Infor Distribution FACTS 7.9.0
Release Overview

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Infor Global Solutions introduces version FACTS 7.9.0 Release of Infor Distribution FACTS. This document provides an overview of the new major feature enhancements and functionality in this release.

Installation Changes

The FACTS 7.9.0 installation process has been updated:

Skip Missing Files

UP0700 has been enhanced to not require stopping on all missing files. A global variable, %skip_missing_files, is used to determine whether to stop and tell the user of files that are missing. The first time the user selects to skip a missing file, they will be presented with an additional prompt for whether to skip all remaining missing files – this prompt will only be presented one time.

You can also utilize the hook point UP070A;initialize to force the %skip_missing_files=1, and no prompt will ever be presented on missing files.

Data Conversion of on-the-fly bill of material (OTF BOM) historic data:

When upgrading to FACTS 7.8 or later from any FACTS version prior to FACTS 7.8, there is an uncommon limitation in converting usage information for On-the-Fly BOM component items. When converting usage, past invoices and ledger cards are combined to create the usage for all items. Non-OTF BOM item usage comes from the past invoice line file (SOPIND), and OTF BOM component item usage comes from ledger cards (ICLEDG).

To avoid doubling usage when processing ledger cards, if the ledger card item exists on the past invoice as a non-OTF BOM item (i.e. is in SOPIND), the ledger card is skipped. The problem is that if on a single past invoice the same item number is an OTF BOM component and also is a non-OTF BOM item, there's not sufficient information in the ledger card to distinguish which is which. When this happens, the usage for that item on that invoice will only reflect the quantity sold as the Non-OTF BOM item.

Note that this only impacts the usage from the individual past invoice where this condition exists (i.e. it does not impact other past invoices with that item as either a OTF BOM Component or a Non-OTF BOM item), and the usage for all other components in the On-the-Fly BOM finished item will be recorded correctly. Finally, this is a data conversion issue only - going forward, FACTS captures all usage for OTF BOM Components correctly.

System Requirements

FACTS 3rd Party Products

CenPOS Integration for Credit Card Processing—(Defect 472867)

FACTS has been enhanced to optionally use the credit card processor, CenPOS a third-party credit card processing software package and services that can now be integrated with FACTS to provide automatic credit card processing capabilities.

The interface between FACTS and CenPOS service employs the use of CenPOS POS (Point of Sale) APIs and their web services. The CenPOS APIs are solely responsible for collecting all credit card data, and processing the transaction. The FACTS CENPOSUI.pvc object uses Microsoft® Internet Explorer on the client's PC to present the base URL specified in SM Credit Card Control F/M for the user to complete the transaction.

The FACTS' integration with CenPOS requires that any workstation that will be processing a credit card have Internet Explorer 7 or higher installed, TLS enabled, and SSL3 disabled. All of the CenPOS interface is managed through CenPOS and is displayed in an Internet Explorer window.

After entering the credit card amount, the CenPOS Credit Card Entry pop-up window appears with the Amount and document number from FACTS.

Credit Card Processing with Voice Authorization is not supported with FACTS and CenPOS.

At the time of release, the use of CenPOS with FACTS 7.9 requires approval from product management to participate in an Early Adopter program. Refer to the FACTS 7.9 Compatibility Matrix for when this requirement is no longer necessary.

Using Storefront with FACTS and CenPOS

You can also implement CenPOS credit card processing for Infor's B2C Storefront product. Storefront has its own CenPOS configuration and interface. Refer to the Storefront documentation for installation and configuration of this solution.

When CenPOS is configured in Storefront, Storefront will perform an authorization against the credit card and pass the authorization information to FACTS via the API. FACTS will then capture the amount and record the payment as a deposit against the order.

If CenPOS is enabled in Storefront, you must have CenPOS setup as your credit card processor in FACTS. For the interface with FACTS to work, you must have version 3.5 or higher of the FACTS Storefront Integration Server, and you must have enabled Extended Classes in Storefront.

If you have CenPOS as your credit card processor in FACTS, it is NOT required that it also be setup in Storefront. If it is not setup in Storefront, Storefront will simply pass the credit card number to FACTS, where FACTS will perform a Sale transaction via CenPOS web services.

Program Changes

The following FACTS programs were modified to implement this integration:

Company Control F/M (SMF920)

CenPOS was added as a drop-down option for the Credit Card Processor field.

Credit Card Control F/M (SMF957)

A new CenPOS tab was added to Credit Card Control F/M to allow for the configuration of the credit card processor. The new fields and checkboxes include:

- The Base URL for the CenPOS interface. The default is https://www3.cenpos.net/POSintegration/posintegration/default.aspx.
- The Merchant account ID for CenPOS and the CenPOS password.
- The user id to use with cookies to allow processing without logging in each time. This value is used to log into CenPOS cookie information that is stored in an Internet browser and used for credit card processing.
- Validate Cookies checkbox to allow connecting to CenPOS with the user id entered above, without requiring logging in each time. If checked, CenPOS ignores any stored cookie information concerning the CenPOS login and uses login info provided in the request. If no info is provided, the user will be prompted to log in.
- Use Last Four Digit Security checkbox to require the entry of the last 4 digits of the credit card when swiping a card. If unchecked, the last four digits field is disabled and does not require the last four digits to be entered when swiping a card.
- The last credit card receipt number used (display field).
- The number of columns over which you want the credit card receipts to print in Columns for Credit Card Receipt. The available range is 30 to 80 (30 columns will give you an approximately 2½-inch wide receipt). To print credit card receipts, in Program F/M, load SOP610 and set the printer usage and normal printer for each location so credit card receipts will print. This allows you to have one credit card receipt printer for all terminals, or a different printer for some terminals, as necessary.

