

Manufacturing

Finance

FRONTIER 4.1

MOVE
YOUR
BUSINESS
FORWARD,
FASTER.

4.1

FROM 4.0

Master Data

eCommerce

Customer Webinar

Dehn Loder

PCM

About this presentation

- Describes major changes from Frontier 4.0.0 to 4.1.0
 - Includes some 4.0.2 and 4.0.3 enhancements which ship in 4.1.0
- Not exhaustive by any means
 - Some topics could consume an entire session
 - Net Change documents go into greater detail
- Some features may require separate license keys
 - Contact inside sales for more information
- **This session is being recorded**
 - Thursday 11 February: the Q&A channel is being monitored as we present

General Enhancements

Cross-application

4.0 to 4.1

Name and Address Enhancements and Expansion

- What
 - Name and address database field sizes have increased, everywhere.
 - Country codes are now important
- Why?
 - Comply with industry standards for field lengths
 - Validate state and country relationship
 - Support address validation
- How?
 - All master file and order field sizes increased:
 - Name: 30 → 50 characters
 - Address lines: 30 → 50 characters
 - City: 18 → 35 characters
 - Zip Code: 10 → 15 characters
 - Note File “ST” linked to Country
 - Each state has associated Country
 - System checks that Country and State/Province are compatible

Address Validation [52393, 53032]

- What
 - Validate customer and order addresses at time of entry using online address verification
- Why?
 - Increase Sales Order accuracy and deliverability
 - Reduce shipping fees
 - Minimize shipping delays
- How
 - Frontier interface to USPS address validation web service
 - Customer master and sales order addresses
 - New address type fields: R=residential, C=commercial, blank=unspecified
 - Address verification “popup” provides suggested “clean” address
 - Optional feature to update zip codes to 10-digit values

Product, Customer and Vendor Attributes (*Frontier Attributes*)

- What
 - Allows for a user-defined list of data elements (“attributes”), to be attached to Frontier customers, products and vendors to further describe them
- Why?
 - A more-flexible alternative to DB free-fields and MFUI trailer files
- How
 - Dynamically define attributes, group attributes into categories
 - Attach attribute categories to products, customers or vendors in MFUI.
 - Populate attribute values for attributes in assigned categories
 - Includes the ability to log changes made to attribute values

Master File Change Logging

(Part of *iLogging*)

- What
 - Log changes made to customer, product or vendor master records, for selected fields of interest
- Why?
 - User-defined change tracking replaces common custom mods or database triggers
 - Facilitates problem resolution
- How
 - Indicate which fields in master files should be tracked
 - Changes to selected master file fields using Frontier, are logged:
 - Who, what, when, before-and-after values
 - Examine log in MFUI, or in new application to query changes across all master files

Custom Inquiries

- New function for 4.1

Predefined
data sources

Selection criteria
with replaceable
parameters

Related tables
available

Friedman Corporation - BACUPA Logout - Frontier: Home Application Configuration Sales Purchasing Manufacturing Inventory Management Product Data Management Production Planning Accounts Payable Accounts Receivable

Division **01** Type: Sales Order Header Inquiry: OH_BYROUTE - Orders by Route Code

Configure Custom Inquiry Open Save SQL XML Source Display Copy Delete ?

Control Description: Orders by Route Code

Displayed Columns: Grid Configuration

Rows Per Page: 50

Maximum Returned Rows: 1000

Where: OHPL.OHRTE like ?QS_RTE? and OHPL.OHENTD > ?QS_ENTD? and OHPL.OHORD# > 0

Search Parameters				
Parm	Label	Type	Default	Like Column
QS_ENTD	Entered Date	Date	*TODAY*-60	
QS_RTE	Route	ALPHA		

Database Columns

Clear Filters

Name	Entity	Description
Entity: CAPL (59 Items)		
Entity: CAPTRL (12 Items)		
Entity: INVC (155 Items)		
Entity: INVCCORP (73 Items)		
Entity: INVCCORPTRL (8 Items)		
Entity: INVCTRL (9 Items)		
Entity: OHPL (126 Items)		
Entity: SHIP (155 Items)		
Entity: SHIPCORP (72 Items)		
Entity: SHIPCORPTRL (8 Items)		
Entity: SHIPTRL (9 Items)		

