DATE_CREATED	Datetime

POFPH PO History Table

Field	Precision
CREATED_BY	8
DATE_CREATED	Datetime

POFGL PO-GL Transactions Table

Field	Precision
CREATED_BY	8
DATE_CREATED	Datetime

SOFST Shipment Transactions Table

Field	Precision
CREATED_BY	8
DATE_CREATED	Datetime

ICFCD Cost Detail Transactions Table

Field	Precision
CREATED_BY	8
DATE_CREATED	Datetime

ICFJV Journal Voucher Table

Field	Precision
CREATED_BY	8
DATE_CREATED	Datetime

MMFMR Material Requirements Table

Field	Precision
TOP_LEVEL_PEG	72
MRP_SEQ_NO	8.0

MMFPP Part Plan Table

Field	Precision
SOURCE_ID_2	24
PROGRAM_ID	6



DATE_CREATED	Datetime
CREATED_BY	8
OPERATOR_ID	8

MMFPG Pegging Table

Field	Precision
MRP_SEQ_NO	8.0

PDFBM Bill of Material Table

Field	Precision
PDFBM_USER_1	10.4
PDFBM_USER_2	10.4
PDFBM_USER_3	10.6
PDFBM_USER_4	Date
PDFBM_USER_5	16
PDFBM_USER_6	16
PDFBM_USER_7	32
PDFBM_USER_8	32
DATE_CREATED	Datetime
CREATED_BY	8
OPERATOR_ID	8

RMFRPT Report Definition Table

Field	Precision
PR_ORIENTATION	1

Changes Made to Existing Tables

ICFIT Inventory Transactions Table

- Renamed REFERENCE_2 field to LOT_ID.
- Increased PROGRAM_ID field to 6 characters.
- Deleted DELETE_FLAG field

POFRT Receipts Transactions Table

- Renamed REFERENCE_2 field to LOT_ID.
- Increased PROGRAM_ID field to 6 characters.
- Deleted DELETE_FLAG field.

POFPH PO History Table

- Renamed REFERENCE_2 field to LOT_ID
- Deleted DELETE_FLAG field.



POFGL PO-GL Transactions Table

Increased PROGRAM_ID field to 6 characters.

Deleted DELETE_FLAG field.

SOFST Shipment Transactions Table

Renamed REFERENCE_2 field to LOT_ID.

Increased PROGRAM_ID field to 6 characters.

Deleted DELETE_FLAG field.

SOFSN Serial Number Table

Renamed REFERENCE_2 field to LOT_ID

Deleted DELETE_FLAG field.

ICFCD Cost Detail Transactions Table

Renamed REFERENCE_2 field to LOT_ID.

Increased PROGRAM_ID field to 6 characters.

Deleted DELETE_FLAG field.

ICFJV Journal Voucher Table

Increased PROGRAM_ID field to 6 characters.

Deleted DELETE_FLAG field.

PDFBM Bill of Material Table

Deleted DELETE_FLAG field.

TIFTG Tag Inventory Table:

Renamed REFERENCE_2 field to LOT_ID.

Deleted DELETE_FLAG field.

MMFPP Part Plan Table

Deleted DELETE_FLAG field.

Primary Index – PART_ID, SOURCE_ID, SOURCE_ID_2, PLAN_SHIP_DATE



MMFMR Material Requirements Table

Primary Index – PART_ID, PLAN_DAY, ACTION_TYPE, MRP_SEQ_NO, RECNUM

MMFPG Pegging Table

Primary Index – PART_ID, PLAN_DATE, PEGGING_TYPE, MRP_SEQ_NO, RECNUM

ALFTD Audit Log File Transaction Detail Table

Increased PROGRAM_ID field to 60 characters.