Credit Card Processing (SOC610) Program

SOC610 was modified to call CenPOS. The CenPOS specific code will build the URL Code to connect to CenPOS. The Credit Card Entry pop-up window will display the CenPOS Point of Sale (credit card entry) screen.

Additional Changes

The following programs were modified to call CenPOS when it is selected as the processor for credit card transactions:

Cash Receipts and Adjustment Entry (ARE210)

Payment Code Transactions (ATC016)

Deposit Entry (SOC718)

Batch Processing (SOU610)

Credit Card Receipt Print (SOP610)

New CenPOS Objects

CSCPOSUI.PVC – This object is pushed down to the client and used to interact with Internet Explorer to present the CenPOS UI and retrieve the result.

CSCPOS.PVC – This object is used to interact with the CenPOS web services to process various types of credit card transactions.

System-Wide Changes

Control Record and File Changes

SMCNTL record ARF converted to file ARCPRC (Defect 455376)

SMCNTL record ARJ converted to file ARAJCD (Defect 458683)

SMCNTL record ARK converted to file ARCCLS (Defect 461141)

SMCNTL record ARR converted to file ARRGNC (Defect 454645)

SMCNTL record ART converted to file ARTCDS (Defect 459193)

SMCNTL record SMM converted to file SMCMPY (Defect 454591)

SMCNTL record SOA converted to file SORSNC (Defect 453887)

SMCNTL record SOL converted to file SORTNC (Defect 453888)

SMCNTL record SOR converted to file SORTEC (Defect 453915)

SMR710 – Company Listing

Company Listing Report (SMR710) was updated to use the FACTS Report Formatter.

System Alert Details

In addition to creating new alerts, there is a new subscription option of the Alert Control Center (ACC – POE410). This allows users to receive, review, respond to, and close alerts in a FACTS program similar to the Exception Control Center (ECC) and provides an option for receiving alerts without using email.

API-TIME(ALC127)—Add Internal API to System Control, API Timeout Alert and changes to SMU955 to support (Defect 433997)

A new alert program, API-TIME (ALC127), was created as a part of defect 433997. This background process time-out alert allows users to subscribe to any or all API requests. If the API request has timed out, the user will be notified by email or the ACC for the API that has timed out.

Background Process Metadata FM (SMF008)—Add Continuous frequency, for ION, and System Wide to the Allowable Options for Background Processing (Defect 431505)

A new Continuous frequency type has been added to the Background Process Metadata FM (SMF008). If a process is marked as Continuous and has ended, it will be restarted by SMU954. If the Disable Background in System Control F/M > Settings is checked, these processes will be shutdown. A new Keep Alive process has been added to SMU953 to perform the necessary tests to determine if the process should be shut down and what status code to exit with. If SMU954 is not running, the Continuous frequency processes will shut down.

A new "For ION" option has been added to SMBKPM for use in Background Process Metadata FM. If a process is flagged as For ION, it will only be launched by SMU954 if the Use ION option is checked in Company Control F/M. If a process is running that is For ION, is continuous, and the option for Use ION is unchecked, the process will be shutdown.

A "System Wide" option has been added to SMBKPM for use in Background Process Metadata FM. If a process is flagged as System Wide, one process will be invoked by SMU954 per FACTS instance (instead of one for each FACTS company). If the Disable Background is checked in System Control F/M> Settings is checked, these processes will be shutdown.

Centralized email sending capability via CSEMAIL via %CSYS (Defect 442672)

The 7.9 release of FACTS includes adding a new object, CSEMAIL.pvc, to the system and a new property, EMAIL_OBJECT, to the %csys object. All FACTS programs that utilized the "*web/email" call were modified to use the %csys'email_object instead. The net result is the change allows the FACTS system to perform centralized email sending capability via the new object.

Ship Via Search Screen—Added warehouse field (Defect 458662)

The Ship Via Search screen, available from Customer F/M and other locations in FACTS, has been modified to include a Warehouse field. The user can specify a warehouse or clear the Warehouse field to disable the "Go to" option. If the user does not have a default warehouse specified, the search window will show all warehouses and the "go to" option is disabled. If the user has a default warehouse specified, that default warehouse is the warehouse listed in the new field and the Ship Via Search window will display only the options available for that warehouse, and the "Go to" option will be available.

UPCLFXPGM Program incorporated into the Upgrade Process (Defect 476718)

For customer systems upgrading from FACTS version 7.8, the upgrade to FACTS version 7.9 will correct the known issues that have been addressed for cost layer processing and usage.

UPCLFXPGM completes the following processing and corrects the issues listed below:

a   Fix adjustment quantities:

- If more than 1 disbursement was consumed on a negative adjustment, the quantities on the subsequent disbursements were wrong.

- Correct the disbursement values for adjustments to match for qualified/actual usage and disbursement quantity. Flags ICWHSE to rebuild usage.

b   Apply missing transfer shipment number to disbursements:

- Some transfer-out disbursements did not have the transfer shipment number properly recorded.

- For disbursements of type TR that are missing the shipment number, the source transfer line record is located and the shipment number is applied to the disbursement.

c   Update complete flag for GL Inventory and Offset accounts for transfer disbursements:

- Some transfer disbursements were not properly marked as complete and some recorded the GL numbers without the branch.

- If the transfer document is a "past"/completed transfer, update the complete flag to "Y".

- Update the GL account numbers to include the proper branch.
  Note: the GL was updated correctly, but the disbursement record recorded the GL number without the branch, causing cost discrepancies to post to the base account.

d   Update the complete flag for transfer receipts:

- Some transfer receipts were not properly marked as complete.

- If the transfer document is a "past"/completed transfer, update the complete flag to "Y".