Displayed Columns

Column	Table	Heading	Size	Hyperlink	SQL
OHPL.OHRTE	OHPL	Route code	40		
OHPL.OHENTD	OHPL	Entered date	56		
OHPL.OHORD#	OHPL	Order number	100	Sales Order Inquiry	
OHPL.OHBTXY	OHPL	Sold to	70		
OHPL.OHSTKY	OHPL	Ship to	70		
SHIPCORP.CMN...	CM1PL	Name	0		
OHPL.OHIVKY	OHPL	Inv to cust	100		
OHPL.OHPRKY	OHPL	Price as	100		
OHPL.OHDIV	OHPL	Div	100		
OHPL.OHOTYP	OHPL	Ord type	100		
OHPL.OHCRGN	OHPL	Credit region	100		
OHPL.OHCNTY	OHPL	County	100		
OHPL.OHST	OHPL	St	100		
OHPL.OHCTRY	OHPL	Country	100		
OHPL.OHZIP	OHPL	Zip code	100		
OHPL.OHTAXG	OHPL	Tax grp	100		
OHPL.OHTYCD	OHPL	Tax code	100		

Select columns to display
System already knows **hyperlinks**

Order by

Name	Sort Direction
OHPL.OHORD#	Ascending

Group by

Name

Custom Inquiries

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RADCUR2 | [Logout](#)

Frontier: [Home](#)

Application Configuration

Sales

Purchasing

Manufacturing

Inventory Management

Product Data Management

Production Planning

Accounts Payable

Accounts Receivable

Entered Date: 12/11/2020

Route: DAILY

Go

Orders by Route Code

Type: Sales Order Header

Inquiry: OH_BYROUTE - Orders by Route Code

Open

Clear Filters

Spreadsheet

Order#: 55576431

Ship Cust#: 100000

Name: AMERICAN MURPHY WINDOWS A

Main Customer Contact

Sold to: 100000

Name: AMERICAN MURPHY WINDOWS A

Inv to cust: 100000

Price as: 100000

Ord type: SI

Credit region: 03

Tax grp: 1

Tax code: Y

Result

Retirements

- The following green-screen programs do not ship in Frontier 4.1.
 - There is a UI equivalent for all of these.

A/P Account Allocation Sets (AP21)
A/P Auto Display Allocation Sets (AP25)
A/P Payment Selection (AP63)
A/P Batch Maintenance (AP65)
A/P Recurring Invoices (AP67)
A/P Partial Payments (AP68)
Pay Code Display (AR07)
Accounts Receivable Maint (AR60)
Accounts Receivable Rapid Invoice Maint (AR61)
Non Stock Product (NS01)
Non Stock Product Number (NS02)

Display Mode OE54 (OE03)
Purchase Order Entry/Maint (PU13)
Purchase Order Receiving (PU15)
Open Req & Conversion (PU19)
Consolidated Open Req (PU20)
Line Buying (PU23)
Contract Master Maintenance (QM09)
Vendor Quote Maintenance (QM11)

Financials

AR, AP, GL, costing
4.0 to 4.1

Cost Elements by Percent [52426]

- What
 - Cost elements may be defined as a % of the total material cost elements versus a fixed amount
- Why?
 - Account for material-based burdens
- How
 - CS15, new Percentage specification
 - Cost roll ups will use percentage to calculate bucket values

ECS040D		COST ELEMENT MAINTENANCE		* INQUIRY *	
				08:03:06	
Product VEST		Warehouse KA			
Description HIT-AIR PROTECTIVE VEST					
Cost type STD					
Cost element	Material cost	Labor cost	Var burd cost	Fix burd cost	
COST	200.0000	5.0000	4.0000	3.0000	
Percentage	%	%	%	%	
FRGHT					
Percentage	10.00 %	%	10.00 %	1.00 %	
HZMT					
Percentage	1.00 %	25.00 %	1.00 %	%	
IMPRT					
Percentage	5.00 %	%	%	%	
Total	232.0000	6.2500	4.4400	3.0300	
CS15 Product VEST Warehouse KA Cost type STD Mode					
F3=Exit F10=Menu Bar					

Accounts Payable: Expanded Invoice Number [52855]

- What
 - AP Invoice Number expanded from 10 characters to 22 characters
 - Database field size change in APP, IDP, and others
- Why?
 - Ten characters was just too small
 - Expansion much easier in UI
- How?
 - This is UI only. APxx green screen programs decommissioned!
 - All AP reports have been reformatted to accommodate the new invoice number

Accounts Payable:

UI Partial Payment [53002]

- What: support partial payment in UI AP Batch maintenance
- Why? Support migration of entire AP workflow to UI
- How? New [Partial Pay] button in Voucher header

Apply Invoices

The screenshot shows the 'Apply Invoices' window with the following fields and controls:

- Active Batch: 644
- Active Voucher:
- Invoice Balance:
- Settings
 - Batch Information
 - Voucher Header Information
 - Voucher Number: 001
 - Vendor: CHEAP1
 - One Time Vendor: ☐
 - PO Number:
 - Invoice Number: 6006341
- Buttons: New, Open, Save, Amend, Partial Pay, Reverse PO

The 'Partial Payment' dialog box is open, showing the following fields:

- Partial Amount: 6.00
- Partial Pay Date: 04/15/2020
- Discount for Partial Payment: 0.00
- Balance Discount: 0.00
- Balance Pay Date: 04/30/2020
- Buttons: Ok, Cancel

Accounts Payable: Recurring Invoices Maintenance UI [52924]

- What
 - AP67 Recurring invoices now implemented in UI
- Why?
 - Remaining puzzle-piece of AP to move to UI
 - Support invoice expansion, decommission of GS AP
- How:

A/P Recurring Invoices

Division: 01 Vendor: * Go Clear Filters Add New

Division	Vendor	Vendor Name	Invoice	Invoice Amount	Discount	Account Number	Freq Code
<input type="checkbox"/>	01	JW TST	8 14	14.00	0.00	01-00-115-000	JWTST
<input type="checkbox"/>	01	JW TST	8 15	15.00	0.00	01-00-115-000	JWTST
<input type="checkbox"/>	01	JW TST	8 16	16.00	0.00	01-00-115-000	JWTST
<input type="checkbox"/>	01	JW TST	8 17	17.00	0.00	01-00-115-000	JWTST
<input type="checkbox"/>	01	JW TST	8 18	18.00	0.00	01-00-115-000	JWTST
<input checked="" type="checkbox"/>	01	MGVEND	MIKE CHANGE INVOICES1	100.00	0.00	MISC	MRG1
<input type="checkbox"/>	01	MGVEND	MIKE CHANGE INVOICES10	100.00	0.00	MISC	MRG1
<input type="checkbox"/>	01	MGVEND	MIKE CHANGE INVOICES11	100.00	0.00	MISC	MRG1
<input type="checkbox"/>	01	MGVEND	MIKE CHANGE INVOICES12	100.00	0.00	MISC	MRG1
<input type="checkbox"/>	01	MGVEND	MIKE CHANGE INVOICES13	100.00	0.00	MISC	MRG1
<input type="checkbox"/>	01	MGVEND	MIKE CHANGE INVOICES14	100.00	0.00	MISC	MRG1
<input type="checkbox"/>	01	MGVEND	MIKE CHANGE INVOICES15	100.00	0.00	MISC	MRG1
<input type="checkbox"/>	01	MGVEND	MIKE CHANGE INVOICES16	100.00	0.00	MISC	MRG1
<input type="checkbox"/>	01	MGVEND	MIKE CHANGE INVOICES17	100.00	0.00	MISC	MRG1
<input type="checkbox"/>	01	MGVEND	MIKE CHANGE INVOICES18	100.00	0.00	MISC	MRG1
<input type="checkbox"/>	01	MGVEND	MIKE CHANGE INVOICES2	100.00	0.00	MISC	MRG1
<input type="checkbox"/>	01	MGVEND	MIKE CHANGE INVOICES3	100.00	0.00	MISC	MRG1
<input type="checkbox"/>	01	MGVEND	MIKE CHANGE INVOICES4	100.00	0.00	MISC	MRG1
<input type="checkbox"/>	01	MGVEND	MIKE CHANGE INVOICES5	100.00	0.00	MISC	MRG1
<input type="checkbox"/>	01	MGVEND	MIKE CHANGE INVOICES6	100.00	0.00	MISC	MRG1
<input type="checkbox"/>	01	MGVEND	MIKE CHANGE INVOICES7	100.00	0.00	MISC	MRG1
<input type="checkbox"/>	01	MGVEND	MIKE CHANGE INVOICES8	100.00	0.00	MISC	MRG1
<input type="checkbox"/>	01	MGVEND	MIKE CHANGE INVOICES9	100.00	0.00	MISC	MRG1
<input type="checkbox"/>	01	MGVEND	MIKE CHANGE RENT	15,000.00	0.00	MISC	RENT

Main

Division: 01 Vendor: MGVEND

Invoice: INVOICES1 Account Number: MISC

Freq Code: MRG1 Invoice Amount: 100.00

Discount: 0.00

Accounts Receivable: UI Intercompany AR Batches [44458]

- What
 - UI “Apply Invoices” now supports intercompany (inter-divisional) cash application
 - In AR60, this was division ‘**’
- Why?
 - Last piece of AR60 function to be brought to UI
- How?
 - New “intercompany” checkbox in batch header
 - Like ‘**’ in AR60