New Database Tables

APFSP AP Check Selection Purge Table

POFRNA Receipt Note Attachments Table

POFRNN Receipts Note Notes Table

JCFTNA Job Transaction Note Attachments Table

JCFTNN Job Transaction Note Notes Table

SRFRMA Routing Master Attachments Table

SRFRMN Routing Master Notes Table

SRFTMA Tooling Master Attachments Table

SRFTMN Tooling Master Notes Table

MRFRP Multi-Run Parameters Table

MRFAV Multi-Run Available To Promise Table

MRFSF Multi-Run Sales Forecast Table

MRFMS Multi-Run Master Schedule Table

MRFPD Multi-Run Plan Detail Table

MRFMR Multi-Run Material Requirements Table

MRFPG Multi-Run Pegging Table

MRFPP Multi-Run Part Plan Table



System

Company Editor

Changed the window label “User Field 1” to “Federal Tax ID”. In the AP 1099 MISC form this field is always printed as the Federal Tax ID.

Information Links Editor

Added external lookup buttons (rolodex) at Program ID and Destination Program ID.

Security

Active Users Editor

Modified the status information display to add information regarding e-Sales and e-Purchase Requisition users if the applications are licensed.

Licensing 2.1

Modified the Expandable login logic to only count a user once regardless of the number of times the user logs into Expandable on the same client. This capability is not available to clients deployed via WTS or Citrix.

General Enhancements

Converted Expandable database access from Borland Database Engine (BDE) connection to Microsoft ActiveX Data Object (ADO) connection.

OSQL has been changed to SQLCMD in all script and batch files. The OSQL utility will be removed in a future version of Microsoft SQL Server. Also, OSQL uses ODBC to do database connections.

SQL 2000 will no longer be supported after Release 8.4.x

Date Created and **Created By** have been added to a number of master and transaction tables (refer to the New Fields Added to Existing Tables and Changes Made To Existing Tables sections starting on Page 6). **Created By** represents the Operator ID of the originator of the record. It never changes when updates are made to existing records. Operator ID represents the last update of the record. **Date Created** represents the server date and time the record was originally added to the database. It never changes when updates are made to existing records. All appropriate editors where Date Created is displayed have been modified to allow full display of date and time in the Date Created window.

New Optional Modules

Multi-Run Planning (see §Multi-Run Planning (NEW MODULE!!) on page 15)





Finance

Accounts Payable

Enhancements

AP Voucher Editor

Modified the logic to change the Stop message to a Warning message if the GL Account being charged is an Equity Account. This change is to make the account validation the same as the one in AP Invoice/Memo Entry.

Stop Payment Entry

Added logic to control which users are allowed to do stop payment of reconciled checks. If Rights Option 1 is Off, the user cannot perform a stop payment on a reconciled check.

AP Check Selection Purge

Added a new utility to allow the user to remove all records from the AP Check Batch table (APFCB) and move these records to the AP Check Selection Purge Table (APFSP). This provides the user with a way to clear the AP Check Batch table and restart the check selection process, as well as an audit trail for the deleted AP Check Batch records.

AP Check Print

Added logic to display an error message if any Check Batch records have a non-blank Check Number and Restart Only is not checked.

AP Transaction Purge

Added logic for purging records from the AP Check Selection Purge table.

New Security Rights Options

APTSP – Stop Payment Entry

Option 1 – Allow stop payment of reconciled checks.

New Database Table

APFSP AP Check Selection Purge Table



New Crystal Report

AP Invoice Distribution by Check Number

The new report shows detailed information of AP account distribution, for example, which vendor invoices have been paid by which checks. The report subtotals by Company, Department and Account. Additional sort within department is by Vendor ID, Year and Month. All or a specific subset of checks may be reported by using the Record Selection tab. Selection fields are Batch Number (from AP Check Update), Check Number, Month or Year.

Modified Crystal Reports

AP Batch Register

Added printing of Program ID to help users distinguish between APTIE invoices and APTIG invoices.

AP Aged Invoices By Vendor Name – Condensed

Added logic to display a message when the vendor balance is different than the report total for the vendor. This message already exists on the regular aged reports.