- If missing GL account numbers, locate the proper GL account number and populate.

e   Correct transfer GL Cost on disbursements:

- The cost stored on the past transfer disbursements could have been wrong if more than one receipt was used and the UM was not the "smallest" UM.

- Update the disbursement cost, based on the actual receipts that were consumed.

f Correct the transfer out cost on the past transfer document:

- If the disbursement cost was updated above, the transfer-out cost on the transfer would have been incorrect.

- Update the transfer out-cost based on the corrected disbursement costs.

g Correct transfer receipt layer cost:

- If the transfer-out cost was corrected above, the transfer-in cost would have been wrong.

- Update the receipt cost and unit of measure to match the transfer-out cost.

h Fix negative PO disbursements that were reporting usage:

- If a negative PO is reporting as usage, the disbursement will be changed to not update usage.

- Flag the ICWHSE record to rebuild usage for the warehouse + item.

i Correct MC, MF, MI, MP (manufacturing bill of materials and formulation) receipts that should be marked as complete:

- Some MC-related receipts were not marked complete.

- If the source document is not in the production file, the receipt layer complete flag is set to "Y" for records with an original complete flag of "N".

j Check the special order flag for ICRCPT records:

- If the special order flag is a "P" or "T", set to "Y".

- If the special order flag is a "B" set to "N".

- If value is not "Y" or "N", then set to "N".

- If a special order tie was broken after the receipt of inventory, the receipt would not be available for other documents to consume.

- All receipts are checked for whether they are properly marked as special order, and the flag is updated accordingly.

k Correct special order receipt ties:

- In some cases, a direct ship or a special order receipt could have been consumed by a warehouse-ship or non-special order disbursement.

- For special order receipts, ensure that the disbursements are for the special order. If they are not, move them to a different receipt.

l Correct missing SO usage dates:

- For SO disbursements, missing Usage Dates from SO documents will be set to the SO order date if available. If not, then the disbursement date will be used.

m Recalculate ICRDST.GL_Cost$ for MC and SO disbursements:

- For LIFO/FIFO companies, after correcting all of the issues above, the SO and MC disbursements need to be recalculated.

- Update the disbursement GL costs from the actual receipts used.

- If the disbursement costs changed, update the historic SO document with the correct cost.

n   Correct Past Invoice Cost and post changes to Sales Analysis:

- Recalculate the past invoice cost using the update cost layers.
- If a cost change is necessary, update the past invoice cost and post the changes to Sales Analysis.

o   Correct past Adjustment unit cost:

- Recalculate and update past adjustment costs based on updated cost layers and disbursement records.

p   Locate missing GL account numbers for negative MC Formulation receipts:

- Locate receipts of type MI and MP with missing GL account numbers.
- If posting to GL for MC, then locate the ICMAST record and GL Posting table.
- The GL posting values will then be applied to the ICRCPT records.

q   Correct past SOBOMS having the parent item in SORSOL updating usage:

- Locate SOBOMS transactions in ICRDST and then read the parent item from SO Past Invoice Detail.
- Reset the Update Usage flag in ICRDST for the parent item, record usage for the BOM components and flag the warehouse record for usage rebuild.

r   Correct EW CRS documents creating a disbursement:

- A CRS document processed in an EWMS environment will have created a disbursement instead of a receipt.
- This disbursement will be removed as the credit memo will have properly created the receipt.

The UPCLFXPGM program also produces a log file, which is located in the base FACTS installation folder. The file, Infor_cost_fix_YYYYMMDD_HHnn.log, contains the following information for each record processed:

LogDate, LogTime, Action/Stage, DocType, DocKey1, DocKey2, DocKey3, Line, CompLine, Whse, Item, SerLotNum, Qty, QtyUM, Cost, CostUM, NewCost, NewCostUM, RecptChg, RecptKey, DisbChg, DisbKey, and Note.

The file data is tab delimited to allow importing into Microsoft® Excel for analysis as needed. Where applicable, the RcptChg and DisbChg flags indicate a receipt or disbursement update with the key of the record changed to allow a clear review of the data.

Enhancements

EOP and Removal Programs Normalization (Defect 444197)

The following End-of-Period programs were normalized to all operate and look alike.

ICU890 – IC End of Period Update

ARU890 – AR End of Period Update

APU890 – AP End of Period Update

MCU890 – MC End of Period Update

SOU890 – SO End of Period Update

POU890 – PO End of Period Update

The following removal programs were converted to run in a background process and are now controlled by new settings in System Cleanup F/M (SMF993).

APU810 - Vendor Ledgercard Removal

ARU810 - Customer Ledgercard Removal

ICU810 - Item Ledgercard Removal

ICU950 - Past Transfer Removal

POU510 - Cost Contract Removal

POU940 - Past PO Removal

SAU890 - SA Data Removal

SMU210 - Remove Messages

SOU110 - Quote Removal

SOU520 - Expired Contract Removal

SOU810 - CRS History Removal

SOU910 - Past Sales Removal

SOU920 - Past Invoice Removal

SOU930 - MSDS History Removal

System Clean Up F/M (SMF993)

New Accounts Payable, Accounts Receivable, Purchase Orders, Sales Orders and Sales Analysis tabs were added to System Clean Up F/M to specify how long (number of months) to keep relevant information. The details for each type of records retained in the modules are listed:

Accounts Payable—vendor ledger card transaction history detail.

Accounts Receivable—customer ledger card transaction history detail, AR Paid Documents, AR Check History

Sales Orders—for the following types of sales order documents:

quotes: converted or expired quotes from the system.

contracts: expired contracts entered the Contract Entry program.

CRS documents: completed customer return documents.

MSDS history: historical information for MSDS sheets sent.

past sales: historical information for past sales.

Purchase Orders—expired cost contracts and past purchase orders.