The screenshot displays the 'Apply Invoices' window. At the top, there are fields for 'Active Batch:' and 'Active Customer:'. Below these is a 'Settings' section, which includes a 'Batch Information' subsection. In the 'Batch Information' section, the 'Intercompany' checkbox is highlighted with a red rectangle. Other fields in this section include 'Batch Number' (124270), 'Batch Amount', 'Batch Balance', 'Lock Box' (A), and 'Batch Date' (02/26/2020). At the bottom of the window, there are buttons for 'New', 'Open', 'Save', 'Post', 'Cancel', and 'Exit'.

GL alpha codes:

Interplant Gain/Loss by Product Class [51853]

- What
 - Interplant gain/loss alpha code (IGL) now incorporates product class in addition to inventory category
 - Alpha code has changed
- Why
 - Distinguish interplant transfer cost discrepancies at a more detailed level
- How
 - Account alpha changed from “IGL” to “GL” along with product class, inventory category and warehouse
 - DBC51853 fixes-up existing IGL alpha codes

GL alpha codes

APPPV, RNV, CYC by Product Class [51434]

- What
 - PPV, Cycle count, received-not-vouchered alpha codes are now sensitive to product class in addition to inventory category
 - Alpha codes prefixes have changed
- Why?
 - Distinguish amounts recorded into these accounts at a more detailed level
- How?
 - Account alpha changes
 - “APPPV” changed to “PP” along with product class, inventory category and warehouse
 - “CYC” changed to “CY” along with product class, inventory category and warehouse
 - “RNV” changed to “RNV” along with product class and division
 - From “PPV” to “PP” along with product class, inventory category and warehouse
 - DBC 51434 will fix up your existing alpha codes

General ledger Inquiry

Display vendor, customer name [52982]

- AP and PV journals: display Vendor name
- SA and AR journals: display Customer name

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ECS040C | [Logout](#)

Frontier:

[Home](#)
[General Ledger](#)
[Sales](#)
[Distribution](#)

Division(s): 01

Warehouse(s): 01, 03, 05, 06, 08, 10, 73, 77, AA, BC, LA, RT, RW, SW, UF

General Ledger Journal Entry Detail

[Revise Search](#) | [Show Display Options](#)

Display Options

Detail for journal entry #2303

Entry Information

Company:

01

Division:

01

Chart of Accounts:

BASE1

Fiscal Period Name:

BASE1

Entries

1 entry found.

ID#	Account	Alpha Code	Journal Source	Journal	Customer	Name	Invoice	Product	Transaction	Booking	Booking Initials	Transaction Amount
2303	01-00-118-101	PROMO	SALE	SA001	100000	JOE KING	011010022		Date: 5/24/19	Date: 6/6/19	SLS200	\$ 4.98
									Period: 1905	Period: 1906		
									Running Total:			
											\$ 4.98	

Order entry & processing

Order promising, pricing, order entry...

4.0 to 4.1

Sales order attributes

(Part of *Frontier Attributes*)

- What
 - Allows for a user-defined list of data elements (“attributes”), to be attached to Frontier sales orders to further describe them
- Why?
 - Allow essentially unlimited additional data to be captured for each type of sales order.
 - Far more flexible than grappling with free fields
- How?
 - Define attributes and allowable values
 - Group attributes into categories
 - Associate categories with specific order types and subtypes

Sales Order Activity Logging (Part of *iLogging*)

- What
 - Log selected changes made to sales orders and configuration segments
- Why?
 - Problem diagnosis, performance analysis, and “blame”
- How?
 - Indicate
 - Which sales order field(s) should be logged
 - Which configuration segments should be logged for changes
 - Indicate if “system events” should be logged
 - Updates caused by background processing
 - Database triggers isolate database updates, log those which have been chosen for tracking
 - Before and After values logged
 - View change logs from iSales Inquiry for displayed order or via a new application to show changes across sales order(s)

Sales orders:

Avalara interface for sales tax

- What
 - Allow the use of Avalara **Avatax** web service for sales tax calculation in sales order entry
 - Avalara can manage tax exemptions, certificate compliance, and do filings if desired.
- Why?
 - Sales tax environment in US is becoming increasingly complex and subject to rapid changes
 - Compliance is hard
- How?
 - Install Avalara SDK interface library
 - Set up Avalara account, import exemptions (recommended)
 - New OTX1 setting by division: specify to use AVATAX

Order processing:

Sales order archiving [53090]