Accounts Receivable

Enhancements

AR Invoice Editor

Added logic to not allow editing of cancelled and closed invoices when Rights Option 2 is Off.

New Security Rights Options

AREIM – AR Invoice Editor

Option 2 – Allow editing of cancelled and closed invoices

General Ledger

Enhancements

Journal Voucher Entry

Modified the logic to correct a problem where multiple error messages could be displayed when an Action Date later than the current date was entered.

Journal Batch Register Utility

Modified the logic so Labor Distribution Time Charge records with zero amounts are passed to GL. This will allow vacation and sick leave zero charge records to have their GL Flags set to 'Yes'.



Manufacturing

Multi-Run Planning (NEW MODULE!!)

New Optional Module Introduction – Multi-Run Planning (MR)

A new optional Multi-Run Planning module that provides a means to retain the resultant data from Master Scheduling (MPS) and/or Material Requirements (MRP) runs for historical review or comparative data analysis. The data from each MPS-MRP run are stored by a user assigned Run ID in tables with formats similar to the MPS and MRP tables. A Multi-Run Parameters table stores the parameters used to create the saved MPS-MRP runs. Inquiries and reports similar to the MPS and MRP inquiries and reports are available.

Inquiries:

- ❖ Multi-Run MPS Available to Promise
- ❖ Multi-Run Master Schedules
- ❖ Multi-Run MPS Plan Detail
- ❖ Multi-Run MPS Pegging
- ❖ Multi-Run MPS Part Plans
- ❖ Multi-Run MPS Requirements Planning
- ❖ Multi-Run MPS Sales Forecast

Reports:

- ❖ Multi-Run Forecast vs Demand
- ❖ Multi-Run Material Purchase Requisition
- ❖ Multi-Run Master Schedule By Planner
- ❖ Multi-Run Master Schedule By Part
- ❖ Multi-Run MRP No Demand
- ❖ Multi-Run MPS-MRP Parameter Values
- ❖ Multi-Run Material Requirements

Purge Utility:

- ❖ Multi-Run Purge Utility



Purchasing

Enhancements

Receipt Notes Editor

Added annotation notes and attachment capabilities.

Receipts Entry

Modified logic to replace the Receipt Notes dialog box with a link to the Receipt Notes Editor so annotation notes and attachments can be included for receipt transactions. Linkage is via the Annotate Notes button on the transaction screen.

Purchasing History Purge

Added logic to delete Receipt Notes annotation notes and attachments when Receipt Notes table records are deleted.

PO Spreadsheet Create Utility

Added a column for Delivery Date to the Export table. Delivery Date is set to Plan Date minus Receiving LT.

PO Create Utility

Added logic to pass the new Delivery Date column data to the Purchase Order Editor when creating purchase order lines from the tab delimited input table.

Purchase Order Editor

Added logic to allow the warning message "Purchase Order < PO_ID> is already referenced on this job and operation." to be turned off when Rights Option 10 is Off.

New Security Rights Options

POEOE – Purchase Order Editor

Option 10 – Display warning message if another purchase order has already been placed for the job and operation referenced on the order being entered.

New Fields Added to Existing Tables

POFRT Receipts Transactions Table

Field	Precision
CREATED_BY	8
DATE_CREATED	Datetime

POFPH PO History Table

Field	Precision
-------	-----------



CREATED_BY	8
DATE_CREATED	Datetime

POFGL PO-GL Transactions Table

Field	Precision
CREATED_BY	8
DATE_CREATED	Datetime

Changes Made to Existing Tables

POFRT Receipts Transactions Table

- Renamed REFERENCE_2 field to LOT_ID.
- Increased PROGRAM_ID field to 6 characters.
- Deleted DELETE_FLAG field.

POFPH PO History Table

- Renamed REFERENCE_2 field to LOT_ID
- Deleted DELETE_FLAG field.