Sales Analysis—sales information in each of the following data files: branch, customer, salesperson, item, item class, customer/item, customer/item class, salesperson/item class, item/warehouse, item/invoice, temporary item, serial item, lot item, and invoice item master. (Each SA data file can have a different number of periods to store the information.)

Enhancements by Module

Accounts Receivable

AR Code List (ARR790) now in report formatter (Defect 453688)

The AR Code List (ARR790) report program has been updated to use the FACTS Report Formatter tool.

AR Field Expansion

The following fields have been expanded in 7.9. Note that these field expansions impact multiple reports and the AR Statements and in some cases change the field location within the file:

 ARLEDG - Customer Ledgercards

-Moved field 7(1,11) to new Field 9, len=16, amount$

-Moved field 7(12,11) to new Field 10, len=16, balance$

AROPEN - AR Open Documents

-Moved field 7(1,11) to new Field 21, len=16, orig_amt$

-Moved field 7(12,11) to new Field 22, len=16, orig_cost$

-Moved field 7(23,11) to new Field 23, len=16, orig_discount$

-Changed field 8 to len=16, current_amt$

-Changed field 9 to len=16, current_discount$

ARPDOC - AR Paid Documents

-Moved field 7(1,11) to new Field 21, len=16, orig_amt$

-Moved field 7(12,11) to new Field 22, len=16, orig_cost$

-Moved field 7(23,11) to new Field 23, len=16, orig_discount$

-Changed field 8 to len=16, current_amt$

-Changed field 9 to len=16, current_discount$

AR File Changes

ARCNT06 - AR Static Control F/M, ARO Record

-Field 6, paid_doc_periods$ moved to SMCLUP

-Field 7, check_history_periods$ moved to SMCLUP

Inventory Control

Auto-Calculate Review Cycle (Defect 442250)

In FACTS 7.9.0, a new Use Target was introduced to specify the default target used to auto-calculate the review cycle. The review cycle is calculated by determining the number of days, given current ADU, it would take to achieve the selected target, and the calculation is performed during the R1 nightly replenishment recalculation, after new ADU's have been calculated.

This feature is especially useful for seasonal items whose ADU fluctuates significantly through the year. As ADU increases, the review cycle will decrease, and as ADU decreases, the review cycle will increase. You should always establish reasonable minimum and maximum review cycles when utilizing this feature.

The following programs were modified to implement the enhancement:

Replenishment Parameter Maintenance (ICF990)

For the Review Cycle parameter, a new Use Target dropbox was added to Replenishment Parameter Maintenance. You can specify cost, weight or cubes to use as the default target for auto-calculating the review cycle, or you can specify none if you do not want FACTS to auto-calculate the review cycle.

Setup Review Cycle (ICE560)

The edit screen for Review Cycle Setup (ICE560) was also enhanced to include the new Use Target dropbox. You can specify cost, weight or cubes to use as the default target for auto-calculating the review cycle or you can specify none if you do not want FACTS to auto-calculate the review cycle.

Review Cycle out of Range Alert (IC-REVCYC, ALC132)

Along with the auto-calculate of review cycles, an optional alert has been added to notify buyers if the calculated review cycle is too far below the minimum or above the maximum.

Replenishment Parameter Maintenance (ICF990)

Two new parameters, Vendor Review Cycle Outside of Limits Alert (IC-REVCYC) and Transfer Review Cycle Outside of Limits Alert, have been implemented in the Replenishment Parameter Maintenance (ICF990) program. The new parameters are located under the Alerts category.

The Scope settings for the Vendor Review Cycle Outside of Limits Alert parameter are Company Warehouse, Vendor, and Purchasing Line and for the Transfer Review Cycle Outside of Limits Alert are Company, Warehouse, and From Warehouse.

The calculation will be based on the users' selection of cost, weight or cubes in the Review Cycle Setup (ICE560). The parameters take in to consideration variance settings of Days or Percentages when determining whether to send an alert.

Advance by Lead Time for Seasonal Items Enhancement (Defect 469531)

For seasonal items, the date used for the starting point to calculate usage can now include an adjustment for lead time. The usage period start date for usage calculations on seasonal items is adjusted by the average lead time to reflect the need when the product is to arrive.

Replenishment Parameter Maintenance (ICF990)

Two new parameters, Seasonal Lead time Advance for Vendor ARPs and Seasonal Lead time Advance for Transfer ARPs, have been implemented in the Replenishment Parameter Maintenance (ICF990) program. The new parameters are located under the Usage category.

The Scope settings for the Seasonal Lead time Advance for Transfer ARPs parameter are Company, Warehouse, From Warehouse, Item and Warehouse/Item, and the Scope setting for the Seasonal Lead time Advance for Transfer and Vendor ARPs the scope settings are Company, Warehouse, Vendor, Purchasing Line, Item, and Warehouse/Item.

Minimum Order Quantity (Defect 470962)

This enhancement adds a minimum order quantity to the replenishment calculation. The replenishment calculation was modified so that if the calculated recommended order quantity falls below the new minimum order quantity, it will be increased to the new minimum order quantity.

Replenishment Parameter F/M (ICF990)

In the Replenishment Parameter F/M (ICF990) program two new parameters were added to the Order Quantity category. The new categories, Minimum Order Quantity for ARP Vendor and Minimum Order Quantity for ARP Transfer, allow you to implement the minimum order quantity.

For the Vendor ARP, the valid scopes are Vendor/Item, Item, and Warehouse/Item. For the Transfer ARP, the valid scopes are Item and Warehouse/Item.

Correction to Rolled-Up Usage Methodology

When using a warehouse ARP, the child warehouse usage is rolled up to the parent. The process now calculates the ADU for each child, using all of the replenishment controls for that warehouse, then adds up the child ADUs to add to the parent's ADU.

