PTC®

Release Notes for PTC Service Suite
Version 4.2 F000

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Contents

Overview and Installation	4
/ersion 4.2 Product Updates	5
General Product Updates	5
Enable E-mail Notifications by Provider (2412)	5
Distributor Group Functionality (3222)	5
Automated Service Contract Improvements (3310)	6
Accounting Export Additions to Layout (3423)	6
iWarranty	6
Sharing Dealer Invoices (822)	6
Invoice Verification Enhancements (822)	7
Multilevel Claim Adjudication by Claim Amount (2413, 3305)	9
PDF Email Revision (3146)	10
VMRS Translation (3234, 3408)	10
Position Code and Description (3235)	10
Part and Labor Calculation Issue with Draft Dealer Claims Generated from Inbound RO Claim (legacy claim) (3246)	11
Commenting on Supplier Claims (3307)	11
Supplier RMA, Supplier Part Code Not Available (3308)	11
Supplier Claim, RMA, and Package Outbound Interfaces: Time-Based	
Extraction (3323)	
Supplier Claim Inbound Interface May Be Required (3326)	
New Default Rules Requirement (3405)	
Technician Part Code Key Required on Supplier Claim, Outbound File (3407)	
Failed Position Code Key Required on Supplier Claim, Outbound File (3409)	
Product Warranty Start Date (3410)	
Transaction Email Length Increased (3800)	
Service Exchange	
RMA Service Create Operation (3219)	14
/ersion 4.2 Resolved Issues	15

Overview and Installation

PTC is pleased to announce the release of PTC Service Suite 4.2. This version of PTC Service Suite contains many new features to increase user productivity. This document describes the product updates included in the 4.2 product release.

This release is available as downloadable files in two installable components:

- PTC Service Suite 4.2 Applications
- PTC Service Intelligence 4.2

The PTC Service Intelligence 4.2 installation includes the 10.2.1 FixPack 4 update of IBM Cognos, and requires that you have already licensed that version of Cognos with IBM, including obtaining a license for the Cognos Workspace and Cognos Workspace Advanced modules.

To install PTC Service Suite 4.2 Applications and PTC Service Intelligence 4.2, refer to the instructions available in their respective downloaded files.

PTC Service Suite online help and documentation is available in English. PTC Service Suite can be set to run in the following languages.

- Chinese (Simplified)
- Chinese (Traditional)
- English
- French
- German
- Italian
- Japanese
- Korean
- Spanish (Castilian)

Version 4.2 Product Updates

General Product Updates

The following general changes are included in the **PTC Service Suite** 4.2 release:

Enable E-mail Notifications by Provider (2412)

Distinct emails can now be sent from each business unit when they are set up as different providers. The segregation of email notifications by provider applies to notifications generated through escalations, system processes, and service exchange processes.

Distributor Group Functionality (3222)

Users can now set up a **Distributor** network similar to the existing **Dealer Business Partner** network. The parent distributor will have access to claims within their network and can both create and edit claims on behalf of their dealers.

The following changes have been made to support this improvement.

User Management

- A new function CLAIMDETAILSDISTRIBUTORGROUP has been created
- A new group IWARRANTYDISTRIBUTORGROUP has been created
- The function CLAIMDETAILSDISTRIBUTORGROUP has been added to the IWARRANTYDISTRIBUTORGROUP group
- Parent and Child distributor users have been created
- IWARRANTYDISTRIBUTORGROUP has been added to the Parent distributor group

Search

- Search screens show the Parent and Child organization codes prepopulated in the Distributor field.
- Quick search lists the claims that belong to both the parent distributor and associated child distributors.

Work Queue Summary

 Work Queues of Parent and Child organizations are displayed in the work Queue Summary.

Automated Service Contract Improvements (3310)

Automated Service Contracts can now be created through integration. The following updates have been made to support this improvement:

- Users can load Service Contracts that are in Draft, Pending, Approved, or Registered status.
- You can now use the same start date for both extended and standard warranties.
- You can now change the begin date of a service contract after it is registered and before a claim is submitted.
- You can now hide the **Payment** tab.
- Contracts loaded with Registered status cannot be updated.

Accounting Export Additions to Layout (3423)

The **Total Part Adjusted Amount** and **Total Parts Cost Amount** fields are now included in Accounting Transaction with Coverage Service and Supplier Claim Accounting Transaction with Coverage Service.

iWarranty

Sharing Dealer Invoices (822)

You can now optionally configure sharing of dealer invoices between members of a dealer network. A parent dealer can set **Invoice Sharing** to Yes on the **Business Partner Details** screen to give the child dealers access to the parent's and other children invoices.



