

Release Notes Summary

PipeChain 2019 R2



PipeChain 2019 R2

Release Date: 2019-11-20

Improvement of copying a Site -Terms of Delivery and Deviation limit is also copied.

When copying a Site, the following data are also copied:

1. Values of Terms of Delivery
2. Deviation limit values where SiteKey <> 0

Order detail display and order confirmation was not possible on databases in version SQL Server 2008 R2

A "too modern" SQL construct was used. It was replaced with an older one.

Subject will now show the correct supplier when sending deviation mails for outbound orders

The subject will now show the site id and site name instead of supplier id and supplier name when sending deviation mails for outbound orders.

New status Pending Approval (previously confirmed), CS05 InboundOrderResponses

The Pending Approval status has the flaw of not signaling if the line has (ever) been confirmed before or not. This new status will rectify this issue, as well as the problems with CS05 InboundOrderResponses transaction not being able to set the flag isReconfirm correctly.

"Total" data did not apply site- and partner filter correctly

This error occurs in the "Total" data area in screens Delivery Report and Performance Report when

- 1 - weekly data is selected
- 2 - for supplier users in the inbound screens or for customers in the outbound screens
- 3 - the user has access to more than one supplier/user

Data in "Lines" and "Graph" segments were not affected by this error.

Net Demand - Fixed a date parsing error

There was an error parsing the From and To dates when certain date formats were used (e.g. dd-mm-yy) in the Net Demand view. That error is now fixed.

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Rental Report views updated with new fields and functions. New Rental Product Price Sum view.

- Rental Report and History views have 5 new fields:
 - Receive Text: A text field where the user can enter any text. The text entered here will be carried over to the next report if a row with the same key values is found in that report.
 - Reception Username: When someone changes the Accept Status of a row, the user's email address will be input into this field. If Accept Status = Investigation, this field will also be carried over to the next report.
 - Price Adjusted: Does this row have a price that is unique to this row and shouldn't be compared to the price list?
 - Price Accepted: This will be set to true if the user accepts the unique price when Price Adjusted is set.
 - Insurance Percentage: Shows insurance value.
- Whenever the Accept Status of a row is changed, a log message will also be created that tells who did it and what it was changed to.
- Removed the "Invoice Rental Lines" button from the Rental Report view.
- Added Rental Item Description to the subject of deviation mails generated through the mail button.
- Rental Reports that are sent in to PipeChain must now follow the ReconciliationReport BEAst format.
- A new view Rental Product Price Sum has been added. It sums up the total prices, total price not invoiced, and total price not paid of rental items per Site/BizNodeId/Activity.

Adding new Supplier in Forecast Creator could remove all other suppliers from forecast

If first select a supplier in Supplier selector that is not included in the forecast, then it was possible to add this supplier to the forecast even if the Forecast Creator is not in edit-mode. This should not be possible. This caused that all product lines for all other suppliers were removed from forecast. This error has now been corrected.

The Web Client's Partner Selector sorted in a case sensitive way

This concerns the Supplier Selector for inbound usage, and the Customer Selector for outbound usage. Case sensitive sorting means that all upper case letters will be sorted before all lower case letters (e.g. AB before Aa). Now the sorting is case insensitive.

Interpret DeliveryQuantity as NotYetShippedQty for orderresponse transactions PW02 and CS02

The new attribute IsDeliveryQtyNotYetShipped (boolean) has been introduced, which specifies that the incoming quantity in PW02 / CS02 should be interpreted as NotYetShippedQty. Also added new logic for CS02, so if you have this new flag set to true, then CS02 takes sets the order line as fully delivered if NotYetShippedQty = 0. Please note that this logic is overridden if you send an explicit delivery status in CS02.

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New fields for Despatches and Waybills

4 new fields have been added to despatches and waybills and are now viewable:

- Vehicle Type
- Supplier Contact
- Customer Contact
- Despatch Report Date

The first 3 fields are updateable through sending in a PW03 transaction.

- VehicleType is a new valid attribute in the <DespatchHead> that will update the Vehicle Type.
- Supplier Contact is updated by the Name attribute in the <DespatchHead>/<Supplier>/<ContactPerson> element
- Customer Contact is updated by the Name attribute in the <DespatchHead>/<Customer>/<ContactPerson> element

Reception Sum screen has been complemented with month buttons

The Reception Sum screen has quickbuttons for the dates for today, tomorrow, current week, last week. It has been complemented with quickbuttons for current month and last month.

Receive Waybill list now has a more competent search

The speedsearch field has been replaced with a permanent advanced search line, searching on all previous fields, and also reception date and activity. Note that a search on activity will yield all lines where any of the other lines in the same despatch has this activity.

Mail for Confirmation Deviation did not contain any deviation information

Deviations are detected for [Quantity, Shipment Time, Receipt Time, Price, Discount], for deviations against previously confirmed as well as against demanded.

The deviation against Demanded Price was not visible because

- a - the demanded price was never displayed
- b - the yellow marking that denotes a deviating attribute was not applied for deviations against demanded data

Both errors were corrected.

Action on installation

Note that the file Mail.xsl also need to be updated.

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Mail for Despatch Deviation did not contain any deviation information

This error would often appear if Confirmation Deviations are used, but Despatch Deviations are not. The Confirmation Deviation Code was not retrieved correctly, and in the above case this could generate a Despatch Deviation for an attribute that is not even displayed in the email.

If Despatch Deviations are used, the error would instead appear as incorrect information in the Deviation Code attribute. However, this appears to be more rare.

The error was corrected.

New features in the Admin Tool Despatch Invoicer

- Despatches with Invoice Status "Paid" are no longer shown.
- New columns "Activity" and "Cost Account Id" have been added. They show the activity and cost account id of the lines inside the despatch. If the lines have different activities/cost account ids, one of them is shown with yellow background indicating that they are different.
- The waybill number is now clickable and will link to the referenced waybill in the Waybill view.
- An "Activity" selector has been added to the top left of the grid. It will filter the grid based on the selected activity and will show despatches that have lines with that activity.
- A new button for calculating costs has been added. This new button will open up a dialog with a grid that displays total costs per activity and cost account id on rows that were selected.
- The sort order of columns "Waybill No" and "Delivery Note Id" has been changed so that instead of sorting it 1, 11, 2, it will sort it 1, 2, 11.
- The invoice and pay buttons above the grid have new privilege requirements. The invoice button now requires business admin, and the pay button now requires site admin.

Goods Label in "Information" section of Customer Order

Goods Label is now displayed in the "Information" section of Customer Order

Better consistency checks when creating Web Users

We now require that both Partner Agreement and User Profile are present when a new Web User connection is established.

Also, the Databas Consistency Check background job issues warnings for Web Users without the mentioned relations.

Sometimes error when receiving a waybill

The user sometimes get an error message "This model isn't refreshed. All indexes are out of bounds" when trying to receive a waybill in view Receive Waybill. This error has now been corrected.

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User Management - Pickers for Profile honors Business Restriction

If a User is restricted to a Business, the Picker for Profiles will now only show unrestricted Profiles and Profiles restricted to that Business.

Match material supplier's despatch with transport supplier's despatch

New web view Match Transport and Delivery for matching material supplier's despatch with transport supplier's despatch.

PW03 Inbound Despatch Advice transaction handles multiple despatches

The PW03 InboundDespatchAdvice transaction has been renamed InboundDespatchAdvices transaction and can now handle multiple despatches in one message. The change is backwards compatible for previous versions, so you can still use the old transaction hierarchy. Please refer to the XML system specification and the corresponding XML schema.

Delivery Agreement Price Range tab in Java desktop client did not handle PriceZoneCode correctly

Delivery Agreement Detail Price Range tab now handles PriceZoneCode accordingly

Java Client / User Definition - Error when entering a business restricted default profile.

An error prevented entering of business restricted default profile. The error is now corrected.

Advanced search on date and time

Field length for date and time in Advanced Search has been increased, so that the entire text can be read without scrolling.

User Management - Pickers for Site honors Business Restriction

If a User is restricted to a Business, the Picker for Sites will now only show Sites in that Business.

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Repeated Order Line Split may become impossible

If the following occurs:

- 1 - an orderline is split (once or multiple times)
- 2 - the original line is shipped and received - thus no longer displayed in the Confirm dialog
- 3 - the line is split again

Then the Demand Quantities are computed incorrectly, and the last split will have much too low Demand Quantity (possible even a negative value).

In this case it cannot be split again since a split line's Delivery Quantity can never be larger than the Demand Quantity.

This correction stops new occurrences of this error. If you encounter an old occurrence, please contact PipeChain Support as there is a workaround.

Product Price Agreement: Inconsistency in red-marking missing price

USVProductPriceAgreement: price is red-marked if missing price, regardless of price zone code set or not.

A Deviation Code added at Confirm could be erased at Ship

If a Despatch was Created, then Shipped, Deviation Code would be overwritten with "No Deviation Code".

The error did not occur if a confirmed order was shipped directly (i.e. without "Create Despatch").

Web client / Edit View - New authorization rules for editing views

The "Edit View" system, for defining what grid columns to show, has new authorization rules. We now consider the User's Privilege in the screen as well as the Privilege in a Module (of the Profile).

The Module we consider depends on the User's Role:

- When Role is "Supplier" we consider the Privilege in the "Web Supplier" Module.
- When Role is "Customer" we consider the Privilege in the "Web Customer" Module.
- When Role is "Own" we consider the highest Privilege in the "Web Supplier", "Web Customer" or "Web Shop" Module.

- Creating a personal view (visible only to the creating User) requires the "Operative" Privilege in either the Module or the Screen.