In 7.8, the raw usage numbers for the children were added into the raw usage numbers for the parent, then the parent ADU was calculated using the parent's replenishment controls.

7.9 provides a more accurate parent ADU because it honors each child's settings.

Purchase Orders

PO Search by reference number (Defect 466178)

The following files were updated to have case-insensitive keys on reference number:

POPASH - Past PO Header

-New Key, kno=6, company + reference # (CI) + PO + Receipt

-New key, kno=7, company + vendor + reference # (CI) + PO + receipt

PORPOH - PO Header File

-Changed Key, kno=2, Reference # segment made case insensitive

-Changed Key, kno=3, Reference # segment made case insensitive

POUPDH - Updated PO Header File

-Changed Key, kno=2, Reference # segment made case insensitive

-Changed Key, kno=3, Reference # segment made case insensitive

All PO and Past PO searches have been updated to include a reference number sort order.

Buyers Control Center Shipment Method for Transfers (Defect 388005)

In FACTS 7.9, a Ship Via user entry field was added to the Buyers Control Center Detail (POE405) screen when the activity is Transfers, allowing the user to set the transfer's ship-via from within the BCC.

Buyers Control Center, Exception Control Center, and Alert Control Center—Add drill-down to Item F/M and Item Whse (Defect 46509)

The Buyers Control Center Detail (POE405), Exception Control Center (POE410) and Alert Control Center screens were enhanced to include drill downs to Item F/M and Warehouse/Item F/M.

Auto-Recalculate All Buyer BCC Information

Buyer Code F/M now includes the option to have the buyer's BCC Recalculate All automatically run as part of the nightly replenishment calculation. Buyers can select to have their recalculate all run for Procurement and/or Transfers. This option is available as a time saver so the buyer doesn't have to run the recalculate first thing in the morning.

Auto-Recalculate All Returns BCC Information

PO Static Control F/M now has the option to have the nightly replenishment calculation automatically run the BCC recalculate all for returns.

Sales Orders

SO Field Expansion

The following fields have been expanded in 7.9. Note that these field expansions in some cases change the field location within the file:

SOMNTH - Period Sales Register

-Move field 4(1,12), merchandise_amt$ to field 8, len=16

-Move field 4(13,12), misc_amt$ to field 9, len=16

-Move field 4(25,12), cost_amt$ to field 10, len=16

-Move field 4(37,12), invoice_disc$ to field 11, len=16

-Move field 4(49,12), taxable_amt$ to field 12, len=16

-Move field 4(61,10), tax$ to field 13, len=16

-Move field 4(71,9), freight$ to field 14, len=16

-Expand field 5, total_cash_sales$ to len=16

-Expand field 6, num_of_invoices$ to len=16

CRS Control F/M (SOF890)—Wait Approval Memo (Defect 403355)

The Forms tab of CRS Control F/M (SOF890) was updated with a new Memo field for Wait Vendor Approval. This memo will print on zero-dollar credit memos where the credit is waiting on vendor approval. FACTS does not default this value – this is intended to help customers understand that the items were received, but that the credit will not be issued until the vendor approves the return.

SO Code List (SOR795) now in Report Formatter (Defect 453688)

The SO Code List (SOR795) report program was updated to use the FACTS Report Formatter tool.

CRS/BCC/PO Entry Temporary Item Processing Enhancement (Defect 468132)

The Customer Returns System (CRS) was enhanced to include temporary items in returns processing. This enhancement includes programs in both the Sales Orders and Purchase Orders modules.

The Customer Returns Entry (SOE810) program now allows returns processing for temporary items.

In Customer Returns Entry, you can now enter temporary items for returns processing for the following return options:

- Return to Warehouse
    - CRS temporary item returns may not have a consolidation warehouse that is different from the return warehouse.
- Return to Vendor for Credit
- Return to Vendor for Replacement
    - Note that the customer replacement option "Direct from vendor" is not allowed for temporary items.
- Scrap
- Repair

Temporary items created in CRS are not editable in the Buyers Control Center or the PO Entry Suite.

In FACTS 7.9.0, the CRS Quick Entry program does not allow entry of Temporary Items.

PO Returns Processing for Temporary Items

You can process returns for temporary items in the Buyers Control Center (POE400), Purchase Order Entry (POE120), Receipt Entry (POE210) and Non-PO Receipt (POE220) programs. You can enter a temporary item having a negative quantity with no tie to any document.

In the PO Entry Program Suite the entry of temporary items with quantities > 0 is not allowed unless it is a special order tie.

PO document lines tied to CRS cannot be edited; this includes lines for temporary items tied to CRS as well.

Vendor Return type (V-Type) records

Entry of a temporary item in the Buyers Control Center (POE400) creates a CRS Vendor Return ("V") type document/line record in SOCRSH/L just like for IC Master table (ICMAST) items. Entering a temporary item in the Customer Returns System in the Sales Order module also creates CRS Vendor Return ("V") type document/line records.

These V-Type records are used in reporting and alerts to track returns to vendor.

Entering items directly in PO Entry, Receipt Entry and/or Non-PO Receipt does not create V-type document/line records. In order to track a temporary item return, it is necessary to create the return in Customer Returns Entry (SOE810) or via the Buyers Control Center (POE400).

Customer Returns Entry (SOE810)

The Item field in Customer Returns Entry was enhanced to allow the entry of temporary items. When an item number that does not exist in the Item Master file, a new message displays asking if this is a temporary item.

Customer Returns Line Entry (SOE811)

A new Temporary Items section was added to allow the user to modify the item description of 'TEMPORARY', and enter the weight, UM, item class, and vendor for the temporary item.

PO Entry Suite (POC999)

When entering a temporary item in the PO Entry Suite programs, a new screen allows entry of the item description, weight, UM, item class, and whether the item is taxable.