If **Invoice Sharing** is set to No, dealers can only choose invoices submitted from their own locations. Parent dealers will have access to invoices of their child dealers.

With invoice sharing enabled you specify parts from invoices originating at any of the dealers in the network when creating a claim requiring parts changes. Parts pricing and related information will be based on the information in the specified invoice. When the claim is submitted, In Process Quantity, Available Quantity, and Claimed Quantity values on the specified invoice will be adjusted accordingly.

Invoice Verification Enhancements (822)

The following enhancements have been made related to invoice verification.

Business Partner

- Added a Parts Verification Required (True/False) indicator for Type Dealer. This
 indicator can be used to check if a Claim Originator must provide an invoice number for
 claiming parts reimbursement.
- Added an Invoice Sharing (True/False) indicator for Type Dealer. This indicator can be used to check if a Claim Originator can use an invoice belonging to their Parent or another branch for claiming parts reimbursement. (Refer to Sharing Dealer Invoices earlier in this section.)

Claims

- If BP > Parts Verification Required is True, Part Type is OEM, and Claim > Part Tab
 Invoice Number is blank, the message "Invoice # is required to claim parts reimbursement" is displayed.
- An invoice is valid for a part purchased within the last n months of the Repair Date:
 - o by the claim originator (submitting location) OR
 - o by [the parent BP of claim originator] OR
 - by [if 'Branch Invoice Sharing (True)' then a BP with the same Parent BP as the Claim Originator on claim].

The invoice date is compared against the repair date on the claim.

- Users now have the option of using the Look Up function to select a different invoice.
 The user can search for valid part invoices based on the part entered on the part line.
- The invoice lookup screen populates the invoice with data based on BP Code, part number, and Available Quantity for the Repair Date range in n months. (The part number is mandatory to provide a search result.) The Invoice Lookup search result set columns are Part #, Part Name/Description, BP Code, BP Name, Invoice Number, Invoice Date, and Available Quantity.
- When selecting a part from a list, the invoice number and unit price are displayed on the part line. The part price on the invoice becomes the unit price for the part on the part line.
- A parent account user can select parent or child invoices. A parent account invoice can be applied on a child account claim. When a parent is logged in, parent and child invoices are included in search results.
- If invoice sharing is enabled, child account users can select and use invoices belonging to themselves, their parent, and other children of their parent. If invoice sharing is not enabled, child account users can select and use only their own invoices. (Refer to Sharing Dealer Invoices earlier in this section.)

- Users can now enable parts invoice verification by claim type and request type. To
 enable these verifications, set the following values on the CLM Application Default
 Data page in Service Hub:
 - InvoiceVerificationClaimRequestTypes Set to the types of claim requests that can be shared. For example, "Payment,epay".
 - InvoiceVerificationClaimTypes Set to the types of dealer claims for which sharing will be available. For example, "Warranty,Extended,Goodwill".
- Parts can now have more than one invoice associated with them to support cases where a single invoice does not contain a sufficient number of parts.
- Shipped Date is renamed to Invoice Date.
- When the quantity on a claim's part line exceeds the available quantity on the selected invoice selected, Service Suite displays the message "Quantity limit exceeded. Enter another part line item."
- Quantity values are modified as follows when working with credits:
 - When a claim type of Credit is submitted successfully, the value of In Process
 Quantity is increased by the quantity submitted for the invoice and the value of
 Available Quantity is decreased by the quantity submitted for the invoice.
 - When a claim type of Credit is approved successfully, the value of In Process
 Quantity is decreased by the quantity approved for the invoice and the value of
 Claimed Quantity is increased by the quantity approved for the invoice.
 - When a claim type of Credit is rejected successfully, the value of In Process
 Quantity is decreased by the quantity rejected for the invoice and the value of
 Available Quantity is increased by the quantity rejected for the invoice.

Invoices

- Users can manually enter values for Part Price, Part Cost, and Currency Code when working with invoices.
- Parts prices and costs are added to invoices.
- Fields showing values for in-process and available quantities are added to invoices.

Integration

- Parts cost as well as invoice prices are imported from integrated ERP systems. The part costs will be used for the accounting entry made in the integrated ERP system
- The Business Partner service now allows invoice sharing for dealers.