- Creating a public view (visible to all Users) requires the "Site Administrator" Privilege in either the Module or the Screen.

- Creating a public view with the name "Default" (visible to all Users, and automatically selected for Users that haven't selected a view) requires the "Business Administrator" Privilege in the Module (Screen Privilege not considered).

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Order changes in Commission flow could fail with cause "null"

This error could occur both for Order transaction (PW40) and for manual change in PipeChain screens. It would occur if Inbound Delivery Agreement was absent, and the error message would read "Unexpected exception while executing Business Process class se.masystem.pipeline.bp.BPWebcustChangeOrderParams. Error cause is: null". The error was corrected.

Empty orders may occur, and they are never finished automatically

Empty orders may occur in rather small numbers (both VMI and TOM orders). Since these orders are not handled by the Finish Orders background job, they may become irritating.

Two changes were made:

- 1 - The Finish Orders background job now moves such orders to Finished
- 2 - The "information" log entry that is saved when a delivery is deleted now also logs the order identity.

Deviation mails sent for Waybills and Rental Reports are now saved in PipeChain

When clicking the "Mail to Supplier" button on a waybill or a rental line, a dialog will now appear where the user enters the mail info, along with a reason code.

Once done, the user's own personal mail application will open up with the respective fields already filled in.

The mail info will be stored in PipeChain and can be viewed in the new "Mail Conversation" view. However, further mails sent outside of PipeChain will not be stored.

New line after copy now marked

The new line existing after the copy or new operation was sometimes not marked. This issue has been resolved.

New Message functionality added

A new view called "Message Rooms" has been created. In this view, rooms can be created where users will be able to write messages to each other.

Also, added the ability to write messages on orders and deliveries. These messages will be viewable in their respective view, as well as in the Message Rooms view.

Screen Deviation Overview could fail with error message "null"

This would occur if a Buyer Contact had no email address (which is unlikely, but possible).

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CS05 SalesOrderId when confirming in Delivery Planner

There's been problem with the wrong SalesOrderId appearing in the OrderHead section of CS05 transactions after confirming in the Delivery Planner screen. The problem is now corrected.

Delivery Planner: New column summerize all remarks for the line

The Delivery planner has a new column, "Remarks", that displays the line's worst remark as a severity icon. The line's all remarks are listed in the tool tip.

New Selected Property to control sending of CS48 Inbound Despatch Advice

Selected Property 69 SEND_CS48_INBOUNDDESPATCHADVICE may be used to control if shipment triggers sending of CS48. Default true.

Web Client Reports: Pickers display data matching user's Supplier and Customer Selector

The Pickers (for Site, Supplier, Customer and so on) in the Report screens now only display data matching what's available the the general Site, Supplier and Costomer Selectors in the top of the browser window.

Inventory Chart (outbound) did not display some dates correctly

Occurred for Customer Bucket Inventory Chart for dates with a fully Open or Closed calendar when the customer had a timezone later than the user.

E g closed saturdays and sundays would be displayed with the friday and saturday dates, when a european user looked at an US customer.

Web Client, Inbound Delivery Planner - The 'Send Order' can be hidden with Selected Property 6004

If you don't want the 'Send Order' button in the Delivery Planner, you can remove it by setting Selected Property 6004 to the value false.

Header columns was out of sync when scrolling in a picker

Header columns was out of sync when scrolling in a picker. This error has nor been corrected

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Arrow up and down was not positioning correct in a picker

Arrow up and down was not positioning correct in a picker. This error has now been corrected

Upload product certificate in web portal

The functionality to upload certificates for specific products at orderlines is implemented, it includes:

- Certificates could be viewed in screens; All Orders, Order Detail, All Order Lines, Order Line Detail, All Finished Orders, Finished Order Detail, All Finished Order Lines
- The supplier can upload certificates at order line
- Uploaded certificates can be viewed and downloaded by customer
- Event could be configured for subscription of required certificates that are missing at reception control
- Mail notification at a new or updated order includes information about which orderlines that have a requirement of a product certificate
- The possibility to get reminder mail(s) about certificate(s) that are required by customer but are not uploaded by supplier yet. The following Selected properties could be configured:
 - [373] Define if the prerequisite certificate reminder should be used (true/false)
 - [374] Define number of days before shipment time before sending prerequisite certificate reminder
 - [375] Define if the prerequisite certificate reminder should be repeated (true/false)

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PipeChain 2019 R2 01

Release Date: 2019-11-29

PieChain Clien / Supplier Detail / Tot Outflow Multi - Date columns not continous

There was a problem with the date columns not being continous, and repeted already displayed dates. That problem is now fixed.

Order reciept with products price zone code 'Zone' could sometimes fetch incorrect price

Order reciept with products price zone code 'Zone' could sometimes fetch incorrect price. This was the case when having multiple rows with the same end zone, start zone was then ignored.

PieChain Clien / Supplier Detail / Tot Outflow Multi - 'Balance' and 'Last R Bal' columns not always shown

The Bamand Plan's 'Balance' and 'Last R Bal' columns were sometimes empty, depending on if both plans or just Demand Plan was shown. This proplem is now fixed.

Web Client, Inbound Delivery Planner - Purchase Order Suggestions no longer shown

The screen no longer shows Purchase Order Lines in status Suggestion.

Order printout, improved handling of line's delivery date

The web client screens have for a long time handled if the supplier displays/updates shipment dates or receipt dates.

This is configured on several levels (Site, Partner Agreement, Delivery Agreement, Order - the lowest level wins), and can be set either explicitly or "according to Terms Of Delivery".

The standard Order printout has sofar assumed receipt dates. Anything else would require a customization.

Now, the standard Order printout uses the same settings as the screens.

Either the caption will be "Shipment Time" and the Shipment Date will be displayed, or the caption will be "Receipt Time" and the Receipt Date will be displayed.

Error when moving transport in delivery planner.

Error when moving transport in delivery planner.

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Cannot access customer's reception calendar

This error only concerns "outbound" usage.

The error may probably show up in several use cases, but it was first noticed when the Background Job saves outbound deliveries.

The error was introduced in servicepack 00.12.00.

Analyzer Poll, when saving Deliveries, may fail if "case" in partner keys is inconsistent

Normally the PipeChain database works case INSENSITIVE. This means that

- it is not possible to create e.g. a supplier/customer with id "partner1" if there is already one defined as "PARTNER1" or "Partner1"
- if e.g. an order is received where the case differs from the definition, it is accepted anyway

This error occurred because the partner id case was different in a partner definition and in orders, because the algorithm referred these keys in a case SENSITIVE way. This was corrected.

PipeChain 2019 R2 02

Release Date: 2019-12-03

Efaktura Web Service RecordStatus fixed

The return message from the Efaktura Web Service will now correctly return RecordStatus "Not_Received" when the status of the invoice row is "Arrived" or "Issue Request".

Search in receive waybill list includes all lines with the same waybill

In 2019 R2, the change from a speedsearch field to fixed advanced search fields had the unintended byproduct of changing the logic from a search showing all rows with the same waybill no, to showing all rows with the same deliverynote id. This issue has now been fixed.

Transport created in Delivery Planner will not be targeted by delivery investigation

Transport created in the Delivery Planner will have a new type (Temporary). These transports will not be considered by the delivery investigation.

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PipeChain 2019 R2 03

Release Date: 2019-12-12

Finished order lines displayed in Customer Product / Duration Meter

Customer Product and Costumer Product Duration Meter no longer display finished Order Lines.

Columns missing in Customer Product/Customer Duration meter/All Customer order Lines

Column fields Initial Balance and Resulting Balance added.

PR80 Invoice Print Out transactions are not visible in Order Transactions

The error was corrected.

Java Web Start Client - Problem attempting to access xbean.jar during export to Excel

When the client was run via web start, and performed an export to Excel, it attempted to access a file (xbean.jar) that wasn't prepared for access by web start. This problem is now solved.

Add Certificate button was not always opening the "Add Certificate" dialog

Add Certificate button was not always opening the "Add Certificate" dialog. The dialog was just opened the first time.

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PipeChain 2019 R2 04

Release Date: 2020-02-04

Inventory Chart/Closing Inventory Per Day and Week: slow performance

Optimized performance of Inventory Chart/Closing Inventory Per Day and Week.

Log Message for activities that effect Site/Partner licenses

When a new Site or Partner is added, a message with info about remaining number of licenses is shown in the Message Log. In order to keep track of how many licenses a business has left, an event (on Message ID-s 120604 and 120605) could be created for subscription of Remaining number of licenses.

Delivery Agreement change not logged when changed from CS21 Flow Model

Delivery Agreement change is now logged when changed from CS21 Flow Model

Added Activity List and "Show Total Cost" button to Rental Report History

Added Activity List and "Show Total Cost" button to the toolbar of the Rental Report History view, just like in the Rental Report view.

Added more views to the list of startpages

More views has been added to the list of startpages that you can choose from when editing a user:

- Rental Reports
- Rental Report History
- Mail Conversation
- Reception Sum
- Cost Account Per Site
- Delivery Destination Planner
- Delivery Reception Lot
- Admin Tool Despatch Invoicer

Copy user with SSO login not correct

Copy user with SSO login now resets the login option for the new user.

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Orderline Split in CS02 OrderResponses transaction

Orderlines split with supplying IsRemainder and RemainderRowNo is now supported in outbound order response transaction as well. Please note that "CreateOrderLineWhenMissing" is a different case and should not be used to handle splitting of orderlines.