Buyers Control Center Detail (POE405/POE406)

On the Buyers Control Center (BCC) Detail (POE405-for returns) and (POE406-for transfers) screens, you can now enter a temporary item. When an item number does not exist in the Item Master file, a new message displays asking if this is a temporary item. Answering Yes will display the new temporary item fields (POC999) screen. You can also click "Temp" on any temporary item return line to modify the temporary item information.

Reporting Changes

The following programs were modified to include temporary item information in their output.

> Receiving Document Print (POR210)
>
> PO Status Report (POR710)
>
> Period Receipts Report (POR810)
>
> Period Invoice Receipts Report (POR820)
>
> Period Receipts Discrepancy (POR830)

Lost Sale Reason Code—Default Update Usage Flag

When deleting Sales Order documents or lines and indicating to record the lost sale, or when entering a lost sale, it is important to properly indicate whether the lost sale should count as usage. To facilitate that, the lost sale reason code now has a setting for how to default the update usage flag.

Order Quantity vs. EOQ

FACTS 7.9 corrects the use of Frozen Order Quantity in FACTS 7.8. References to this field have been changed from "Order Quantity" to "EOQ", and freezing it freezes EOQ. In 7.8 there was confusion between this field and "Recommended Order Quantity" which is calculated and displayed in the Buyer's Control Center.

Changes will be visible in Warehouse/Item F/M, Replenishment Parameter F/M, BCC, Show Math, etc.

CSREPLENP.PVC Changes

All methods and properties in CSREPLENP.PVC which referred to order quantity or calculating order quantity have been eliminated, and new methods and properties have been added for EOQ. If you were utilizing any of the order quantity methods or properties in csreplenp.pvc, you should evaluate that code to ensure you are using the correct new ones.

System Management

Alert Control Center (POE410)

The Exception Control Center (also POE410) is buyer-centric. The ACC provides most of the same functionality as the ECC but is FACTS user code-specific, allowing non-buyers to subscribe to alerts without requiring that they have email capability. This is more important as we introduce alerts that are for non-replenishment activity.

System Alert Dashboard (ALE100)

The Manage Subscriptions screen of the System Alert Dashboard now allows the user to specify whether they want to receive each alert via email, ACC or both.

Background Scheduler Dashboard (SME910)—Bounce process for a continuous background process (Defect 441519)

A new right-click option called 'Bounce' has been added to the Background Scheduler Dashboard. The option is only available for Continuous-type processes that are currently 'running'. The Bounce option forces the selected process to stop/restart. In the Show History screen, for a process that was "Bounced", the Result Column displays "Interrupted" and the Shutdown Reason Column displays "Bounced".

System Control F/M (SMF950)—Soft-code the UnForm Client Command (Defect 47191)

A new field, Unform Client Command, was added to the System Control F/M (SMF950) on the Archiving tab for the UnForm Client command name. If the field is left blank, the default command, "uf90c", will be used.

System Clean Up F/M (SMF993)—AR Static - Move Paid Docs and Check History to System Clean Up F/M (Defect 46909)

Two new fields were moved from AR Static Control F/M to System Cleanup F/M: # periods to store paid documents, and # periods to store check history. The option not to store any has been eliminated; at least 1 month must be kept.

Storefront Country Selection (Defect 405053)

A new Storefront Country Selection (SMU965) program was introduced to allow the user to specify which countries are uploaded to Storefront. To access this program, choose System Management>File Maintenance>Storefront Initialization Program. You can 'Select' or 'Unselect' All Countries in the line browser, as well as double-click any Country Code/ Name line in the browser to select (Yes in the Selected column) or un-select a single line.

Document Delivery

Document Routing Enhancement

The Document Delivery product was enhanced for the FACTS 7.9.0 release. In the FACTS AP, AR and SO Document Inquiry programs, the Document Routing views now display all routes, even those with specific to ship-to or ship-from location.

Document Delivery also has a new routing export/import capability for the AR account routes only. You can now export the AR account routes to Microsoft® Excel, make changes, and then import those changes.

The System Clean up F/M (SMF993) program was also expanded to include Document Delivery log entries.

Service and Repair

External Costs Enhancement

The External Costs enhancement allows you to assign external costs to Service and Repair tickets. These are costs that are neither technician time nor material related. External costs come in the form of Accounts Payable expenses, either being a charged fixed cost or an outside service.

When you close the service ticket in Service Ticket Entry (SRC550), you can change the selling fields (fixed selling charge or chargeable rate) and the description that prints on the invoice. However, you will not have access to the cost fields.

Invoices will display labor cost charges as any other labor cost, and fixed-cost charges will now print under a new section, Miscellaneous Charges.

The Daily Sales Register (SOR310) only posts the revenue portion to the General Ledger as the cost portion will already be posted through Accounts Payable.

External Cost Entry (SRC710)

A new screen, External Cost Entry, was added to the Service and Repair module. You can access this screen from the Service button on the AP Document Entry (APE110) and Document Adjustment Entry (APE120) programs. Using this screen you can assign costs to one or more service tickets. Costs can be applied to both open and closed service tickets. Costs can be either fixed costs or labor costs. If the person entering the payable is unable to supply the amount to charge to the customer, the amount can be entered when closing the service ticket. If you are applying an external cost to a closed service ticket, you will not be allowed access to the pricing fields; only the cost fields are available. The External Cost Entry screen will return the cost amount to Document Entry or Document Adjustment Entry screen.

Service Ticket Entry (SRC550)

The Service Ticket Entry (SRC550) program was also enhanced. A new External Costs tab was added to the program so you can modify the fixed selling charge or chargeable rate and the description that prints on the invoice. However, you will not have access to the cost fields.