POFGL PO-GL Transactions Table

- Increased PROGRAM_ID field to 6 characters.
- Deleted DELETE_FLAG field.

New Database Tables

- POFRNA** Receipt Note Attachments table
- POFRNN** Receipts Note Notes table

Materials Management

Enhancements

Part Plan Editor

Added logic for the new Source ID 2 and Program ID fields. Source ID 2 can be used to further identify the source of a Part Plan entry. Program ID is set to "MMEPP" for all records manually entered using the Part Plan Editor (refer to the New Fields Added to Existing Tables and Changes Made To Existing Tables sections).

Planning Workbench Utility

Added a column for Scheduled Delivery Date to the Workbench Transactions Entry grid. For buy and expense parts, Scheduled Delivery Date is set to Plan Date minus Receiving LT.



Added logic to pass the Scheduled Delivery Date data to the Purchase Order Editor when creating purchase order lines from the grid.

Requirements Generations Utility

Added logic to set the new Top Level Pegging field when creating demand records on the Material Requirements table. This field is used to carry a notation identifying the higher level assembly which generated a requirement for a particular component. This could be a demand passed down from a finished goods assembly's Part Plan record, a demand passed down from a higher level assembly's job or a demand from a higher level assembly safety stock shortage. With this change, a part's multiple demand requirements for the same Plan Date will no be summarized into one "RM" record. Each demand will be treated separately so individual top level pegging can be tracked and reported for each.

Added logic to save the run data to the new optional Multi-Run Planning module tables if the module is licensed and the user has assigned a Run ID under which to save the data.

Part Plan Create From SO Utility

Added a new function that creates Part Plan (demand) records from open sales orders. As an option, On Hold sales orders, Unapproved sales orders, SO Quotations and/or SO Forecasts can be included. Sales orders for non-MPS parts and pre-release parts can be included. Data are selected based on a user defined Scheduled Ship Date. The Stores Code MRP Flag and an input list of Stores Codes are also used to select the demand data. Each Part Plan record is assigned a Source ID equal to the SO ID of the selected sales order. A secondary Source ID contains the SO Line Number. All Part Plan records are deleted before posting the new MPS demand if Zero Part Plan Table is selected. If Zero Part Plan Table is not selected, only those part plan records with Program ID equal to MMUPC will be deleted.

New Fields Added to Existing Tables

MMFMR Material Requirements Table

Field	Precision
TOP_LEVEL_PEG	72
MRP_SEQ_NO	8.0

MMFPP Part Plan Table

Field	Precision
SOURCE_ID_2	24
PROGRAM_ID	6
DATE_CREATED	Datetime
CREATED_BY	8
OPERATOR_ID	8

New Fields Added to Existing Tables (continued)

MMFPG Pegging Table

Field	Precision
MRP_SEQ_NO	8.0



Changes Made to Existing Tables

MMFPP Part Plan Table

Deleted DELETE_FLAG field.

Primary Index – PART_ID, SOURCE_ID, SOURCE_ID_2, PLAN_SHIP_DATE

MMFMR Material Requirements Table

Primary Index – PART_ID, PLAN_DAY, ACTION_TYPE, MRP_SEQ_NO, RECNUM

MMFPG Pegging Table

Primary Index – PART_ID, PLAN_DATE, PEGGING_TYPE, MRP_SEQ_NO, RECNUM

Master Scheduling

Enhancements

Part Plan Create From SO Utility

Added logic to set the new Program ID field to “MSUPP” when creating records on the Part Plan table.

Master Schedule Create Utility

Added logic to save the run data to the new optional Multi-Run Planning module tables if the module is licensed and the user has assigned a Run ID under which to save the data.

Job Scheduling and Costing

Enhancements

Job Transaction Notes Editor

Added annotation notes and attachment capabilities.