Analyzer: Improved handling of late reported deliveries

If a delivery reception is performed but not reported to PipeChain at the time when Analyzer Poll executes, the inventory attribute "Real Outflow" will be computed unaffected by this quantity. When the delivery is reported to PipeChain, it will affect another, later Real Outflow computation. As the Delivery quantity and the Real Outflow are the basis of forecast calculations (Delivery Forecast and VMI Forecast), this will most likely create a very low Forecast Accuracy in two different days.

Now, the late delivery

- 1 - is no longer used in the Real Outflow computation where it is "late"
- 2 - is detected and used to recompute the Analyzer Inventory and Forecast records where it should have been used (this affects history data and OLAP)
- 3 - is detected and used to recompute the corresponding KPI table records (this affects report screens and dashboard)

As these recomputations potentially may cause performance issues for Analyzer Poll, they can be disallowed.

The Selected Property 8050 can be set to 'None', 'New Only' or 'New and Updated'.

"None" disallows recomputation (2 and 3 above). This is the default value.

"New Only" will allow all late reported deliveries not previously known to Analyzer to cause recomputations. This is recommended setting if late reported deliveries may occur, but the impact on Analyzer Poll should be monitored.

"New and Updated" will also allow late reported deliveries already reported to Analyzer to cause recomputations. However, there are cases where all affected records cannot be identified and corrected.

Action on installation

The Selected Property 8050 (if set to 'New Only' or 'New and Updated') replaces Selected Property 8042.

MP03 Remindermail corrections

The following changes has been made:

- 1. The process configuration has been taken into account when determining if a remindermail should be sent or not. I.e. if shipping is not used, the reminder to ship the order is not sent, same thing for goods reception. If the orders are only used for monitoring, no reminders are sent.
- 2. Mail containing orders that are to be delivered to multiple addresses have sometimes been shown with a single delivery adress. This issue has now been adresssed.
- 3. MP03 logging in order/transaction tab has been erratic, sometimes MP03 not relevant to the order has been logged, sometimes MP03 relevant to the order has not been logged at all. This issue has now been adresssed.

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Multiple Despatches in InboundDespatchAdvice PW03 should all fail if a single despatch failes

Support for multiple despatches in the InboundDespatchAdvice PW03 exists as per the 2019 version. If any despatches in one InboundDespatchAdvice PW03 transaction throws an error that cause it to fail, all despatches contained in the transaction should fail. This does not always happen, but this issue is now addressed.

Grid alignment fixed in Net Demand view

Alignment of cells and header has been fixed again for the part with days/weeks/months in the grid in the Net Demand view

Additional functions added in Rental Report and History views

- 2 buttons have been added to both Rental Report and Histroy views. Clicking a button will bring up a dialog showing the sum of the total prices per Activity or per Cost Account.
- A dropdown list has been added to the Rental Report History view that can filter the report lines on "Deviations" or "Prices Different" the same way as in the Rental Report view.
- The Project Price and Ship Price columns in the Rental Report History view now also gets color marked using the same logic as in the Rental Report view.

Dialog appears when accepting price in the Rental Report view

In the Rental Report view, a dialog will now appear asking the user for confirmation when accepting a price.

Web Client / Inbound Delivery Planner - Changes for the 'Send Order' button

The Send Order button will send PW01 transaction for replenishment Deliveries that are not already sent.

Web SSO - support Azure AD Multi tenant authorization

Web Single Sign On now supports authorization for multiple AD tenants, so that both customer and suppliers may use the Web SSO feature through their own company Microsoft account. Requires Azure AD.

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Parameterize the validate function of invoice totals of the CS80 Invoices transaction

The function that validates invoice totals before accepting an incoming CS80 Invoices transaction is governed by the Selected Property 71, Check Invoice Totals. This function performs several checks, but the selected property has only a true/false value. The limit of the deviation is also fixed. To be able to select individual checks and set the limit, support for a querystring with all the checks have now been implemented.

Example of a querystring:

TotalAmountRowsExclTax=true&TotalAmountExclTax=false&TotalAmount=true&TotalFeeAmount=true
&DeviationLimit=0.05

All checks and parameters below:

- 1 "TotalAmount" InvoiceTotal.TotalAmount is checked if it differs to much from the rounded sum of all lines and fees.
- 2 "Roundoff" InvoiceTotal.Roundoff is checked if it differs to much from the calculated roundoff.
- 3 "TotalTaxAmount" InvoiceTotal.TotalTaxAmount is checked if it differs to much from the sum of tax of all lines and fees
- 4 "TotalFeeAmount" InvoiceTotal.TotalFeeAmount (includes fee on both line and head) is checked if it differs too much
- 5 "TotalAmountRowsExclTax" InvoiceTotal.TotalAmountRowsExclTax (includes fee on lines) is checked if it differs too much
- 6 "TotalAmountExclTax" InvoiceTotal.TotalAmountExclTax lines and fees is checked if it differs too much
- 7 "TaxTotal.TaxAmountInAccountCurrency"
InvoiceTotal.TaxTotal.TaxAmountInAccountCurrency per tax rate is checked if it differs to much
- 8 "TaxTotal.TaxAmount" InvoiceTotal.TaxTotal.TaxAmount per tax rate is checked if it differs too much
- 9 "TotalTaxAmount_TaxTotals" InvoiceTotal.TotalTaxAmount is checked if it differs to much from the sum of each TaxTotals per tax rate
- * "DeviationLimit" Specifies the check limit for all listed checks. Decimal value with "." as delimiter

A simple boolean of "true" will enable all checks with fixed value 0.01, not affected by DeviationLimit. A value false will disable all checks. Please note that all checks not mentioned are disabled unless the setting is the simple "true".

Cancel Despatch when orderlines are finished does not update finshed orderlines

An order who is partly shipped could have the fully shipped orderlines transfered to finished by the night job without the orderlines beeing received, during specific certain configurations. Cancelling the despatch, however, does not update the orderlines that are finished and not partly or fully received - they are still fully shipped and finished, and cannot be shipped again even though the despatch as been successfully cancelled. This issue has now been adresssed.

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Added new attribute to outgoing PW11 transaction

The ConsignmentHead of the ConsignmentReceivingResponse (PW11) transaction now has a new optional attribute named "Remarks".

When sending a deviation mail for a waybill, the PW11 that also gets sent will have the "Remarks" attribute with the conversation id and mail text as value.

When receiving a waybill, if there has been a deviation mail for the waybill, the PW11 that gets sent will have the "Remarks" attribute with the conversation id and mail text as value.

Externally Invoiced button in Despatch view - control right with a Selected Property

Externally Invoiced button in Despatch view -

a new Selected Property (1571) is added to control which privilege is needed to get the right to use the button (1569 controls if the button is visible or not as before)

MessageLog: Improve error message for MACom Transaction Error to enable event keyword filter

MACom Transaction Processing Error messages now contain Supplier, Customer and Site so that the Event keyword filter is more efficient. This change applies to CS80 Invoice, PW02 Inbound Order Response and PW03 Inbound Despatch Advice.

Set End Customer Invoiced in Despatch view - control visibility with a Selected Property and only available for Own users

Set End Customer Invoiced in Despatch view - two changes:

- a new Selected Property is added to control visibility

- should only be available for Own users, that is fixed now

Not possible to filter on Purchase Order Id in Delivery Report screens

The error was found for screen Inbound Delivery Report in the PipeChain Client, and was corrected there. The error did not occur in the Web Client.

Fixed empty orders being created from locked suggestions

Empty orders will no longer be created when a suggestion in the delivery planner is locked and Delivery Suggestion Generation strategy is set to "No Link to Order System" or "Manual Sending".

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Order Notification (MP01) were not created

This error affects revisions built after 2020-01-10 but before 2020-01-28. It is corrected in later revisions.

PipeChain 2019 R2 05

Release Date: 2020-02-06

Outbound order confirmation transaction (CS02) did not handle deviations against demand parameters

The corresponding inbound transaction (PW02) has handled both "previous" and "original" values for quite some time. Now CS02 has the same functionality.

There was also an error in retrieving "previous price", which was corrected.

Empty rows in screen Inbound Delivery Overview

Empty rows would appear where the Delivery Agreement contained a positive Production Leadtime. The error was corrected.

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PipeChain 2019 R2 06

Release Date: 2020-03-17

Auto-create Incoterms 2020 at server start there is no TermsOfDeliveryCodes

If there are no Terms of Delivery Codes at all for a site, the server will populate the table with Incoterms 2010. Please note that FCA (Free CArrier) is default (Delivery Responsibility=Supplier, Time Working With = Reception Time).

Bad error message when order or supplier is missing in PW02 and PW03 transactions

The transactions PW02 InboundOrderResponses and PW03 InboundDespatchAdvices have logic that allows you to find the partner agreement through the order. There is a prevalence of situation when the order is missing, finished or insufficient data is supplied and the error shown to the user is that there is no partner agreement. Also, the same error message could be shown when the supplier cannot be found with the data supplied. Both these issues has now been rectified.

Support for split lines in outbound PW03 DespatchAdvices and PW03 Invoices transactions

Support for specifying split orderlines are not present in the outbound CS03 DespatchAdvices transaction. The same goes for the outbound CS80 Invoices transaction. In this service pack, support is added for specifying split lines for both theese transaction. Also improved the invoice handling further for outbound in the case of a normal invoice (as different from self-billing and credit note), with better lookup and status update.

Percentage in incoming CS80 Invoices transaction not propagated to outgoing CS80

The InvoiceRow.percentage attribute in incoming CS80 Invoices transaction not propagated to the outgoing CS80, instead the confirmed percentage from the order replaces this value. This problem applies both to inbound and outbound transactions.