- What
 - Allow completed sales orders to be *archived* rather than purged
 - Archiving keeps them in the database, but out of the main “active” order files
 - UI allows search of both active and archived orders
 - Can copy from an archived order
 - NOT same as purging
- Why?
 - Larger customers roll their order numbers every 2-3 years, but need orders kept on-line for longer than that
 - Keeping completed orders out of mainline OE files has a performance benefit
- How?
 - Lots of new “AX_” database tables
 - New setting to control archive selection and execution

Order promising:

Automatically lock promise dates [51750]

- What
 - *Optionally* lock promise date as soon as line item is booked
- Why?
 - Honor promise date communicated to customer, stop confusion of promise date “jumping around”
- How?
 - Use RS41 to set system to automatically lock promise dates
 - By Warehouse
 - Lock occurs when line item is booked with a valid promise date
 - Order maintenance prompts asking if order should be re-promised
 - Default is “no”
 - Sales Order Schedule can still unlock and manipulate dates as desired

Order promising: Inventory not-available by location [53434]

- What
 - Mark inventory in selected locations as “not available” for the purposes of order promising
 - Components need to be location or lot/location sensitive
- Why?
 - Plenty of reasons to quarantine inventory...
- How?
 - New flag in LL77: “Avail to promise?”
 - Blank or “Y”: treat stock-on-hand as available
 - “N”: exclude
 - This is distinct from the “Nettable for MRP?” flag

Pricing:

Formula for price discount amount [51306]

- What
 - New formula to calculate discount amount (\$)
- Why?
 - We already have formulae to calculate discount % or multipliers 1,2 & 3
 - This was the missing piece
- How
 - PR81 (Price list maintenance): new field for formula

Pricing:

Now have 6 discount buckets [53204]

- What
 - The number of price discount percentages (or multipliers) has been increased to 6
 - 5 %/mult, one \$
- Why?
 - We introduced the ability to assign a distinct alpha code to each discount bucket [50775]
 - Customers loved this: very fine-grained control of revenue distribution! Wanted more buckets!
- How?
 - Discount buckets 5 & 6 (and corresponding alpha codes) added everywhere.

Pricing:

Price adder pricing using parent NET [51810]

- What
 - Allow PCM price adders to reference the NET price of the parent model, rather than the gross (undiscounted) price
- Why
 - PCM price adders often need to share parent model discounting
- How
 - New price formula exit BASENETPR – returns net price of parent model
 - Contracts with existing BASEPR – returns gross price

Pricing:

Allow formula to be applied after price matrices [51398]

- What
 - Allow price formula to be applied *after* matrix pricing has been accumulated
 - Current: $(\text{PR81 price} * \text{PR81 formula}) + \text{Matrices}$
 - Can now do: $(\text{PR81 price} + \text{Matrices}) * \text{PR81 formula}$
- Why?
 - Almost everyone wants the matrix prices to be subject to the PR81 formula
- How?
 - PRDTES data area extended:
 - “1” is the default

```
LODER                                PRICE ORDER SELECTION                                2/04/21
                                                                              14:32:20

Use this screen to modify data area PRDTES.

This screen allows the user to determine whether products will
be priced using the order date or the order required date.
Enter "Y" to price by order date or "N" to price by required date.

Price by order date  N  (Y or N)

Use this to set the Matrix Price and Formula Logic.
Enter "1" for (PR81 Unit price * Formula result) + Matrix price).
Enter "2" for (PR81 Unit price + Matrix price) * Formula result).

Matrix/Formula logic  1  (1 or 2)
```

Order entry:

Default values for order copy [51176]

- What
 - Set default values for the “Copy Header” popup in UI
- Why?
 - “Copy header” has a lot of options
 - Usually there is one correct “set” to use at a given client
- How?
 - OE19 at database level

```
LODER                                COPY HEADER DEFAULT SETTINGS                                2/04/21
                                                                              14:30:29

Use this screen to update parameter HDRDFLT.

Default settings for the Copy Order Heading information in the UI.

Copy quantities/prices?             N      (B = copy both quantities and prices)
                                       (Q = copy quantities but not prices)
                                       (N = copy neither quantities nor prices)

Copy order header information?      N      (Y = Yes)
                                       (N = No)

Create new revision?                 N      (Y = Yes)
                                       (N = No)
```

Order entry:

New “verify order” action [51559]

- What
 - Allows users to do all the checks implied by a [Complete] without actually completing the order
 - Includes call to “order completion user exit”
- Why?
 - Customers are including a lot of custom code in their completion user exits
 - Nice to be able to execute those custom actions without completing (e.g. “how am I doing so far?”)
- How?
 - New entry in Order Action drop-down
 - User exit (if it exists) gets “verify only” indication

Order processing: Control over-ship in UI [52341]

- What
 - New control to dis-allow over-shipping in the UI
- Why?
 - Legacy behavior (OE57) on overship was to silently increase on-order quantity; subsequent correction would result in a backorder if you were not careful
- How?
 - New OE36 setting “Is overshipping allowed?” by warehouse.
 - Applies to UI only!