AP Document Entry (APE110)/ Document Adjustment Entry (APE120)

The AP Document Entry and AP Document Adjustment Entry programs were enhanced to include a Service button to access the External Cost Entry screen. External costs are entered during line entry, where clicking the Service button brings up the External Cost entry screen.

Document Entry and Adjustment Register (APR110)

The Document Entry and Adjustment Register (APR110) program was also enhanced. Now when you run the Document Entry and Adjustment Register (APR110), if any external costs were entered, an External Service Recap Report is printed as part of the register.

SO Document Inquiry (SOI610)

The SO Document Inquiry (SOI610) program was enhanced to include a new External Costs tab. Once the external charges have been posted, they can be viewed in SO Document Inquiry

Invoice & Credit Memo Print (SOP310) / Invoice Print from Confirmation Entry / Direct Invoice Entry

The Invoice & Credit Memo Print (SOP310) and invoice print routines were enhanced to include a Miscellaneous Charges section on the invoice The invoice print includes these costs in one of two ways:

- If the costs were entered as labor costs, these charges appear as any other labor cost.
- If the costs were entered as fixed costs, the charges print under an added section: Miscellaneous Charges.

FACTS 7.9.0 Technical Changes

ATC040—New Hook Point Request (Defect 428706)

The following hook point was added to ATC040:

```
0385 if not(checked_atc04a_custom_line_update) or
got_atc04a_custom_line_update then checked_atc04a_custom_line_update=1;
perform "prog/AT/ATC04A;custom_line_update",err=*next;
got_atc04a_custom_line_update=1
```

DO Metadata File Changes for ION

Many changes have been made in FACTS 7.9 in preparation for the FACTS integration to ION. These features will not be utilized in 7.9.

Database Definition (DOE400)

In preparation for interacting with the ION inbox and outbox, we have enhanced the database definitions to abstract all of the connection information in a single location.

CSSQL.PVC Database Object

A new object, CSSQL.PVC, was created to manage connection to and interaction with a SQL database. It utilizes the updated DODATA file to simplify the process of connecting to a database.

CSYS.PVC System Object

Many new methods have been added to the CSYS object, including:

function mask$(length)

function mask$(length,decimals)

function mask$(length,decimals,negative)

function mask$(length,decimals,negative,thousands)

function mask$(length,decimals,negative,thousands,zeros)

function xmlin$(orig$)

function xmlout$(orig$)

function xmltag$(indent,xmltag$,xmldata$,data_type$,exclude_blank$,asis)

function xmltag$(indent,xmltag$,xmldata$,data_type$,exclude_blank$,asis,attributes$)

function label$(orig$,width,justification)

function label$(orig$,width,justification,char$)

function label$(orig$,width,justification$)

function label$(orig$,width,justification$,char$)

function period_plus$(f_pd$,f_pds)

function period_plus$(f_pd$,f_pds,f_yearfirst)

function period_plus$(f_pd$,f_pdperyr,f_pds,f_yearfirst)

function date_plus$(f_date$,f_days)

XML Generation Enhancement

A new type of API XML Generation is now supported which utilizes the search driver (SMC600) in recursive calls to build XML of any depth and structure. Each node of the XML requires an entry in API Entry (SMU950) and an associated SMGCTL record.

In SMU950 Data Tag Entry, you create a data tag with a new data type of N-Node and connect it to the API that generates the XML in that node.

This functionality will be used to generate the outbound BOD XMLs to be delivered to ION.

A sample set of APIs is included in FACTS 7.9: Test, TestL and TestS

To start the generation of the XML, you call
"prog/SM/SMC600;enter_recursive",api_list$,api_name$,api_key$,_xml_channel,_xml_indent,smapir,smapin,smapit,dotype,smpckh,smpckl,smudfs,error$

Fixed Defects

This table shows the defects fixed in Infor Distribution FACTS 7.9.0.

Defect Number	Short Description	Linked Incident Number
240650	The Item changer allows the user to enter data ahead of time which is nice. However- if another user happens to set up a new item number in item F/M- and the new item number is already in the item changer.	3675944
283350	GUI - Convert MCU890 - End of Period Update	
298955	SA reports, data corruption in SADITM if alpha field is changed in Item F/M	4267829, 6358277, 7721025
350438	Program Usage Report, get message "nothing to print" if selecting just one program	5326018
369554	Get an ESCAPE at line 6950 in SOC503 during order entry	5788028
371300	AR Cash Receipts Entry - not checking for On Account Records already on file	5851254
388005	Need shipment method for transfers	
389301	Cash Receipts Entry - Apply screen. buttons at bottom of screen spacing is off	
403355	Zero dollar Credit Memo created via CRS/VRS Await Approval	6657034
405053	Would like to be able to control which Country Codes are sent to Storefront	6690739
411910	SETTING UP USER MENU - CNNOT ENTER SAME PROGRAM TWICE	6818511
413808	Error 2 at 20435 in SOF970 adding a zone to any whse after adding Whse 04 zone	6852079

Defect Number	Short Description	Linked Incident Number
414598	empty FL data files	6867044
422068	DSR hyperlinks for service tickets	6990427
424047	Problem with detect in rule set [SRP525 Contract]	7037254, 7118620, 7151387
426199	item inquiry on component of formula	7070165
427447	Program does not allow you to put a credit memo in the reprint file.	7095253
428706	New hookpoint request.	7118209
429513	Purchase Order History from Lead Time view of BCC - not correct	7125789
430576	ICU410 Error routine contains invalid program name	7151363
430936	Warehouse F/M, ICF970 - directory validation incorrect	7155052
431259	Create SMXBLF (log file) and SMXBEC (event code file - metadata) and SME994 f/m for event codes	
431270	System Cleanup - add for SMXBLF	
431505	Add Continuous frequency, For ION and System Wide to the allowable options for Background Processing	
431697	API Entry SMU950 enhancements for 8.0	
431889	Changes to Background Scheduler Dashboard to for System Wide processes	
431918	Add ION Inbox XML Delivery Destination pick list option to System Control F/M	
431938	EWMS AND ORDER CONFIRMATION	7177015
432407	New Alert - BK-I2 OUT - ALC128 - Delivery Failure of XML to ION Outbox	
432426	New Alert - ERR XMLGEN - ALC129 - Failure to generate XML	
432477	New Alert - BK-I1 DXML - ALC130 - Delivery Failure of XML	
432634	Long Invoice via UnForm always prints as REPRINT	7190131, 7786613