The error has now been corrected. Please note that any RowInvoicFee discount overrides the percentage specified on InvoiceRow element.

Date problems in Inventory Chart

Some date formats, like dd-MM-yy HH:mm are not supported in the Inventory Chart screen on the web. The screen can stop working, or show errounous data as a result. These issues has now been addressed.

Release Notes Summary

PipeChain 2019 R2



Added possibility to customize logo file and logo link in mails

Added possibility to customize logo file and logo link in mails. Before this change you had to override the whole Xml_To_Html.xsl file. Now you only need to set two new properties logo.url and logo.visit.url. In the Xml_To_Html.properties file

Transaction loop on PW51 OutboundDeliverySchedules transaction

Due to an error, the PW51 OutboundDeliverySchedules can fail into a transaction loop, when the transaction performs goods reception on deliveries that exist in the database but is not present as a demand in the transaction. This issue has now been rectified.

Error in EDI Filter, Order Reference parts

The Order Reference part of the EDI Filter aims to provide better performance than general text search for some frequent filter cases, namely [Partner Id, Order Id, Delivery Note Id, Invoice No]. In some cases, these filter conditions would yield a (sometimes very large) number of identical rows, due to an incorrect "join".

Taxes per Site and Business level when creating Invoices

Taxes are normally defined per supplier. The option to enter different taxes for different sites (and businesses) does exist, but the support is lacking in the Create Invoice screen, who shows all taxes for the supplier, regardless of site.

This issue has now been addressed, and the respective site taxes are listed along with the default taxes (sitekey=0), but taxes belonging to another site is not. Any Default taxes are listed first, then the site-specific taxes and then the default taxes. (The default taxes are in the same mutual order).

Screen Supplier Detail Inbound Deliveries does not show correct qty for forecast

The screen Inbound Deliveries in Supplier Detail shows those deliveries that are confirmed or is of the type purchaseorder. There is only one quantity field, "Quantity", which displays the delivery quantity. This is problematic when displaying forecast lines, as the delivery quantity never change until its not a forecast line anymore.

The logic has now been changed so that the field "Quantity" shows the delivery quantity when the delivery has been confirmed, and the demand quantity when it has not.

Release Notes Summary

PipeChain 2019 R2



Forecast Date in Net Demand screen

A new column is available in the Net Demand screen, Forecast Date. Just as in the Forecast Period screen, Forecast Date is blanked out if you have all sites selected, ie you dont group per site. Likewise, as each line is potentiall an aggregation of several deliveries that could have different Forecast Dates, the Forecast Date displayed is always the latest date found..

Outgoing MCom Transaction file names may now contain macros

In a File/FTP channel, when setting the remote output directory, the file name may now contain macros.

<D> will be replaced with the current date.

<T> will be replaced with the current time.

<TT> will be replaced with the transaction type.

<S> will be replaced with the site id if there is one. Otherwise, it will just be removed instead.

<P> will be replaced with the partner if there is one. Otherwise, it will just be removed instead.

<PA> will be replaced with the partner address id if there is one. Otherwise, it will just be removed instead.

As before, * will be replaced with a file count.

Deleting an order line did not update the status of the order head

In the PipeChain client (Java client) it is possible to delete an order line (as opposed to cancelling it). In this case, the order head status was not recomputed.

CS02 Outbound Order Response - when missing order line is created, PW40 attribute IsProductDefined is overridden by default value

CS02 Outbound Order Response now sets IsProductDefined accordingly when a missing order line is created.

Outbound Ship Delivery CS03 - Null error when IsProductDefined attribute set but Product is not defined

OutBound Ship Delivery CS03 - An undefined (TOM) product no longer causes null error.

Release Notes Summary

PipeChain 2019 R2



Transaction Overview Filter - prevent the user from performing search that stalls the servers

Transaction Overview Filter - user is now prevented from performing a too broad search on

Transaction Data free text field:

- User must also filter on any of the index fields: Trans Number, Trans State, Channel Id och Registration Time.
- If the search scope is still too wide (>1000 rows) the user must narrow it further.

CS43 Partner Definition - Null error when processing transaction

Corrected a bug that got introduced in 2019 R2 and slipped through release tests.

Release Notes Summary

PipeChain 2019 R2



PipeChain 2019 R2 07

Release Date: 2020-03-25

Finish Orders background job now finishes received orders without needing Selected Property 360

The background job Finish Orders will now set received orders to finished without needing Selected Property 360 set to true.

Web Client - Link from "VMI Schedules to Reconsider" in the Monitor Supplier view

If you have a single supplier selected and the Monitor Supplier view is set to "Aggregate Supplier", a click on the "VMI Schedules to Reconsider" indicators will link you to the Delivery Planner view. The Delivery Planner will then have a preset search for VMI only and statuses in the range Confirmed - Partially Shipped.

Web Client - Tool tip with calendar on dates

We've had problems displaying the calendar sheet tool tip on dates. The problem is now solved.

Sometimes, Outbound Deliveries cannot be shown in web screen Customer Product Overview or screen Outbound Order Detail

Klicking the "down-arrow" in web screen Customer Product Overview may work in most cases and fail in some. The same when entering web screen Outbound Order Detail.

When failing, the error text "Failed to open a database cursor" is shown at the top, and the error text "Adding a value to a 'datetime' column caused an overflow" appears further down. The error occurred if the attribute "Suggestion Horizon" was large, due to an erroneous SQL construct. The error was corrected.

Release Notes Summary

PipeChain 2019 R2



PipeChain 2019 R2 08

Release Date: 2020-03-30

Date with AM/PM format are always shown as a date with time

Date of the time format of AM/PM, and the specific time of 12:00 AM (midnight) is always shown with the time part, even though selected property 111 is set to suppress the time part. This issue has now been addressed.

Confirmed and Demand price in outgoing CS80 Invoices transaction

There is a demand from the recipient of the outgoing CS80 Inbound Invoice transaction to see if the invoiced price (InvoiceLine.Price) differs from the confirmed and originally demanded. That is why these to prices has been added to the transaction (InvoiceLine.ConfirmedPrice and .DmdPrice).

Supplier - update notification email addresses was not working

Supplier - update notification email addresses is now working.

Delivery Precision (FC) used erroneous data

Delivery Precision (FC) should compare "First Confirmed" data with "Actual" data. Unfortunately, inbound deliveries has two very similar columns "OrigConfQty" and "ConfirmedQty" which are used interchangeably, both occur before "ConfirmedQty2" which is a badly formed named for the last confirmed quantity. The error was corrected.

Add own duration and balance to the customer product screen

Added own product node duration and balance to the customer product screen

Long time for action in detail views

It took unexpectedly long time to perform action in detail view. This was the case for instance when confirming order in Inbound Order view. This issue has now been solved.

Release Notes Summary

PipeChain 2019 R2



Error in Web screen Performance/Delivery Graphs

If you "Group By" Supplier/Customer Id, you expect to see it in the table. The error was corrected.

PipeChain 2019 R2 09

Release Date: 2020-04-02

Delivery Planner no longer shows shipped lines

The Delivery Planner will no longer show shipped lines - feature reinstated

Supplier Monitor Overview - Despatches To Invoices sorting on Order Id resulting in error

Supplier Monitor Overview - Despatches to Invoices is now possible to sort on Order Id without error

CS44 New Partner Agreement failed when inserting webuser in the same transaction

CS44 Partner Agreement can now handle insert of new web users in the same transaction as the new partner agreement

Release Notes Summary

PipeChain 2019 R2



PipeChain 2019 R2 10

Release Date: 2020-04-07

Screen Delivery Report allows filtering on both Purchase Order Id and Sales Order Id

Inbound case: A Supplier user would prefer to work with "his" order id, i.e. Sales Order Id.

Outbound case: An Own (i.e. site) user would prefer to work with "his" order id, i.e. Sales Order Id.

Previously, only Purchase Order Id allowed filtering and grouping.

LoadPlanner - wrong receipt time on weekly transport

LoadPlanner - receipt time on weekly transport is no longer overwritten by other transport record

Loadplanner: Miscalculates quantity when createing a new shipment line

The input value "Delivery Units" is now multiplied with the Delivery Unit factor, instead of (erroneously) the Multiple Unit factor.

SSO - added extra security measure to prevent attempts to log on using password

SSO - any attempt to log on using password when the user account is configured to only log on by SSO is handled the same way as wrong password.

Release Notes Summary

PipeChain 2019 R2



PipeChain 2019 R2 11

Release Date: 2020-04-22

Information missing in detail views

Due to caching data from the overview, the data in the detail view are in some instances missing. This happens most often in Order Detail. This issue has now been resolved.

Order Status for orders is now updated correctly when pending approval is enabled

When pending approval status is enabled, order status for orders is now updated correctly when sending in a PW02 transaction.

CS02 will now properly link order lines with orders

When sending in a CS02 transaction that has CreateOrderLineIfMissing = true, created order lines will now properly be linked to the order.

Fixed PW02 error messages showing wrong values

Error messages caused by Supplier Product Id not matching in the transaction and PipeChain will now show the correct product ids.

Finished Inbound Order Screen will no longer freeze when scrolling order lines. Added sorting on Sales Order Line column.

In the java client, the Finished Inbound Order Screen will no longer freeze when scrolling order lines. Sorting has also been added on the Sales Order Line column.

DEV7004 - Show Outbound Notes i PipeChain klienten

Previously notes have been only been shown on inbound screens. There is a need to use this functionality on outbound screens too.

The screens Outbound Delivery Suggestion Overview/Detail, Outbound Delivery Overview/Detail and Shipment Detail (LoadPlanner) has now shows editable notes. Only public notes within the specified dates are shown.