WIP Completions Entry

Modified the logic to replace the Job Transaction Note dialog box with a link to the Job Transaction Notes Editor so annotation notes and attachments can be included for a job and operation transactions. Linkage is via the Annotate Notes button on the transaction screen.

Job Month End Update

Added logic to retain job notes and job attachments when jobs are moved to the Job History Master table unless Job Status is “X” (cancelled).



Job History Purge

Added logic to delete Job Transaction Notes annotation notes and attachments when Job Transaction Notes table records are deleted.

Added logic to delete job notes and job attachments when Job History Master table records are deleted.

New Fields Added to Existing Tables

JCFCD Cost Detail Transactions Table

Field	Precision
CREATED_BY	8
DATE_CREATED	Datetime

JCFJV Journal Voucher Table

Field	Precision
CREATED_BY	8
DATE_CREATED	Datetime

Changes Made to Existing Tables

JCFCD Cost Detail Transactions Table

Renamed REFERENCE_2 field to LOT_ID.

Increased PROGRAM_ID field to 6 characters.

Deleted DELETE_FLAG field.

JCFJV Journal Voucher Table

Increased PROGRAM_ID field to 6 characters.

Deleted DELETE_FLAG field.

New Database Tables

JCFTNA Job Transaction Note Attachments table

JCFTNN Job Transaction Note Notes table

New Utilities

J3UJSU Job Schedule Upload Utility (Preactor to Expandable)

This utility requires licensing of the upload to be used in interfacing the Preactor product to Expandable. Preactor provides a family of Finite Capacity Scheduling (FCS) and Advanced Planning and Scheduling (APS) products in the management of production floor planning, scheduling and throughput. The Expandable Utility, J3UJSU is compatible with Preactor 200,



300 and APS version 9.x and 10.x standard routings and dependant work orders and interfaces with Expandable Jobs. The utility input is in the form of a TAB Delimited file containing: Job ID, Operation, Scheduled Kit, Scheduled Start, Scheduled Complete, Work Center and Processed Flag in the synchronization of information with Expandable.

Inventory Control

Enhancements

Kit/Shortage Issue

Added logic to allow all kit records for a job to be issued at the same time when doing a Kit Complete when Rights Option 7 is Off (refer to the New Security Rights Options section).

Added logic to allow the Kit Stores to be changed for a component when doing a prompted kit issue and Rights Option 8 is Off (refer to the New Security Rights Options section).

Adjustments Entry

Added logic for a new Adjustment Reason prompt to allow recording of adjustment reasons on the Inventory Transactions table (see IA_REASON field of ICFIT Table). A table of valid values for the new reason code can be added using the Table Values Editor (XXETV).

Added logic to set the new Inventory Transactions table PHYSICAL_QTY field to the prior On Hand Quantity plus the Adjustment Quantity (refer to the New Fields Added to Existing Tables and Changes Made To Existing Tables sections).

Added logic to not allow inventory adjustment to stock tracked serialized parts when Rights Option 1 is Off (refer to the New Security Rights Options section).

Physical Count Audit Utility

Added logic to set the new Inventory Transactions table PHYSICAL_QTY field to the Count Quantity (refer to the New Fields Added to Existing Tables and Changes Made To Existing Tables sections).

Stores Transfer

Added logic for a new Adjustment Reason prompt to allow recording of transfer reasons on the Inventory Transactions table.

Inventory Month End Update

Modified logic to correct a problem where the record counters at the end of the report were printing as blank or zero when "Purge Inventory Transactions" was unchecked.

New Security Rights Options

ICTAE – Adjustments Entry

Option 1 – Allow adjustments to stock tracked serialized parts.



ICTKI – Kit/Shortage Issue

Option 7 – Do not allow automatic Kit Complete processing for all of a job’s Kit records at the same time regardless of Operation Code and Kit Stores. If this Rights Option is turned off and Operation Code is zero and Kit From Stores is blank and “Kit Complete” is checked, all Kit records for the job will be displayed in the grid when the Execute Query button is clicked.