Multilevel Claim Adjudication by Claim Amount (2413, 3305)

Multilevel claim adjudication by claim amount is now available. Service Suite can now support 4 levels of approvals, with customers designating the number of preferred levels. Multilevel claim adjudication is provider-specific. A new approval status field has been created for multilevel approvals so that an approval status can be set for each field; for example, **Level 1 Approved**. Only administrative users can modify levels, roles, and amounts. Users then define groups and dollar amount limits for each level. The process is set using the work queue flow.

Business compliance guidelines require claim adjudication to be role-based; certain roles can approve up to a defined dollar value. Also, the adjudication must follow the approval steps from the lowest level to the highest based on dollar value. It is preferred that users are prevented from approving claims beyond the approval threshold. Thresholds vary across business units.

Routing within an organization (provider) will only be through the existing **Assign** feature. The pending claim will follow a prescribed workflow, from work queue to work queue, based on the assigned user or role and the authorization level. For example, a claim will be in **Submitted** status when entering the OEM Admin work queue. If a claim does not require parts to be returned, it will enter **Submitted** status once the dealer clicks **Submit**. For claims which require parts to be returned, the claim will enter **Submitted** status once the parts have been received by the parts depot.

This process is intended to be automated as part of the natural workflow to establish controls for approval levels for a certain dollar value claim. Once a claim moves from the OEM Admin level to the next higher level, an email notification should be sent to the next level approver. The dollar values need to be provider code specific.

To enable this feature, set the following values on the **CLM Application Default Data** page in **Service Hub**:

Key	Allowed Values	Comment
ClaimMultiLevelAdjudication	TRUE (checked) FALSE (unchecked)	Main configuration that drives this functionality.
*ClaimAdjudicationLevels	Integer values, such as. 1, 2, 3, 4, 5.	Determines the number of levels of authorizations
ClaimAdjudicationFunction	Set Function name, such as AuthLevel . User should not use existing functions for naming.	Differentiate the authorization level users.

For example:



*Note: With this configuration you can define the provider specific ClaimAdjudicationLevels configuration. If you want to define provider specific data, you need to maintain an additional entry with that provider. ClaimAdjudicationLevels configuration will be at the installation level and should not delete this configuration.

Once the configurations are set, users must set the following data:

- Authorization levels Levels that are defined in the configuration. Authorization amounts/levels must be set in ascending or descending order. For example:
 - Level1—Up to \$100
 - Level2 From \$101-\$200
 - Level3 From \$201-\$300

Levels data must be less than or equal to the configuration count.

- Functions Function Name based on configuration.
- **Groups** Unique names created and assigned to the users.
 - Cross reference the groups and functions.
 - Assign the respective groups to the respective users.
- **Decision Table** Create the table (for example, CLM_WQ) using a two-column format to display **Structure** and **Data** information (for example,. AUTH_LVL, WQ_CD).

PDF Email Revision (3146)

Customers can now create a custom, one-page Claim PDF when using the **Email** and **Print PDF** functions on the **Claim Details** screen. To enable the improvement, set the **SinglePagePDFForm** configuration flag to **TRUE** on the **CLM Default Data Application** page.

VMRS Translation (3234, 3408)

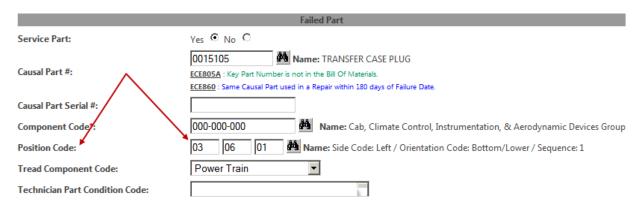
Manufacturer-specific VMRS codes (codes 33 and 15) can now be translated to industry-specific VMRS codes when generating supplier claims. Each of these manufacturer codes and descriptions can be displayed on supplier claim screens by checking

DisplayMfgCodesOnSClaim on the CLM Application Default Data screen available by choosing Service Hub > Admin Management > Admin Options > View CLM Application Default Data.

VMRS translation documentation is available in the **Documents** area of the VMRS XREF Manufacturer Service **Service Summary Details** screen, available by choosing **Service Exchange > Service Manager**, selecting VMRS XREF Manufacturer Translation Service, clicking **Go**, and then selecting a listed VMRS XREF Manufacturer Service.

Position Code and Description (3235)

When applicable, a part's position code and description have been added to the **Claims Details** and **Supplier Claim Details** screens.



The position code and description have also been added to the claim and supplier claim PDFs.

Part and Labor Calculation Issue with Draft Dealer Claims Generated from Inbound RO Claim (legacy claim) (3246)

Parts prices are now saved upon uploading the legacy claim data. With this improvement, **Part Price**, **Adjusted Amount**, **Requested Amount**, and **Total Amount** are copied from the RO to the dealer claim. Labor details, including Labor Rate, should be copied from the RO.

Users can create a new Part line item on the dealer claim when part details are derived from the part master. Users can edit and modify the Adjusted Amount for all part line items and all labor line items. In addition, users can edit and set part prices on Model claims.

Commenting on Supplier Claims (3307)

Dealers can now optionally view and edit supplier claims, adding comments and attachments to the claims in response to questions and comments suppliers have made. This interaction is not a common business process, particularly when parts of the dealer network are external.

Supplier RMA, Supplier Part Code Not Available (3308)

The Supplier Part Code and the OEM Part Code are now displayed on the RMA screens. The Supplier Part Code is also included in the RMA pdf and the Service Exchange outbound service. No configuration flag is required to enable this feature.

Supplier Claim, RMA, and Package Outbound Interfaces: Time-Based Extraction (3323)

Delta extraction based on the previous fire times of Supplier Claims and RMAs is now available for outbound interfaces.

Supplier Claim Inbound Interface May Be Required (3326)

A Supplier Claim outbound interface, which includes additional claim and coverage related data, is now available. A Supplier Claim inbound interface has also been created, which updates claims that have a status of **Pending**, **Info Provided**, and **Adjustment Revised**.

The following statuses are applicable for supplier user:

Status	Tab	Fields
PENDING INFO_PROVIDED ADJUSTMENT REVISED	Claim	Approved Amount (Claim Total Section)
		Comments
		Reason Codes
	Parts	Adjusted Amount
		Description of Part Charges
	Labor	Labor Adj Amount
		Description of Labor Charges
	Other Charges	Adjusted Amount
		Description of Other Charges

New Default Rules Requirement (3405)

New rules requirements are now allowed out of the box (OOTB). The system requires a reason code when the claim status is changed to **Need More Info** on a Supplier Claim, and **Corrections Needed** on a Dealer Claim. To change the status, users need to select the **Reason Code** type as **claim_CorrectionsNeeded**.

Technician Part Code Key Required on Supplier Claim, Outbound File (3407)

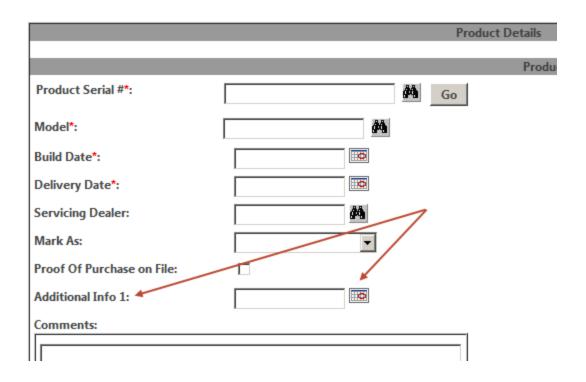
The **Technician Part Condition** description is now displayed on the Supplier Claim screens. The **Technician Part Condition** code is included in the Supplier Claim Inbound and Outbound service. To enable this feature, check **DisplayTechnicianPartCCSW** on the **CLM Application Default Data** page in **Service Hub**.

Failed Position Code Key Required on Supplier Claim, Outbound File (3409)

The **Failed Position** code is now displayed on the Supplier Claim screens. The **Failed Position** code is included in the Supplier Claim Inbound and Outbound service. To enable this feature, check **DisplayPositionCodeSW** on the **CLM Application Default Data** page in **Service Hub**.

Product Warranty Start Date (3410)

A new **Additional Info 1** field is available for specifying a product's warranty start date. The **Additional Info 1** field appears on the **Product Details** screen, and the start date is used as criteria when exporting product maintenance data.



Specify the warranty start date by either typing in the date using the format MM/dd/yyyy, or by selecting the date from the calendar MM/dd/yyyy.

The start date will be included when exporting XML and CSV files. Start dates can also be include in uploaded files. For details on upload formats, refer to the documentation available in the **Documents** area of the Product Maintenance Service **Summary Details** screen, available by choosing **Service Exchange > Service Manager**, selecting Product Maintenance Service, clicking **Go**, and then selecting a listed Product Maintenance Service.

Display the Additional Info 1 field on the Product Details screen by checking

DisplayAdditionalInfo1 on the CLM Application Default Data screen available by choosing

Service Hub > Admin Management > Admin Options > View CLM Application Default

Data.

Transaction Email Length Increased (3800)

On claim forms, the number of characters allowed for email addresses entered in the **Transaction Email** field has been increased from 30 characters to 100 characters.

Service Exchange

The following enhancements have been made to the Service Exchange module in this release.

RMA Service Create Operation (3219)

The Create operation has been added to the RMA Service when working with XML and CSV import and export layouts.

Refer to the following documents in the **Documents** area of the RMA Service **Service Summary Details** screen:

- RMAService_CSV.pdf
- RMAService_XML.pdf

To display the **Service Summary Details** screen, choose **Service Exchange > Service Manager**, select the RMA Service and click **Go**. Then, select a listed RMA Service.

Version 4.2 Resolved Issues

Key	Summary
WCM-853	Coverage Price Increase fields are not accepting negative values and validation rule is getting fired on Save Action as "PBNegativeValue: Negative value is not allowed."
WCM-1223	UI alignment is corrected in lite view. Parts, Labor and Other Charges Amount fields are now aligned.
WCM-1584	Date format is updated in (FileUtility) method, so that TimeStamp gets populated properly when we use the framework class (FileUtility) method.
WCM-2599	Rule ECE986 gets triggered for Other Charges Section (Lite View) in New Claims Screen, if Requested Amount is more than \$100. If user selects any value other than "None" from Supporting Documentation catalog and saves the claim, rule ECE986 disappears.
WCM-2802	Application error is not displayed in iParts Shipment entry screen.
WCM-2941	Time Stamp is correctly displayed in Work Queue History and Audit Trail screens.
WCM-3062	After RMA is escalated, the RMA is routed to the expected WQ and the details are updated correctly in Work Queue Search.
WCM-3130	Unused jobs in customer implementation projects can be disabled by disabling jobs/transformations from ETL's assets.
WCM-3136	Extract process is updating only the specific transaction associated to that Claim/Supplier to Pending status.
WCM-3148	Processor field is updated according to user actions and is applicable for all statuses.
WCM-3223	Accounting Transaction Status is updated properly in Cognos report after ETL process runs.
WCM-3230	Different validation rule messages are displaying in all the views.
	ECE984A: Expense Amount exceeds the amount allowed for this Campaign.
	ECE984B: Hauling Allowance Expense Amount exceeds the amount allowed for this Campaign.
WCM-3303	Component Code lookup is functional in escalation details screen.

WCM-3306	Rule for Corrective Action Note is being displayed if user does not enter detailed information in Work Performed Note section.
WCM-3346	Catalog data is being imported when catalog service file is uploaded.
WCM-3376	When the submitting location of a dealer claim has been updated, the Work Queue Search screen now properly displays the latest submitting location.
WCM-3414	Files are getting uploaded and log files are being generated.
WCM-3435	Authorization code is not getting blanked out for goodwill claim, in case user updates the request type value.
WCM-3437	Cause value is populating to blank if user selects a part code. On changing the part quantity value of second part line item, cause value of first part line item is not getting updated.
WCM-3454	When a product is registered from claims, the owner id is generated with the prefix CU.
WCM-3455	Files are getting uploaded and log files are being generated.
WCM-3488	Supplier claim Outbound files generated through Batch Job now contain Supplier Code information. Amount values are populated exactly as they are.
WCM-3683	Updated internal schemas to reflect the latest claim, product maintenance, and Major Component field changes.
WCM-3685	When importing catalog data using Service Exchange, catalog effective dates (such as Effective From, Effective To, and Termination Date) no longer default to the current date.
WCM-3686	The Claim Service documentation has been updated with correct positioning of the Work Accomplished Code and Root Cause Code fields in CSV and XML files.
	The PDF documentation is available in the Documents area of the Claim Service Summary Details screen, available by choosing Service Exchange > Service Manager , selecting Claim Service, clicking Go , and then selecting a listed Claim Service.
WCM-3715	Supplier claims that are in Denied status no longer are listed in work queues as having Draft status.