Order entry:

Sales order contacts now copy [52395]

- What
 - When a sales order is copied and “Copy header” is selected, order-level Contacts will copy as well
- Why?
 - Not copying the contacts was unexpected

Order entry:

Order detail Fixed page headers [52687]

- What
 - The headings on the Order Detail page will now “stick” at the top of the page as you scroll
- Why?
 - Loosing the page headings on longer orders was a headache!

Stays put!

Division: 01

Order Detail Order#: 70014323.0 Order Type: SI Status: Entry hold

Customer: 100000 JOE KING

Line item action menu: Order action menu:

Line	Quantity	Product	Description
22.00	<input type="text" value="1.000"/>	F3	PRODUCT F3
23.00	<input type="text" value="1.000"/>	F3	PRODUCT F3
24.00	<input type="text" value="1.000"/>	F3	PRODUCT F3

Order processing:

Custom view version control [52396]

- What
 - Adds a revision number to a named SOE view, and an “Active” flag
 - Only one revision of a view can be Active
- Why?
 - Allows changes to existing SOE views without disturbing the “in production” version
 - Allows controlled activation of change

Order processing:

Custom view “promotion”

- What
 - Allow UI custom views to be “promoted” from one Frontier environment to another (e.g. from TST to DTA)
- Why?
 - Eliminate the tedious manual replication of view changes from one environment to another

ilnquiry:

Edit and view sales order attachments [52881]

- What
 - Sales order document attachments can be viewed (and perhaps changed) in ilnquiry
- Why?
 - Users need to be able to view order attachments without launching full Sales Order Entry
- How?
 - Ability to view/change attachments in ilnquiry controlled by new security roles:
 - ISLSVATT – can view attachments in inquiry
 - ISLSATT – can view, add, and remove attachments in inquiry

PCM enhancements

4.0 to 4.1

Option List “sub lists” [51339]

- What
 - Allow “sub-lists” to be pulled into initial option lists
 - Sub-lists can be shared across option lists
- Why
 - Reduce option list maintenance efforts by reducing duplication
- How
 - New control-type of “SUBL” indicates that the option is really a pointer to a separate option list which is to be pulled-in
 - Think of this like a phantom – sub-list gets brought into the including list

Configuration option notes [50015]

- What
 - Allow and indeed require additional notes to be entered when certain options are selected
 - Applies to both eQuote and OEUI.
- Why?
 - Provides better support for “see spec” options that need additional free-form data to be entered.
- How?
 - New “Opt notes” flag associated with option or selection
 - None, Allowed, or Required
 - Each note can be up to 1,600 characters
 - Note entry stored in new file O5XP
 - iSchedule and AME have access to notes using *SOOPTNOTES “smart field”

Configuration Page “Expand All” property

[51369]

- What
 - A new iProduct Property has been introduced which will allow an installation to indicate that all frames on the configuration page should appear expanded upon entry into the page
- Why?
 - For lengthy initial options lists, some users like to use browser Ctrl-F (Find) to search for an option. Expanding everything let's Ctrl-F see everything
- How
 - ConfigProperties.xml has a new attribute which can be set.

PCM Option Value Inheritance [51453]

- What
 - Identify options within an option list that should automatically inherit from previous line item
 - Either across models, or same model only
- Why?
 - Improve configuration process, reduces option selection burden and improves consistency
- How?
 - New “auto inherit” flag in option list
 - A = inherit across All models
 - M = inherit only from Matching model
 - N/blank (default) = no inheritance

Line-Item Model Change [51481]

- What
 - Allow the model to be changed on either Sales Order Detail or Configuration pages
- Why?
 - If model was initially entered incorrectly (e.g. 'B12R' instead of 'B12L'), only solution was to delete and re-add
 - This is better!
- How?
 - Same change management rules as configuration change (e.g. no released work orders etc).
 - If change is allowed, new model will be configured using matching segment values from previous model

Configuration Page

Maintainable Quantity [52895]

- What
 - The sales order line item quantity is now maintainable on the header of the configuration page
- Why?
 - Easier to correct errors during initial configuration
- How
 - Quantity is now maintainable in header, simple as that!