Option 8 – Do not allow kitting from a storeroom other than the Kit From Stores identified on the component’s Kit List record. If this Rights Option is turned off and “Prompted” is checked, the Kit From Stores can be changed to a storeroom other than the Kit From Stores identified on the component’s Kit List record. If the user wants to issue an entire kit and needs to issue an item within the kit from a storeroom that is different from the Kit List storeroom, the Prompted mode should be used to kit that particular item or items first and then do Kit Complete for the remainder of the kit. Highlights

ICTST – Stores Transfer

Option 1 – Do not allow transfers between two Consigned Inventory (Stores Type “C”) storerooms.

New Fields Added to Existing Tables

ICFIT Inventory Transactions Table

Field	Precision
PHYSICAL_QTY	14,4
IA_REASON	4
CREATED_BY	8
DATE_CREATED	Datetime
ICFIT_USER_1	24
ICFIT_USER_2	24
URL_ADDRESS	128 (defined for future use)
NOTE_TEXT	(defined for future use)

Changes Made to Existing Tables

ICFIT Inventory Transactions Table

Renamed REFERENCE_2 field to LOT_ID.

Increased PROGRAM_ID field to 6 characters.

Deleted DELETE_FLAG field



Tag Inventory

Changes Made to Existing Tables

TIFTG Tag Inventory Table:

Renamed REFERENCE_2 field to LOT_ID.

Deleted DELETE_FLAG field.

Consignment Inventory

Stores Transfer

Added logic to allow transfer of parts between consignment storerooms when Rights Option 1 is Off.

New Security Rights Options

ICTST – Stores Transfer

Option 1 – Do not allow transfers between two Consigned Inventory (Stores Type “C”) storerooms.

Lot Tracking

Enhancements

Changed the database field named REFERENCE_2 to LOT_ID to reflect the actual data that is stored in the field. Any custom reports that were developed using REFERENCE_2 must be modified to use LOT_ID. All programs, inquiries and standard reports that use or create records on the Inventory Transactions table, Receipts Transactions table, PO History table, Shipment Transaction table, Serial Number table, Job Cost Detail Transaction table and Tag Inventory table have been modified (refer to the New Fields Added to Existing Tables and Changes Made To Existing Tables section starting on Page 6).

Modified Crystal Report

Lot Where-Used Report

Modified logic to correct a situation where Level 1 where-used information could be repeated at Level 2 if a lot was issued to a rework job for repair.

Product Data Control

Enhancements

Bill of Material Editor

Added logic for eight user fields (refer to the New Fields Added to Existing Tables and Changes Made To Existing Tables sections).



Bill of Material Viewer

Added the component's Unit of Measure to the assembly's product structure display.

New Fields Added to Existing Tables

PDFBM Bill of Material Table

Field	Precision
PDFBM_USER_1	10.4
PDFBM_USER_2	10.4
PDFBM_USER_3	10.6
PDFBM_USER_4	Date
PDFBM_USER_5	16
PDFBM_USER_6	16
PDFBM_USER_7	32
PDFBM_USER_8	32
DATE_CREATED	Datetime
CREATED_BY	8
OPERATOR_ID	8

Changes Made to Existing Tables

PDFBM Bill of Material Table

Deleted DELETE_FLAG field.

Shop Routing

Enhancements

Routing Master Editor

Added annotation notes and attachment capabilities.

Added an option to prompt for labor and machine run times per part in minutes. (Refer to the Security Rights Options section.)

Tooling Master Editor

Added annotation notes and attachment capabilities.

New Database Tables

SRFRMA Routing Master Attachments table

SRFRMN Routing Master Notes Table



SRFTMA Tooling Master Attachments table

SRFTMN Tooling Master Notes Table

Labor Distribution

Enhancements

Time Charge Entry

Modify logic to not display the inform message “General Ledger Account is a Liability Account” when Time Charge Entry is used to process transactions from the Time Charge Upload.