Please observe the notes are unique per delivery agreement, not delivery.

Release Notes Summary

PipeChain 2019 R2



Message Log when reading an invoice from supplier is now improved to show more accurate error messages (when invoice was stopped)

Message Log when reading an invoice from supplier is now improved to show more accurate error messages (when invoice was stopped due to an error)

Delivery Sub Type Label customizable name

Delivery Sub Type Label, also known as SubOrderTypeLabel or Order Subtype is handled by PipeChain upon reception in the form of a code. When displaying in the web interface, the printout or the notifications mail, this code is shown. It means little sense to the user. It should display the actual order subtype instead. This issue has now been addressed by using the name set up in property value 1010 "DeliverySubTypeLabel", instead of the corresponding code (label).

Product Definition Transaction CS08: Product Family attribute Is Unique was not processed correctly

Product Definition Transaction CS08: Product Family attribute Is Unique is now processed accordingly.

Release Notes Summary

PipeChain 2019 R2



PipeChain 2019 R2 12

Release Date: 2020-04-29

CS80 Outbound Invoice - invoices containing invoice lines not matching any order lines were stopped

CS80 Outbound Invoice - invoices containing invoice lines not matching any order lines are again processed.

Error in Web screen Performance/Delivery Graphs

It was no longer possible to choose "Day" data, only "Week" was available. The error was corrected.

Product Price Agreement: Delete did not fully remove references to product

Deleting a Product Price Agreement record now fully removes any references to a product in the system, if the same product is not referenced by another partner for the same project. If so, the product reference remains in the system but only in connection to the other Product Price Agreement/Delivery Agreement.

USVRentalReport USVRentalReportHistory: End of time default value displayed in table

Default value for "End of time" is now displayed as empty.

USVRentalReport: Privileges for actions were not correct

Privilege OPERATIVE is now required for actions in USVRentalReport.

Release Notes Summary

PipeChain 2019 R2



PipeChain 2019 R2 13

Release Date: 2020-05-27

Desktop client / Stock Workbench - color markings for availability columns

The color marking for column 'Available Balance' and 'Available Balance Incl Suggestions' in Stock Workbench were not correct.

These columns, as well as 'Relative Availability' and 'Relative Availability Incl Suggestions' did not react properly to the setting of "Strategy for Adjusting Balance due to Deliveries" in screen Own Site. This is now corrected.

Calculate Ship Time from Reception Time did not match calculation of Reception Time from Ship Time.

Calculation of Ship Time with Reception Time as starting point now uses the same algorithm as calculation of Reception Time with Ship Time as starting point.

Background job Notification Mail Sender: Null Pointer error

Null Pointer error fixed in ReminderMailPerSite run from Background job MailNotificationSender.

New fields in invoice screens

Tax Amount is added on rows in the Invoice, Create Invoice views, and Invoice Fee sub-view. Also added a "Tax Total" field in Create Invoice. This field will have the co-field show the name of the tax, providing there is one, and only one tax used on the invoice (The printout lists all taxes).

Made the printout fields round the same way they do invoice view (some fields did round to 6 decimals in printout, but 2 in the view).

Also added the condition that Tax Name is mandatory when working in the Taxes view.

Supplier Group - check for "Unique members only" caused incorrect failure.

Editing supplier with membership in a Supplier Group with "Unique members only" no longer triggers faulty error.

Release Notes Summary

PipeChain 2019 R2



Transportunit labels marked with continuous numbering

The optional numbering on TransportUnitLabels reflected the number within the despatch line. This functionality has now been changed to a continuous numbering within the despatch.

Delivery Planner - Buttons at the top now gets colored based on the worst remark between lines in the transport

The buttons at the top of the delivery planner that shows transport per date will now be colored based on the worst remark between all lines in that transport.

DEV7027 Order and TransportUnit different printout per Order SubType

Order Subtype, also known as deliverysubtypelabel, can now be used to specify what order and transportunit printout that are available. Setting up property values with propertyvaluecategory 223 and 226 respectively, with Label corresponding to deliverysubtypelabel, Name to the desired display name, and Setting to the filename or the report file, will activate this functionality. If a label versus deliverysubtypelabel match cannot be found, the system will default to the default file (StdTransportLabel.xml) or language variants of that file.

If several property values are specified for one deliverysubtypelabel, a selection will be available for the user in the detail view of order and despatch respectively. The selections are presented in the same order as in the Property Value view. Note that the overview screen cannot handle multiple choices of printouts, instead the first available selection is printed. The same goes for automatic printout.

The attribute Latest Shipment was not set at web reconfirm, which could cause problems for PipeChain Analyzer

If the shipping date was changed at a reconfirm, and no despatch was received, then the first confirmed shipping date would be stored as the (best guess for) actual shipping date.

If the delivery uses Delivery Responsibility = Until Shipment, this date would then be saved as the delivery's Dimension Date in PipeChain Analyzer.

The error was corrected.

Erroneous historical data can be corrected fairly easy, down to the Finished Deliveries' HistoryLifetime limit. If you require this, contact PipeChain support.

MACom Transaction Process Error and Warning: Improve message

MACom Transaction Process Error and Warning messages for Purchase Order and Inbound Despatch Advice are now improved with more information about the object and the error cause.

Release Notes Summary

PipeChain 2019 R2



Outbound Web screens did not handle screen privileges correctly

For instance, a screen privilege set to "Not Authorized" did not prevent from viewing the screen. The error was corrected,

Delete Site not working

Additional safety checks upon user profile deletion has made the Delete site functionality become slow and prone to failure. As the delete site operation takes a fair length of time already, the user profile handling has now been moved to a background process and will not bother the operator any more.

Also added a safety check in the interface so you cannot delete a site that contains the last serveradmin user.

PipeChain 2019 R2 14

Release Date: 2020-06-04

PipeChain 2019 R2 15

Release Date: 2020-06-08

Outbound Order Lines : Error message when displaying End Customer information

Outbound Order Lines Overview web view can now display, sort and order on End Customer Information without error.

PipeChain 2019 R2 16

Release Date: 2020-06-10

Web screen "All Customer Orders" now display Delivery Note Id information

Also affects screen "All Finished Customer Orders".

If there is only one DeliveryNoteId, it is displayed.

If there are two, both are displayed (comma separated).

If there are more than two, the smallest and largest are displayed (" .. " separated). A tooltip will then show ALL DeliveryNoteIds, ordered alphabetically.

Release Notes Summary

PipeChain 2019 R2



PipeChain 2019 R2 17

Release Date: 2020-06-10

Added remote output file tags for purchase order and invoice number

There are a few Remote Out File Path Tags that you can use to get information out of a transaction and into the generated file name for a transaction sender. The lead text is:

"Remote Out File Path Tags: <D> = Date, <T> = Time, <TT> = Transaction Type, <S> = Site Id, <P> = Partner Id, <PA> = Partner Address Id, * = File Number"

In PipeChain version 2020 a few other tags were added:

"Conditional Tags (where supported): <PO> = Purchase Order Number, <IN> = Invoice Number") In order to reduce time when writing transaction files, these conditional tags for all transactions are only supported by the transactions where they are of probable use.

Supported transactions for <PO> are: PW01, CS01, CS41, CS42, PW05, CS05, CS65, CS66.

Supported transactions for <IN> are: CS80, PR80.

Release Notes Summary

PipeChain 2019 R2



PipeChain 2019 R2 18

Release Date: 2020-06-23

Create Invoice compliance with printout + Tax Amount on invoicerow Fee not updated

Made the invoice row in create invoice compliant with the printout and the invoice view. This means that the invoicerow Amount will include the discount and the fees. The invoicerow Tax Amount will include Tax on the invoicerow itself + tax on the fees.

Also, fixed an issue where Tax Amount on Invoicerow Fee was never updated when creating the invoice.

Web Dashboard, Supplier/Customer Stock graphs always showed supplier (own) values

The error was corrected. The error did not affect the PipeChain Client.

User Management bug fixes

A number of bugs in the web client's User Management were fixed.

The sub views "Supplier - Site Connection" and "Customer - Site Connection" (i.e. the ones with checkbox matrix) are no longer available.

Added remote output file tags functionality for ftp channels

Remote output file tags was previously only available on file channels. It's now also available on ftp channels.

Web Dashboard Sitepicker enabled, reduced graph size and changed saving of settings be site-independent

Fixed the following issues:

Site- and Partner filter was disabled in the dashboard view, so you could not select site or partner.

Also corrected a faulty naming, where the Supplier Product dashview was erroneously named "Customer Product". This issue has now been corrected. (In websupplinkbundle, also for Supplier Product Duration Meter)

The graphs shown in the dashview bricks was slightly higher than the dashview itself, which forced the users to scroll vertically to see the entire graph. Reduced the graph size with 1/6th and removed vertical scrollbar. (forcefully. via css in temporary_test.css)

Furthermore, the settings for saving was changed so that dashboard settings are no longer saved per site, same settings are now used for all sites.

Release Notes Summary

PipeChain 2019 R2



Selected Properties 1573 and 1574 have been added to control lines in Receive Order dialog on an Outbound Order

Added Selected Property 1573 and 1574. In the Receive Order dialog on an Outbound Order, selected property 1573 controls whether all lines are marked by default or not. In the same dialog, selected property 1574 controls whether confirmed order lines are markable or not when Expect Despatch Advice is active.

Added check for orders and logging in PW03 InboundDespatchAdvices transaction

Added logging on the order, if you now search with orderids. If you search without orderids you can no longer get a logging connection to an order from a non-existing individual, there is no data for that.