PCM Cache for Condition-as Models

[52144]

- What
 - Compile and cache condition-as models separately from the “order entry” models that use them
- Why
 - Big performance benefit and better cache utilization
- How
 - New iProduct property to activate
 - Requires that configuration segments assigned to the PCM model and the PCM Condition As model are consistent
 - Which is true for basically all of our customers

Retain Configuration selections and &USERTYPE keyword [52314]

- What
 - Indicate that certain segment values should not be cleared on reconfiguration, even if they are not associated with an active option
 - Normally segments associated with hidden options or frames will be cleared
 - &USERTYPE keyword indicates if eQuote or CFUI
- Why?
 - Reduction of model logic
 - Limit options available to customer-facing configuration processes
- How
 - New “Keep” flag on option list
 - If “Keep” set, associated segment will not be cleared if option or frame is hidden
 - &USERTYPE keyword for conditioning options or frames; has values:
 - INTERNAL when using the Frontier UI
 - EXTERNAL when using Frontier eQuote or Frontier WebServices

Security for Configuration Options [52984]

- What
 - Associate CONFIGURE n ($n = 0...9$) security levels with options
 - For both “view” and “update” roles of the option
- Why?
 - Provide better internal controls over changes to complicated configurations
- How?
 - New attribute on option list entry
 - User level required to view (show)
 - User level required to update
 - CONFIGURE0 is highest authority
 - CONFIGURE9 is lowest (default) authority
 - Assign CONFIGURE n security role to user or group in Frontier Security

Formula operators for Minimum, Maximum [53359]

- What
 - New MN (minimum) and MX (maximum) operators in Formulas
- Why?
 - Can simplify model logic, eliminate a conditional *COPYSEG
- How
 - In the formula
 - Operator “MN”: returns the lesser of operand 1 and 2
 - Operator “MX”: returns the greater of operand 1 and 2

Formula keywords for Date/Time/Timestamp [53360]

- What
 - Allow a formula to return current date, time, or timestamp
- Why?
 - Customer demand; lots of situations where we want to date-stamp the configuration
- How?
 - Three new formula keywords supported:
 - &TIMEOFDAY → HH:mn:ss (8 characters)
 - &TODAY → yyyy-mm-dd (10 characters)
 - &TIMESTAMP → yyymmddHHmnss (16 characters)

Line item cube calculation “roll up”

[52541]

- What
 - “Roll up” calculated cube values from first level components to top-level item
- Why?
 - Modularize cube calculations, improve accuracy for subsequent load planning
- How?
 - Specify if “roll up cube” to be used (MOMENUD2 option 21)
 - Specify “cube segment” name (MOMENUD2 option 22)
 - Specified segment will be accumulated for 1st-level components
 - For non-PCM 1st-level, standard product master PMCUBE will be used
 - When 1st-level work orders built, sales order will be updated with rolled-up cube

Format numeric segments [52558]

- What
 - Optionally “format” numeric segments when displaying in CFUI
 - Example: numeric segment picture XXXXXX.XXX, value 001234560
 - Default display: 001234.560
 - Formatted: 1,234.56
- Why?
 - Readability, better presentation on customer-facing displays
- How
 - Segment master, new “Format” flag for numeric segments
 - Y = zero-suppress, include digit separators
 - N/blank = no additional editing

Inventory and manufacturing

4.0 to 4.1

ECN

Master File Maintenance UI

- What
 - ECN maintenance is now in the UI
 - Replaces green-screen PM80, PM83
- Why
 - Remove the requirement to access green screens to perform this function
- How
 - ECN Master Maintenance (PM80/PM83) have been incorporated into new applications in the UI
 - Add multiple products to an ECN using copy-paste from a spreadsheet

Work orders:

Work order archiving [53256]

- What
 - Allow closed and fully-processed work orders to be archived rather than purged
 - Archived work orders remain on-line and accessible by ilnquiry
- Why?
 - Better access to historical information without cluttering-up “active” files
 - Performance improvements, ease of environment mapping
- How?
 - New series of AX_ database tables introduced
 - Work orders are archived only if the all related work orders can also be archived
 - Parents and lower-levels
 - All accessible via ilnquiry
 - Search criteria includes checkbox “include archived orders” in search

Inventory control:

Preserve Allocated Inventory [51689]

- What
 - Change inventory movement programs to not consider allocated inventory “movable”
- Why?
 - Avoid moving location-sensitive inventory that has been allocated to sales orders
- How?
 - ST01/UN01/UI will display warning if move quantity exceeds (onhand + allocated)
 - Prior behavior was considering just on-hand
 - iSales Inquiry enhanced to allow searching open sales orders by location to locate order allocations
 - A link between UI Inventory Lot/Location Availability to iSales has been added

Work orders:

BOM Maintenance UI Improvements

- What
 - Performance improvements
 - Ability to mass-import components from spreadsheet via copy-paste
 - Fixed headings when scrolling
 - Add Open and Close options (like W030)
- Why
 - Improve performance and usability of the application
 - Be better than W030

MRP

Rolling days of Supply [52773]

- What
 - Control if days-of-supply [42938] should be considered on every day of the planning period (rolling)
- Why?
 - Better align with customer planning preferences
- How?
 - New ata area MP11 by warehouse
 - Days of supply can plan the quantity to cover specified days
 - On FIRST day of planning horizon
or
 - For EVERY day in the planning horizon

```
RADCUR2          MRP DAYS OF SUPPLY FUNCTIONALITY          2/27/20
                                                         08:52:38

Use this screen to update parameter DAYSOFSUP for
warehouse 01 WINDOW & DOOR

This parameter is used by MRP to determine whether to react to the days
of supply value for every day in the planning horizon or just the first day.

Days of supply every day N (Y or N)
```

Purchasing and receiving

4.0 to 4.1

Industry Standard Descriptions [48858]

- Industry Standard Description maintenance now available in UI
- Last piece of old green-screen QM11

Friedman Corporation RADCUR2 | Logout Frontier: Home Vendor Purchasing Accounts Payable Inventory Management Product Data Management General Ledger

01

Industry Standard Maintenance

DEFAULT

Product or Supply: F* P/S: Warehouse: Go

Add New Copy Copy to Save Cancel

Delete

Clear Filters

Product or Supply	P/S	Wh	Description	Inspect code	IUM	PUM	Conversion factor F U
FDNON		01	NON-STOCK		EA	EA	1.0000
F1		**	PURCHASED PART 1		EA	EA	1.0000
<input checked="" type="checkbox"/> F1		01	PURCHASED PART 1		EA	EA	1.0000
<input type="checkbox"/> F1		02	PURCHASED PART 1		EA	EA	1.0000
<input type="checkbox"/> F2		01	PURCHASED PART 2		EA	BX	11.0000
<input type="checkbox"/> F3		01	PURCHASED PART 3		EA	EA	1.0000
<input type="checkbox"/> F4		01	PURCHASED PART 4		EA	EA	1.0000

Main

Product or Supply: F1 P/S: P

Wh: 01 Description: PURCHASED PART 1

Inspect code: IUM: EA

PUM: EA Conversion factor PUM to IUM: 1.0000

User: Maintenance date:

Industry Standard

Add Edit Delete

Sequence	Text type	Description	PO Print	ECN number in	ECN in date	ECN number out	ECN out date	User	Maintenance date
1.00		DESCRIPTION FOR F1 PR...	true					RADCUR2	10/22/19
2.00		MORE PRODUCT DESC FO...	true					RADCUR2	10/22/19

APE:

Prohibit PO consolidation [51314]

- What
 - Ability to prevent PO consolidation when using APE in a specific rule/view
- Why?
 - Sometimes consolidating POs is undesirable
 - It was too easy to hit the Consolidate checkbox when selecting
 - No way to hide the Consolidate checkbox
- How?
 - New rule setting in Configure APE: *Show Consolidate* (checkbox)

Purchasing:

Enhanced security roles [49419]

- What
 - Added finer-grained security roles for UI purchasing
- Why?
 - Customer demand to support separation of duties
- How? Security roles:
 - **POE** – allow maintenance of both requisitions and POs
 - **POER** – allow maintenance of requisitions only (no POs)
 - **POEP** – allow maintenance of POs only (no requisitions)
 - **POPLANR** – APE “read only”: allow access to APE but no ability to convert requisitions;
 - **POPLAN** – APE full access, can convert requisitions to POs

Purchasing:

Multiple UI usability improvements

- PO Receiving
 - Now shows supply item descriptions [51794]
- PO Details
 - Locked column headers when scrolling through line items [52658]
- PO Inquiry
 - Vendor name now displayed on list of PO Headers [52641]
 - Inquiry results page allows direct “jump” to keyed PO number without return to Search page [52648]

Manufacturing

Finance

FRONTIER 4.1

MOVE
YOUR
BUSINESS
FORWARD,
FASTER.

4.1

FROM 4.0

Master Data

eCommerce

Customer Webinar

Dehn Loder

PCM