Configuration Control

Enhancements

Configuration Planning Bill Create Utility

Modified logic for the new Bill of Material table format.

Configuration Bill of Material Copy Utility

Modified logic for the new Bill of Material table format.

Purchase Requisitions

Enhancements

PO From Requisition Create Utility

Added logic to process stock buy data from the requisitions created in the e-Purchase Requisition module to the Expandable Purchasing module via the Purchase Order Editor.

Modified the Purchase Requisition Form and the Purchase Requisition Status Reports to display the new stock buy data from the Requisition Detail table.

Inquiries

Modified the Requisition Line Status Inquiry to add the new stock buy data on the Requisitions Detail table.

Added a drill down from the Purchase Requisitions Inquiry to the Requisition Line Status Inquiry.

Added columns for Requisition Number and Requisition Line Number to the Purchase Orders Inquiry.





Marketing/Sales

Sales Order

Enhancements

Shipments>Returns Entry

Added a new prompt to allow recording of additional shipping information in the Shipment Transaction record via the user field SOFST_USER_1 (e.g. Pallet Number, Box Number).

Serial Number Editor

Added logic to check for a blank Stock Location when SN Status indicates the serial number is in inventory and the part is a stock tracked serialized part.

Added logic to check for a blank Lot ID when SN Status indicates the serial number is in inventory and the part is lot controlled and is a stock tracked serialized part.

SN Inventory Spreadsheet Create

Added a new utility function that will create an Excel spreadsheet or a tab delimited text file based on data from the Serial Number table. The user can include serial numbers with a status of Available, Consigned Inventory, Evaluation Inventory, Loaner Inventory, Shipped, Pending Shipment, Pending Return, On Hold, Used In Buy Part, Used in Job, Scrapped and/or Unaccounted For. The user can specify a list of Stores Codes, a range of Part IDs and/or a range of Serial Numbers to be used in selecting serial numbers. Selection of only Inventory Tracked Parts can be specified. The spreadsheet (or text file) will include columns for Stores Code, Part ID, Stock Location, Lot ID, Serial Number and SN Status for each selected Serial Number table record. In addition, columns for New Stores Code, New Stock Location, New Lot ID and New SN Status will be created for the user to input the necessary data to correct missing or incorrect information currently in a Serial Number table record (see SN Inventory Status Update).

SN Inventory Status Update

Added a new function that will post the updates from a tab delimited text file created by the SN Inventory Spreadsheet Create utility via the Serial Number Editor. An error log will be available when processing is complete. A line will be displayed for each update transaction. If an input record is bypassed, a line will be displayed indicating the reason for bypassing the record. Processed Flag must be equal to N. It will be set to Y when the record is successfully processed. The original input file will be renamed by adding 'processed' and the current date/time to the file name. In addition, a transaction log file will be created. It will be identical to the input file, except Processed Flag will be set to Y for each record used to update a serial number record. If errors occur, they can be corrected in this file and run through SN Inventory Status Update again. Records that were successfully processed will not be processed again.



Modified Crystal Report

Sales MTD Transactions by Batch, by Customer, by Part and by SO:

Modified to include both Customer ID and Ship To Customer as Available Selection Fields. Previously, Customer ID was used to select by Ship To Customer. Now selection can be done by either Customer ID or Ship To Customer.

New Fields Added to Existing Tables

SOFST Shipment Transactions Table

Field	Precision
CREATED_BY	8
DATE_CREATED	Datetime

Changes Made to Existing Tables

SOFST Shipment Transactions Table

Renamed REFERENCE_2 field to LOT_ID.
 Increased PROGRAM_ID field to 6 characters.
 Deleted DELETE_FLAG field.

Changes Made to Existing Tables (continued)

SOFSN Serial Number Table

Renamed REFERENCE_2 field to LOT_ID
 Deleted DELETE_FLAG field.