Defect Number	Short Description	Linked Incident Number
433008	Updates to SMPUBQ for logging and key changes. Additional changes to DOU111 for IO procedures	
433423	"!" may overwrite customer item number.	7205142
433766	Examples in Ch. 2, Unix install need to have 'Unix-Linux' added.	7210451
433983	Bill to info positioning on past invoice long form doesn't match invoice	7223166, 7572832
433997	Add Internal API to System Control, API Timeout Alert and changes to SMU955 to support	
438379	Minor bug fix to POC222 - missing code to send receipt number	7308930
439373	I2 background process for writing to ION Database outbox	
441519	Bounce process for a continuous background process	
442250	Review Cycle - default, auto calculate, fix whse rollup in BKC603, change CSREPLENP.pvc ADU/AMU, Show Math	
442672	Centralized email sending capability via CSEMAIL via %CSYS	
443961	I1 background process for publishing XML to destinations	
444197	EOP and Removal Programs Normalization	
444286	Printing not from SME710 does not produce, for example Customer number	7395128
444948	SOR510 Contract Listing to UnForm not formatted correctly, using SRP525 rules	7405722
444954	Err 13, Ln 36930, Pgm SOE567	7405674
446877	Menu Listing - Title/Caption Column is showing translation object	7438501
449959	Typo on hook - SOR314 line 2882 - all references to "ichwse" should be "icwhse"	7499737
450227	Background Process Log File Viewer	
450634	CRS Status Report - Status Criteria does not	7509773

Defect Number	Short Description	Linked Incident Number
	appear to be working	
453688	SO and AR code list reports now in report formatter	
453698	Error 12 at 630 in ALC120	7570105
453887	SMCNTL record SOA converted to file SORSNC	
453888	SMCNTL record SOL converted to file SORTNC	
453915	SMCNTL record SOR converted to file SORTEC	
454591	Move "SMM" from control file to SMCMPY	
454645	ARR removal	
455376	ARF control record removal	
455377	DOU100 CHANGES FILLER FOR SMDD.INI	7600170
456641	Error 11 line 3413 program POC405	7612820
456877	Override Rounded Purchase Quantity Pop-Up Box	7627213
457613	Vendor F/M, change country code and name display does not change	7644387
458096	Order Status Report is not totaling "on hand" and "on order"	7654691
458662	Customer F/M, Ship Via search does not work properly	7666095
458683	Remove ARJ control record, add ARAJCD	
458912	e46 on line 3620 of ARP111, and reprint all does not work	
459193	Move "ART" from control file to ARTCDS	
459235	FACTS missing valid Country/State codes	7678624
460769	LIFO/FIFO layers always relieved FIFO	7705594
460971	How to edit 'constant' field in DOFILB records?	7670439
461029	ERROR 13 at 31325 in ICI610 after selecting Lost Sales in Item Inquiry	7713184
461141	Move "ARK" from control file to ARCCLS	

Defect Number	Short Description	Linked Incident Number
461464	Report Formatter Missing 'PO" info field in item_tier for SO Past Invoice Report	7721118
461576	SMC550 Not Posting AP Document # to GL Source Detail (GLJNLS) for AP Checks	7721543
461751	Error 47 line 20170 in ICU521, Physical Inventory Update	7724399
462016	BCC not picking up Vendor Item Cost for Items Above Line Point	7723834
462016	BCC not picking up Vendor Item Cost for Items Above Line Point	7734572
462017	POR310 PO Invoice Receipt register printing entry date not due date	7730974
462212	MCR710 - VENDOR ORDER - DOES NOT ALLOW FOR ITEM CLASS ENTRY	7734441
463059	Error 13 at 21160 in ICF950 trying to delete item class	7749213
465409	Add Item F/M and Item Whse F/M Drill Down to BCC, ECC, and ACC	
466178	Add reference number search to PO search "sort by" dropboxes	
468132	Temporary items through CRS/BCC/PO suite	
469409	AR Static - Move Paid Docs and Check History to System Clean Up F/M	
469531	Advance by Lead Time for Seasonal Items	
469695	ACH Email does not contain the company name	7858255
470185	New Background Process for BCC auto-calculate Returns/Procurement/Transfers, per buyer and PO static	
470209	SOR741, 20060, variable misspelled. uses solosl.date_lost$ & solosl.lost_date$	7867966
470687	Customer Returns Status Report shows documents as open after return is complete.	7876984
470912	ARR740 code X for tax code , message tax Code Not on File, when valid tax code	7880881
470962	Minimum Order Quantity Replenishment	

Defect Number	Short Description	Linked Incident Number
	Parameter	
471104	Serial ID not properly supplied during XML generate in BKC201	
471699	ARI loosing customer number	7896897
471791	Soft-code the UnForm Client Command	
472291	Error 11 occurred at line 20510 in program BKC100 at (time) on (date)	7880532
472867	CenPOS Integration for CC Processing	
473594	New Alert for ARP with review cycles under min or over max	
476718	Incorporate cost fix program (UPCLFXPGM) into the upgrade process	