Also added control for the order, it happens at some place earlier, but it is not logged.

If you cannot find any order at all you get:

MACom transaction processing error: Transaction number 2014519 could not be processed. Despatch Advice stopped. Delivery Note 'DAD200002445' was stopped because no unshipped Order Line has Purchase Order Id '569962' Line '10'. No order or finished order could be found with Purchase Order Id '569962'. The despatch advice was sent from supplier '9003029' to customer 'Hydroscand' at site 'SE1'. Product '424412128127'

Web Finished Outbound Orderlines - error when sorting on ReplenOrderId

Fixed database cursor error in UVFinishedOutDeliv

Improve Beast transaction error handling and support

Improve support and error handling of common errors in Beast transactions.

- Expand ZZ01 transaction to parse element Message id to connect to Message log item created by Beast connector.

- Expand ZZ01 transaction to parse element(s) with common error code (description) and store it in Additional Information Info1.

- Add column "Additional Information" to Transaction overview that - only for ZZ01 - displays the error code.

DEV6358 - Improve MACom Process Error messages with more information about the object.

Display more information about partners and objects in the MACom processing error messages.

Release Notes Summary

PipeChain 2019 R2



PipeChain 2019 R2 19

Release Date: 2020-06-26

Web Client - Monitor Supplier

When you click the 'VMI Schedules to Reconsider' indicators in the 'Monitor Supplier' view, you'll now always be taken to the 'Delivery Planner' view.

Confirm Order with change request does not copy new demand correctly

Confirm order with change request now copies new demand accordingly.

Setting "Automatic Sending and Change" did not generate transactions (PW01) for changes

Transactions (PW01) were generated for new locked deliveries (i.e. within Frozen Horizon).
"Automatic Sending and Change" allows confirmed deliveries to be changed. Now such changes also generate transactions (PW01).

Confirm Order with changes does not update the order line according to new demands

Confirm order with changes now copies new demands accordingly

Release Notes Summary

PipeChain 2019 R2



PipeChain 2019 R2 20

Release Date: 2020-07-06

USVSiteActivity: Not possible to create "New" more than once without refreshing view

USVSiteActivity now handles its newly created Activities correctly without having to manually refresh page. The "N" symbol marks the new Activities in view until page is refreshed/revisited.

Java Client: Outbound Delivery Suggestion Overview - sorting on Product Name not working

Java Desktop Client:

Now possible to sort on Product Name in Outbound Delivery Suggestion Overview and Outbound Delivery Overview

Disable split for VMI orders

Order line for Vendor Managed Inventory orders should never be enabled to split, but the option exists. This issue has now been addressed.

Release Notes Summary

PipeChain 2019 R2



PipeChain 2019 R2 21

Release Date: 2020-08-20

Screen Own Inflow doesn't handle Inventory Chart

Inventory Chart could be selected, but there were never any content. The error was corrected.

Analyzer Poll could get Transaction Conflict when handling product dimension from delivery data

Strange error messages could occur in the log file when handling product dimension from delivery data. In the database it would show that tables DimProduct and DimPartnerProduct was updated far more often than expected.

The error was corrected.

DEV7027 Order and TransportUnit different printout per Order SubType

Fixed the following issues;

1) TransportUnitLabel default printout not working - if no printout it setup in the PropertyValue screen for propertyvaluecategory 226, the default printout you get does not refer the file name that is expected, which cause the default printout to fail. Now defaulting correctly to (StdTransportLabel.xsl and locale-based variants of this).

2) Order Subtype, also known as deliverysubtypelabel, can be used to specify what order and transportunit printout that are available. In case of a joined despatch from more than one order, and the orders have different deliverysubtypelabels, there has been problems getting the correct printout. This has now been remedied, and the printout now uses the delivery sub type for the first order found in the despatch, by decending OrderId, ordering.

3) A blank deliverysubtype label are now also valid label for setup in the PropertyValue screen. If the deliverysubtype is blank, or if the deliverysubtype does not exist in the Property Values propertyvaluecategory 226 setup, the entry with a blank label is use as default in this case.

DmdPrice, contractPrice, confirmedPrice in PR80 transaction and report

Added DmdPrice, contractPrice, confirmedPrice to the InvoicePrintout PR80 transaction and report.

Release Notes Summary

PipeChain 2019 R2



PipeChain 2019 R2 22

Release Date: 2020-08-21

Customer Definition client screen: error when filtering on customer

Customer Definition screen in Java Client is now possible to filter on customer

Action on installation

SQL script J:\Customers\Active Customers\Mölnlycke Health Care\PipeChain version upgrades\Uppgradering till 2019 R2\Script\update_collation_mhc_CustDef_CustProdDef.sql

PipeChain 2019 R2 23

Release Date: 2020-08-26

Shipment transaction (PW03) could fail with a "class cast exception"

If Selected Property 1080 was not set, a class cast exception would occur. A workaround is to set Selected Property 1080 to "false".

"Create Invoice" could fail with message "Transaction Conflict on Delete"

If a Delivery Agreement was present, and the attribute UseConsignStock was set, this would occur. The error was corrected.

Workaround: Temporarily clear the attribute, then invoice, then set the attribute again.

PipeChain 2019 R2 24

Release Date: 2020-09-08

Setting of maximum number of characters permitted in the invoice number

Using the new selected property 242 "Maximum allowed number of characters in Invoice Number" you can now set the of maximum number of characters permitted in the invoice number. The setting is applied both for integrated and web suppliers.

Release Notes Summary

PipeChain 2019 R2



PipeChain 2019 R2 25

Release Date: 2020-09-15

Screen "Orders Pending Approval" did not show all orders pending approval

Only orders in status "Pending Approval" were shown, but orders in later statuses, e.g. Partially Received, were not.

This logic was replaced with "does the order have any order line in status Pending Approval or Pending Approval (Previously Confirmed)":

Workaround: ReplenOrderStatus can be set to 48 directly in the database (by PipeChain Support).

Partner Agreement Transaction (CS44) would fail if updating and attribute ContactUserId was missing

The transaction would handle absent ContactUserId at INSERT but not at UPDATE. The error was corrected.

PipeChain 2019 R2 26

Release Date: 2020-09-17

Confirm of orders in past time

Allow web confirmation of orders in past time has not previously been possible - the user has been forced to change the shipment and reception time to no later than today's date. There has been a problem since version 2017 where the issue is when the order shipment and reception times are in the past time, but the user is not allowed to change the order's dates (according to the setting of Selected Properties 400-401). This issue has now been remedied, and confirmation is now possible.

However, the overdue order will then receive the current date as shipment date. Sometimes this is not desirable, and you want to be able to send the order confirmation as-is. Here Selected Property 29 "Allow web confirmation of orders in past time when time is not editable. Default false", comes into play. Enables this functionality of confirming overdue orders-as is by setting it to true.

Note that the property only comes into effect if there is no possibility of changing the order/line's date: i.e. Sel Prop 400/401 = 0. If the user is able to change the date, this property has no effect. Please note that confirmation in past time is allowed by transaction PW02 InboundOrderResponse regardless of the setting of this property.

Release Notes Summary

PipeChain 2019 R2



PipeChain 2019 R2 27

Release Date: 2020-10-07

New outbound view has been added where the user can receive order lines.

New outbound view called has been added where order lines that can be received are displayed. The user can mark lines and enter the quantity they want to receive for each line, and then use the Receive Lines button at the top to receive all marked lines.

Excel export shows missing dates as 1970-01-01

Exporting a pipechain grid into excel generates an excel sheet where missing dates are expressed as "1970-01-01" (or correspondent value of your date format). In the web portal, missing dates are shown as blank.

Changed the excel export so that missing dates are displayed as in the web portal.

Updating Super Users' Profiles after inserting new Site

There's been problems updating all relevant Supre Users' Site-Profiles when adding new Sites. The problem is now corrected, so that adding new Sites will update the Supre Users correctly.

A workaround to create missing Site-Profiles is to update any Site.

null-pointer error when trying to show web screen Own Site

This would happen if the screen would show one ore more sites with an erroneous mailaddress syntax (e g with no @).

The error was corrected.

View more than one forecast date (forecast plan) per day in Forecast History view

The Forecast History view shows the selection of forecast by date, which usually is the case, as normally the flow is that you only send one forecast per day. If there is a second (third, etc) forecast, it is a correction of that first forecast. However, some clients uses the flow where they send mulitple unique forecasts per day. In that case, only the latest forecast is displayed in the selector, wich is less than optimal.

To adress this issue, the new Selected Property 7017 View more than one forecast date (forecast plan) per day in Forecast History has been created. False is the default, as normally you only want to see the latest forecast for that date. True will show all the forecasts, which may or may not be multiple forecasts on one single date. However, for performance reason, only a maximum of 1000 different forecasts are displayed in the picker.

Release Notes Summary

PipeChain 2019 R2



PipeChain 2019 R2 28

Release Date: 2020-10-22

If a Delivery Schedule transaction (CS38 for supplier side, PW51 for customer) creates an order, DeliverTo and ShipTo addresses are not always saved

The error was corrected.

If an address appears in the transaction, it is used (corrected for PW51). Else, an address configured on the partner is used (added for both CS38 and PW51).

Maximum length for Sales Order Id

There is a new selected property 243 "Maximum allowed number of characters in Sales Order Id upon confirmation. 0 = no limit." Set this property up to a number larger than 0 (default), and you limit the length of the Sales Order Id you can supply at confirmation.

Release Notes Summary

PipeChain 2019 R2



PipeChain 2019 R2 29

Release Date: 2020-12-16

Error in Invoice roundoff calculation

Due to floating point arithmetic precision issues, the Invoice roundoff calculation can differ on the last decimal in rare cases. This issue has now been resolved.

Please note that all invoice calculations are done with a six decimal points precision. When rounding to two decimals for display purposes, there might be instances where this rounding could cause the figures to seem to not completely add up.

The correct buttons will now show when viewing an order with lines that are pending approval

The correct buttons will now show when viewing orders the have lines with status pending approval, but not being in status pending order itself.

New shortcut icon for the java client.

The java client now has a new shortcut icon.

Fixed Web Service for getting Invoice Deliveries not returning a response.

Web Service for getting Invoice Deliveries will no longer fail to return a response when request contains an invoice row referring to an order containing cancelled rows.

Analyzer Poll may fail when saving to Product dimension

The error was introduced in PipeChain 2019 R2 SP21.

Release Notes Summary

PipeChain 2019 R2



Same reception registration in CS38 DeliveryPlan erroneously increases Dmd Qty of orderline

It is an error in the logic when you send in the very same goods reception in CS38 Delivery Plan several times.

The first time after shipping it will be correct. Quantity 4 (left to receive). 5 are received here, a total of 9.

The second time you miss in one place in the code that you have already made this reception. The consequence is that you count is at another reception as there are 5 more left to receive: 4 (left to receive). Another 5 are received here, for a total of 4 + 5 (previously received + 5 (now received) = 14 Dmd Qty on the orderline.

However, when you have to do the actual reception, you will find that this reception have been done before, and do not register it double. Therefore, you get the strange result that on the order line there will be only 5 received, 9 shipped, and 14 ordered (which comes from the double reception).

This issue has now been addressed.

ProductPriceAgreement: Send Delivery Agreement not working

Function updated to send Partner Agreement CS44.
User feedback added to button.
Button text and tooltip changed to Send Partner Agreement.

DEV7027 Different transportunitlabel printouts for jonit despatches

The ability to select from available printout for order subtype (delivery subtype labels) have now been compatible with joint despatches. Previously, only the first order found in the despatch was taken into consideration, as no requirement was that orders with different order subtype and printout settings was to be joint deliverable. This issue has now been rectified, and you can now print the available transportunit labels from each order subtype as a selection in the transportunit label dropdown.

Also removed the option of printing the first available transportunit label from the overview/view header when there are multiple transportunit labels to choose from, forcing the user to make an active choice.

Add DelivSubTypeLabel Name to views

Add DelivSubTypeLabel Name to views
Display DelivSubTypeLabel setting Name in Invoice, InboundOrder, Shipping and Despatch views.

Release Notes Summary

PipeChain 2019 R2



Fixed attachment links in All Order Lines view not appearing.

In the All Order Lines view, attachment file names were showing up, but were not clickable. This has now been fixed.

Orders Pending Approval could fail in the remedying operations

Orders in status "Pending Approval" would function as planned, but orders in later statuses, e.g. Partially Received, failed.

This logic was replaced with "does the order have any order line in status Pending Approval or Pending Approval (Previously Confirmed)":

Workaround: ReplenOrderStatus can be set to 48 directly in the database (by PipeChain Support).

Release Notes Summary

PipeChain 2019 R2



PipeChain 2019 R2 30

Release Date: 2021-01-18

Transaction CS08 with erroneous ProdId would fail with unpleasant consequences

The transaction would finish in status "Processed with Error" with a suitable error message, but in the database the OwnProdNode object would be created, whereas the ProdDef object would not. This would cause errors at any usage of the product. Often just a "null" error. The error was corrected.

If the error occurs, the product can be deleted from the PipeChain client screen "Own Bucket Overview".

Error in inboundCS80 Invoice transaction error handling missing message.

The problem presents itself as InboundCS80 Invoice transactions processed fails with error. No more information is presented in the message log than: "MACom transaction processing error: Transaction number 563769 could not be processed. null".

This is due to an error in the error handling that will manifest itself. The frequent cause for this is that a business agreement could not be found for the partner. Either the supplier (SupplierId) or the biznodealias (CustomerId) is erroneous, and the business agreement could not be found.

This issue has now been resolved and the proper error message is shown: "The system could not find the unique business agreement BizNodeId = '405255' AND DelivAddressId = " AND BizNodeType = 20 AND SiteKey = 1 AND OwnBizNodeIdAlias = '101681' AND OwnBizNodeAddressAlias = ".

Assigning salesorderid to order when confirming is considered a deviation

In the case of Sel Prop 1561 USEORDERLINECONFIRMATION set to 5 = Mandatory Deviation on all changes, the supplier will get a deviation error prompt when confirming even if nothing is changed apart from the sales order Id. You will not get this deviation in setting 4 = Mandatory when changes are above the limit.

Assigning the sales order id/line id to the order/line should not be considered a deviation, even on the harshest setting. This issue has now been addressed.

Release Notes Summary

PipeChain 2019 R2



PipeChain 2019 R2 31

Release Date: 2021-02-05

Monitor Supplier / Orders to Confirm

The count of Orders to Confirm in the Supplier's Monitor view is now updated to match the remarks in the Orders to Confirm view. Please note that Orders may also have other remarks than those concerning late confirmation.

Show Cost Account Summary divided per Activity

DespatchInvoicer, RentalReport och RentalReportHistory show Cost Account summary divider per activity.

New value of "hide" added to Selected Property 1390 UseRoundOff

New value of "hide" added to Selected Property 1390 UseRoundOff. The new description is: Rounding option for Create Invoice. Valid values: none/false, manual, auto/true, hide (hide removes the option and no rounding is made). Default: None".

Used to define if a Round Off Setting should be set as a default in the Create Invoice screen, or hidden. Valid values are "None", "Auto", "Manual", and "Hide". Hide removes the RoundOff option from the screen and the setting value is treated as "None" for calculations, i.e. no roundoff is made. Since DEV7141 no longer a Boolean, but a string, corresponding to the RoundOffSetting class. The legacy values of true and false are still supported; "True" resolves to "Auto" and "False" to "None".

Add possibility to approve historic Rental Reports

Possible to approve historic Rental Reports in the same way as current Rental Reports

Added input for activity description when accepting new activity for waybill

Accepting a new activity for a waybill will now also let the user input a description to the new activity before confirming.

Show Activity Summary divided per Cost Account

DespatchInvoicer, RentalReport and RentalReportHistory show Cost Activity summary divided per Account.

Release Notes Summary

PipeChain 2019 R2



Add filter options and remarks on changes in Rental Report History

Add filter options and coloured remarks on changed and new posts in Rental Report History the same way as in RentalReport.

Order Generation Strategy "Single Line"

Setting Delivery Suggestion Parameter "Order Generation Strategy" to "Single Line" will now actually create one order per order line.

Transport unit label cannot be printed from the overview screen

After the latest service pack the transport unit label cannot be printed from the overview screen, in some instances. Printing from the detail view does work, however, and is a valid workaround. This issue has now been addressed.

Also added DelivSubTypeLabel to the Despatch Detail screen.

Show DelivSubType in AllOrderLines

Added DelivSubType as a hidden column to USVInDeliv (and indirectly to USVAllOrderLines).

PipeChain 2019 R2 32

Release Date: 2021-02-05

Cost Account Id change in Delivery Agreement should override supplier's input

Cost Account change in Delivery Agreement should override supplier's input in new OrderReceipts and RentalReports.

Previous value is saved to field CostAccountIdSupplier on respective row.

Controlled by Selected Property 1575 USE_COSTACCOUNT_FROM_DELIVAGRMT boolean default false

DB-script: PIPECHAIN_180400_TO_190200_PASS_09_Rental_DespatchInvoiceRow_MSS

Release Notes Summary

PipeChain 2019 R2



PipeChain 2019 R2 33

Release Date: 2021-02-15

Non-scrolling web overview screens returns 1001 rows.

Web screens that are not off the type "load data as you scroll" returns a maximum of 1000 rows for performance issues, as many special screens (like Forecast History). Due to a bug in the platform, they return 1001 rows. This has now been corrected.

Monitor Supplier / Orders to Confirm

The Orders to Confirm column in the Monitor Supplier screen now counts all confirmable orders. Orders with a confirmation reminder shows up as red.

Show Activity Summary divided per Cost Account in RentalReport

Show Activity Summary divided per Cost Account in RentalReport and RentalReportHistory

Cost Account change in Delivery Agreement should override supplier's input in RentalReport

Cost Account change in Delivery Agreement should override supplier's input in RentalReport and RentalReportHistory.

Previous value is saved to CostAccountIdSupplier.

Controlled by Selected Property 1575 USE_COSTACCOUNT_FROM_DELIVAGRMT boolean default false

Hanging Data Exchange jobs are now terminated

A bug prevented hanging Data Exchange jobs from being terminated. That bug is now fixed.

Added new functionality for sending mail concerning multiple rental report lines

A new column has been added to the Rental Reports grid view, containing a checkbox for each row. The user can use these to select rows, and then click the mail button in the header to create a single mail referring to all selected rows.

A single Mail Conversation will be created referring to all selected rows. This conversation will only be closed when all selected rows have been accepted.

Release Notes Summary

PipeChain 2019 R2



Added new column "Planned End Date" to Rental Report grid

A new column has been added to Rental Report and Rental Report History grids. A date can be set in this column for a line. This field will be marked yellow if Report Date falls within one week of this date. When a new rental report is read, this date will be copied to the corresponding line in that report.

Added Selected Property #1576 used to set the days margin between Report Date and Planned End Date. If the day difference between these two dates are within the margin, Planned End Date will be marked yellow.

Product Price Agreement: Show previous price and who accepted the new price

When accepting new price from Order Receipt in Receive Waybill, the user name and previous price is saved and displayed in Product Price views.

Release Notes Summary

PipeChain 2019 R2



PipeChain 2019 R2 34

Release Date: 2021-02-17

Conditions for shipping and signaling of late shipments in Monitor view

Orders no longer appear in the 'Orders to Ship' view when the flag 'Expect Despatch Advice' is off in Process Configuration.

The rules for signalling yellow or red shipment in the Monitor view have also been changed

- The flag 'Expect Despatch Advice' must be on.
- Yellow warning appears Y hours before the shipment time runs out. Y can be set as the property `se.pipechain.ship.order.warning` in the server's property file. It defaults to 0.
- Red warning appears R hours after the shipment time runs out. R can be set as the property `se.pipechain.ship.order.error` in the server's property file. It defaults to 16.

Please note that when shipment time is given as a date, then the shipment time is considered to be 00:00.

Property file example:

`se.pipechain.ship.order.warning = 1`

`se.pipechain.ship.order.error = 20`

Supply database cleanup for TransactionInfo

The night job Supply database cleanup are never run for the TransactionInfo table. This issue has now been resolved.

Action on installation

Run the sql script present in the PLUS-catalogue. The script also adds indexes and moves the table to MACOM, improving performance.

Session caching of SelectedProperty mismatch

Session caching of SelectedProperty can sometimes mismatch and not read the actual setting. This can result in reconfirmation being impossible, for example.

This issue has now been addressed;

Fixed session selected property cache key store and lookup error

Initialize and use session selected propertycache in order and shipindeliv screens

Release Notes Summary

PipeChain 2019 R2



PipeChain 2019 R2 35

Release Date: 2021-03-24

Customer Product View - SMI Filter and Selected Properties 6003 and 10031

The 'SMI Filter' button in the Customer Product view is now a personal setting (previously, it was a global setting controlled by Sel Prop 10031).

Sel Prop 10031 now only serves as initial setting, before user changes it.

Sel Prop 6003 can be used to override, and force Suppliers to view SMI products only.

LoadPlanner: old Extra and Cancelled Shipments were not removed, which could cause poor performance

Noted in screen "Route Detail", use case "Update All Reception Schedules".

This use case could take several minutes (and even time out), now it should take a few seconds.

Erroneous labels in Report Screen browsers

Several browsers in the PipeChain client Report Screens showed erroneous name and sometimes also erroneous column name, however the browsed data was the expected.

The error did not affect the web client.

Added MaxAmount attribute to outgoing CS80 <InvoiceFee> and PR80 <Fee> elements.

Added MaxAmount attribute to outgoing CS80 <InvoiceFee> and PR80 <Fee> elements. The MaxAmount value is taken from the Setting value of the Property Value #1310 that the invoice is linked to.

Deviation Information, Confirm and Reconfirm issues

1. "Any row that requires a deviation code makes the other lines require a deviation code, when deviation code is mandatory on change.

This issue has been addressed, and order is now only required on the actually changed lines.

2. "Deviation Information needs to be a mandatory field."

Handled by a new selected property 1578 DEVIATION_INFO_MANDATORY_NO_OF_CHARS (integer) that sets a limit of how many characters the user has to state.

3. "Accepted customer change requests also needs a deviation code."

This issue has been addressed. No comparison is made with the previously confirmed values when the customer restarts the process by submitting changes.

Release Notes Summary

PipeChain 2019 R2



Delivery Suggestion Generation: Suggestion omitted

This error could cause yellow (or even red) days in the inventory chart - even if the suggestion generation was spanking fresh.

The error would appear if there exists one or more confirmed deliveries in the future AND a new suggestion is needed before this confirmed delivery. This suggestion was never created.

Order Spec LT is set to zero on new lines when splitting lines

Copied the value of Order Spec LT from the original row when splitting.

PipeChain 2019 R2 36

Release Date: 2021-04-06

Transaction CS03 Despatch Advice does not pick deliveries to ship according to status

When using a partial delivery key, as customer+product, the transaction reader algorithm can choose to ship suggestions, which are not allowed to ship, even when confirmed deliveries are present. This issue has now been addressed, and orderlines with shippable statuses, where available, are selected before unshippable statuses.

Update All Reception Schedules fails

The error appears when a new transport needs to be created, The error message looks something like "Unexpected exception while performing transaction in Transport.updateObject! No item has value=0" The error was corrected.

Delivery Suggestion Generation: Suggestion omitted correction caused problem when using Bucket strategy

In SP46 a correction was added, where the error disallowed suggestions to be created before confirmed deliveries.

While this was beneficial when using TRANSPORT strategy, it could cause significant problems when using BUCKET strategy.

Thus it was made possible to revert to the old behaviour, but only for BUCKET strategy,

This is done by setting Selected Property 7300 "VMI: Delivery Suggestion Generation will not generate new BUCKET suggestions before a confirmed line, default is false" to the value "true".

Please note that this setting will only prevent new suggestions, it will not remove any already created suggestions.

Release Notes Summary

PipeChain 2019 R2



PipeChain 2019 R2 37

Release Date: 2021-04-09

Product Price Agreement: Show previous price and who accepted the new price

When accepting new price from RentalReport, the user name and previous price is saved and displayed in Product Price views.

Improvements in Transaction Overview - Improved logging in transactions

Some transactions that logs data to transaction overview and transaction info overview have not been logging into all available data fields. This issue has now been addressed.

PipeChain 2019 R2 38

Release Date: 2021-04-19

"Invalid Column Name ConversationId" error when accepting Rental Report.

Fixed minor error about "Invalid Column Name ConversationId" when accepting Rental Report.

PipeChain 2019 R2 39

Release Date: 2021-04-26

An issue in CS02 could generate a processed error "Could not fetch PurchaseOrderId from document"

An issue that PurchaseOrderId was not parsed correctly in CS02, was introduced in 19R2 SP 37.00.00. This could generate a processed error: "Could not fetch PurchaseOrderId from document". This has now been corrected.

PipeChain 2019 R2 40

Release Date: 2021-05-03

CS02, processed error: "Could not fetch PurchaseOrderId from document", 19R2 SP 37.00.00 (part 2)

Added check if PipeChainOrderId was present before trying to fetch it since it is not mandatory to provide it.

Release Notes Summary

PipeChain 2019 R2



PipeChain 2019 R2 41

Release Date: 2021-05-07

Analyzer Poll could fail with a null-pointer message when saving Delivery Forecast

An error was corrected 2020-07-29 because product dimension from delivery data could be updated very often. This was applied from version 2019 R1 and upwards.

A part of this correction was to avoid Delivery Statuses below REQUESTED, as the latest Order Date were used (lower statuses do not have an Order Date).

Unfortunately, this created another problem. Sometimes a ProdId could occur ONLY in a forecast, and then the forecast could not be connected to the Product Dimension and Analyzer Poll would fail.

Now, lower Delivery Statuses are again used to retrieve ProdId. This usage is restricted to INSERT, it may never UPDATE the Product Dimension.

PipeChain 2019 R2 42

Release Date: 2021-05-17

Analyzer Poll, restoring lost Delivery Forecast

An error was corrected 2021-05-07. Sometimes a ProdId could occur ONLY in a forecast, and then the forecast could not be connected to the Product Dimension and Analyzer Poll would fail.

This would cause Delivery Forecast computation to resume, but it would not restore lost forecast.

If a sufficient amount of Delivery Forecast AND requested deliveries are saved in the PipeChain and Analyzer databases, it may be possible to restore some lost data.

This will require some (approx 10h) analysis from PipeChain, and require upgrade to a new service pack.

Release Notes Summary

PipeChain 2019 R2



PipeChain 2019 R2 43

Release Date: 2021-06-02

Restore on Pending Approval Order after split yields erroneous quantities

Restore on Pending Approval Order after split when demand quantity is kept (when selected property 54 is set to true), will not restore the original demand quantities. Also, PW01 is sent only containing the restored orderlines.

These issues have now been resolved.

Order detail view positions on the wrong orderline when going to orderline details

Order detail view positions on the wrong orderline when going to orderline details. Instead of picking the correct one, it will take the first available orderline (of any orders).

This has been resolved by disabling the internal model positioning in the web, as it is not working. Instead positioning is made by keys.

Transaction PW40 WebPurchaseOrder yields "null" error on new orders

Due to an internal error introduced in a previous service pack, when a new order arrives by PW40 Transaction WebPurchaseOrder the transaction reader crashes with the message: "MACom transaction processing error: Transaction number [NN] could not be processed. null"

This issue has now been addressed.

DEV7203 - Force MACom transaction into error:

DEV7203 - Force MACom transaction into error:

Create possibility for receiving converters to force transaction into error with an error cause message. This error message is used as message log entry for Text _10017_TRANS_FORCED_ERROR and is sent in the event email body to ProcessingResponse email.

This is applicable for all MACom transaction types and is triggered by the converter by setting Head element ForceError, see example below:

```
<Head Acknowledge="false" Release="19.2.0" TransDate="2021-05-29T07:18:15">
```

```
<Sender Id=""/>
```

```
<ProcessingResponse Email="example@pipechain.com"
```

```
ReferenceText="PurchaseOrder nnnn" SeverityLevel="Errors Only"/>
```

```
<ForceError
```

```
ErrorMessage="Order nnnn for supplier xxxx is blocked due to that the supplier cannot handle order change before confirmation" ForceError="True"/>
```

```
</Head>
```