System and Platform

Report Manager

New Fields Added to Existing Tables

RMFRPT Report Definition Table

Field	Precision
PR_ORIENTATION	1

Audit Log

Enhancements

The length of the field PROGRAM_ID in ALFTD Audit Log File Transaction Detail table has been increased to 60 characters to accommodate programs that update the Expandable tables that are being audited and have a program name longer than 20 characters. Though Expandable does not suggest that external programs be used to manipulate the data in our database, we do still need the means to track where the update originated.

Changes Made to Existing Tables

ALFTD Audit Log File Transaction Detail Table

Increased PROGRAM_ID field to 60 characters.



Customer Feature Requests Added/Addressed In Release

Ref	Program(s)	Brief Request Description	Customer
3261 14895 14896	MMUPC	The new program is MMUPC Part Plan Create From SO Utility. New program for posting open sales orders directly to the Part Plan table without going through MPS	
8376	PDEBMV	Add the component's Unit of Measure to the assembly's product structure display in PDEBMV.	Hutchinson
11961	SRERM	Add Annotate capability. (ref 14083)	Poco
12471	APR99F	Printing our 1099's and the Fed Tax ID did not show up. Please change report program to prompt for this or USER Field 1 in the Company Settings to say Fed Tax ID. And Update documentation so that we could have figured it out ourselves. We had to call the Help Desk. This is Non-Value Added for Expandable and your customer's	Silicon Light Machines
13258	POFRT SOFST	SOX, segregation of duties is critical. If an AR person cannot do a shipping transaction their name should not be on the transaction. For auditors and Audit Trail is paramount for transaction files. Created By and Date Created fields added to SOFST and POFRT.	Intevac
13775	ICFIT	Add fields to transaction tables including ICFIT and others to keep the actual date & time of the transaction. Comments : Created By and Date Created fields added to ICFIT	MEDIAmail Intevac
14020	GLTBR	Include Checks that have a Reconciled Date after the Statement Date.	OpVista
14371	General	Licenseless Login for multiple database Users	Gordon Brush
15431	APTSP	Add Security Right to control voiding of Reconciled Checks.	I-Flow



New Products, Systems and Obsolete Product

New Modules and Interfaces

Module or Interface	Expandable Part Number	Applicable Release(s)
Expandable & SalesLogix 7.2.0 Integration Engine	SLI 2.0.1 Rev 8.4.0	Expandable Rls 8.4.0 SalesLogix 7.2
Multi Run MRP Module	MR - Module	Expandable Rls 8.4.0
Preactor Interface Upload Utility	J3UJSU	Expandable Rls 8.4.0

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 8.4.0
Microsoft SQL Server 2000 Standard	MSSQL-01-S	Compatible, SQL2005 is Recommended Expandable Rls 8.4.0
Microsoft SQL Server 2005 Standard	MSSQL-01-S-05	Recommended Expandable Rls 8.4.0
Expandable & SalesLogix 7.2.0 Integration Engine	SLI 2.0.1 Rev 8.4.0	Expandable Rls 8.4.0 SalesLogix 7.2



Systems and Interfaces Not Supported by Release

System Not Supported	Expandable Part Number	Applicable Release(s)
Expandable & SalesLogix Integration	SLI 2.0.1 Rev 8.1.3	Expandable RIs 8.1.3 only
Crystal Reports Version 11	CRSTL1FP-11	Future Release(s)* Note: Expandable does not anticipate issues with Crystal Reports 11 at this time but plans validation testing at a later date.

Future Planning of Obsolete Product

Planning for Obsolete	Expandable Part Number	Last Planned Release(s)
Microsoft SQL Server 2000 Standard	MSSQL-01-S	Expandable RIs 8.4.x Future Releases will not support*
Crystal Reports Version 10	CRSTL1FP-10	Expandable RIs 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:
