

PipeChain Release Notes 4.9.4

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1 WELCOME

PipeChain is a software system that automates the flow of goods between companies, in production, between production and sales within a company.

Website: www.pipechain.com

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NOTICE

Information in this document is subject to change without notice.

2 UPGRADE TO VERSION 4.9.4

Here are actions for what to do before installation of PipeChain 4.9.4. Document describing how to install PipeChain 4.9.4 can be found at Customer login at www.pipechain.com - [Flow on demand](#) at customer login.

2.1 Actions before upgrading to PipeChain 4.9.4

Before upgrading to PipeChain 4.9.4 from a previous version than 4.9.3, please follow the instructions in release notes for all previous releases of PipeChain that you need to check. See www.pipechain.com at Customer login for earlier release notes.

PipeChain Analyzer 4.9.4 does NOT support SQL Server 2000 or SQL Server 2005. SQL Server 2008 or SQL Server 2008 R2 is required.

3 RELEASE NOTES PIPECHAIN 4.9.4

Release notes is a list of all new functions made in PipeChain 4.9.4. The list also includes all new functions and corrections delivered in service packs in PipeChain 4.9.3.

Please notice that this list is not updated after the release date of 4.9.4. Any new service pack in PipeChain 4.9.4 created after the release date of 4.9.4 is not included but can be found at www.pipechain.com, Customer login/Documentation/4.9.3/Service Pack Notes

3.1 New functions and improvements in 4.9.4


Selection of New functions in PipeChain 4.9.4

WebEDI/Inbound VMI: Notification for receiving goods.

A new e-mail for received goods can be sent to a supplier or/and customer contact. This e-mail will contain all order lines that has been received since last e-mail was sent. PipeChain will update and send this new e-mail every night.

Received Goods Period 2013-09-12 00:01 - 2013-09-12 09:00

noreply-TEST@pipechain.com

 If there are problems with how this message is displayed, click here to view it in a web browser.

Sent: to 2013-09-12 09:00

To: Daniel Larson

PipeChain
automating the supply chain. link by link

This message was sent 2013-09-12 09:00

from the PipeChain Server Findus_prod.

Notification from: PipeChain AB (test)
Deliver to: Dynapac Compaction Equipment AB, Karlskrona, Sweden
Supplier: 10001, Porfyrvägen 12, Porfyrvägen 13, Porfyrvägen 14, Lund, Sweden, 046-329081

Received goods has been reported on following order lines in period 2013-09-12 00:01 - 2013-09-12 09:00:

Purchase Order Id	Line	Sales Order Id	Line	Customer Product Id	Customer Product Name	Supplier Product Id	Shipment Time	Receipt Time	Order Line Qty	Total Received Qty	Received Qty	Unit	Status
1100				110-8	WIRING HARNESS Rev:	110-8	2013-09-10	2013-09-10	12.0	12.0	12.0		Received

To activate this function, set selected property: "[357] Send Received Goods mail that includes all goods receptions since last time background program Notification Mail Sender was executed" to true. Add e-mail address with selected property: "[358] Mail address for Received Goods mail. Dependency"

Inbound VMI: Simplified VMI-order change and possibility to Simulate your allready confirmed VMI-orders in the web interface.

This functionality is especially suitable to use when more than one replenishment order exist at the same time for the same product and there are long lead times or the supplier sometimes confirm a little bit too long in advance.

It is possible for the supplier using Web Interface to simulate and reconfirm VMI orders for all confirmed (but not shipped) orders. After you are done with simulation you can reconfirm the orders without having to go to the order screens. You can of course disregard the simulation and restore the values.

This new tab is called “Change Confirmed Orders” in the Customer Bucket Detail screen. It is also linked via different delivery overview screens Initial and Resulting duration hyper links.

PipeChain
flow on demand

Supplier: All Suppliers -- Select Supplier --

Forecast Confirmation Shipping Invoicing Monitoring Settings PipeChain Info

Customer Bucket Detail

Supplier Id: 10001 S.Address:
Product Id: 1001 Variant:
Customer's Product Id: 1001 Variant:
Customer's Product Name: product A

Bucket | Delivery Agreement | Flow Model | Total Outflow | Outbound Deliveries | Change Confirmed Orders |

Simulate Reconfirm Orders Save but do not reconfirm Restore values Undo

	Replen Order Id	Status	Last Confirmed Shipment Time	Last Confirmed Receipt Time	Comment (time)	Shipment Time	Receipt Time	Last Confirmed Qty	Comment (qty)	Acc Qty	Int D	Res D
1	2436485	Shipped	30/12/13 04:30	31/12/13 04:30		11/09/13 00:00	12/09/13 00:00	28.29		28.29	10.2d	13.0d
2	2436463	Confirmed	12/09/13 09:06	12/09/13 21:27	2.5d too early	12/09/13 09:06	12/09/13 21:27	42.41		42.41	12.5d	14.1d
3	2436473	Confirmed	12/09/13 09:06	12/09/13 09:06	5h 3m too early	12/09/13 09:06	12/09/13 09:06	42.42		42.42	10.2d	13.0d
4	2436474	Confirmed	12/09/13 09:06	13/09/13 03:55	3.9d too early	12/09/13 09:06	13/09/13 03:55	42.42		42.42	13.9d	15.5d
5	2436487	Locked	25/09/13 04:37	26/09/13 04:37		25/09/13 04:37	26/09/13 04:37	28.29		28.29	6.5d	7.8d

Create Suggestions Inventory Chart

























Overview First Previous Next Last Save New Copy Delete
Delivery Agreement

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This page was generated 12/09/13 09:07. Central European Time (Europe/Stockholm).

Inbound VMI+WebEDI: New Multi-Site Supplier Overview screen available

There is a new overview screen designed to better support a web supplier in a mixed flow of both VMI and WebEDI orders. There is also new event management on “Schedules to Reconsider” which is confirmed VMI orders that will end up outside coverage time limits. It first links to all orders outside limits and then finally to the new tab “Change Confirmed Orders” in the Customer Bucket Detail screen. It gives the supplier a hint that own production has a possibility to be better utilized (for mutual benefits) even though it might be within a frozen margin.

The screen has “action based” icons which mean that “you have orders to confirm” or “You have Deliveries to ship” etc for the execution part.

Web Suppliers Overview						
Forecast		Confirmation	Shipping	Customer Monitoring	Customer Relation	PipeChain Info
Orders		VMI		Shipments		Information
Orders to Confirm		Suggestions to Confirm	Schedules to reconsider	Customer Items		
DC01		 3	 2 3	 1	 3	 36  6 34
DC03		 5	 1	 2 1 1	 4 2 1	 9  9
DC04		 1	 1	 1	 1	 
DC05		 1	 1	  1	 11  11	

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This page was generated 2013-09-17 17:23, Central European Time (Europe/Stockholm).
Version: 4.9.4, SP 0.11.0.

Inbound/Outbound VMI: Now possible to simulate delivery and suggested quantity changes on the web in the Inventory Chart

It is now possible to simulate delivery and suggested quantity changes in Inventory Chart/Closing Balance on the web. The Closing Balance table is recalculated with new quantity for columns "Balance incl delivs" and "Balance incl suggs". The colors are also updated according to compared with Max balance (Blue), Safety Balance (Yellow) and red if below zero. This simulation is the same that exists when using PipeChain Java (desktop) Client.

Delivery Suggestion Overview

First Previous 1 2 3 4 5 6 7 8 9 10 Next Last (11)

Supplier Id	Production Time	Late	Shipment Time	Receipt Time	Product Id	Customer's Product Id	Customer's Product Name	Quantity	Unit	Create Order	Int D	Res D	Min Deliv Qty	Max Del
1	10001	24/09/13 04:37	<input type="checkbox"/>	25/09/13 04:37	26/09/13 04:37	1001	1001	product A	28.29	pcs		6.5d	7.6d	26.34

PipeChain: Inventory Chart - Windows Internet Explorer

Supplier: 10001, Customer's Product Id: 1001, Product Id: 1001

[Closing Inventory Chart](#) | [Closing Inventory per Day](#) | [Closing Inventory per Week](#)

Simulate


Date	Requirement	Balance	Outbound Deliveries	Balance incl deliv	Outbound Suggestions	Balance incl sugg
1 Stock on hand	0	260	0	260	0	260
2 Late deliveries	0	260	70.71	330.71	0	330.71
3 12/09/13	15.71	244.29	42.41	357.41	0	357.41
4 13/09/13	25.46	218.83	42.42	374.37	0	374.37
5 14/09/13	0	218.83	0	374.37	0	374.37
6 15/09/13	0	218.83	0	374.37	0	374.37
7 16/09/13	25.46	193.36	0	348.9	0	348.9
8 17/09/13	25.46	167.9	0	323.44	0	323.44
9 18/09/13	25.46	142.44	0	297.98	0	297.98
10 19/09/13	25.46	116.97	0	272.51	0	272.51
11 20/09/13	25.46	91.51	0	247.05	0	247.05
12 21/09/13	0	91.51	0	247.05	0	247.05
13 22/09/13	0	91.51	0	247.05	0	247.05
14 23/09/13	25.46	66.05	0	221.59	0	221.59
15 24/09/13	25.46	40.58	0	196.12	0	196.12
16 25/09/13	25.46	15.12	0	170.66	0	170.66
17 26/09/13	25.46	-10.34	0	145.2	28.29	173.49
18 27/09/13	25.46	-35.81	0	119.73	28.29	176.32
19 28/09/13	0	-35.81	0	119.73	0	176.32
20 29/09/13	0	-35.81	0	119.73	0	176.32
21 30/09/13	25.46	-61.27	0	94.27	28.29	179.15

WebEDI: Enhanced notification of new and changed order

This notification occurs when a Purchase Order transaction (CS40) is received. Previously, these notifications always contained a single line corresponding to the order itself. This did not allow much information on the order's content. The Cancel/Delete order case still contains a single line, because in these cases order line information may be absent. In case of a new or changed order, the notification now consists of one information line per order line, and is more similar to confirmation or shipment notifications.

New Order

noreply-TEST@pipechain.com

 If there are problems with how this message is displayed, click here to view it in a web browser.

Sent: on 2013-09-11 10:10

To: Daniel Larson

Cc: daniellarson590@hotmail.com



This message was sent 2013-09-11 10:10

from the PipeChain Server Findus_prod.

Notification from: PipeChain AB (test)
 Deliver to: Stengatan, 111 01, Göteborg, Sweden
 Supplier: 10001, Porfyrvägen 12, Porfyrvägen 13, Porfyrvägen 14, Lund, Sweden, 046-329081

The following purchase order has been received:

Order Id	Line	Order Date	Shipment Date	Receipt Date	Product Id	Product Name	Supplier Product Id	Quantity	Unit of Measure	Price	Currency	Discount
9924	1	2013-09-11	2013-09-22	2013-09-22	550-1	Potatis eko blanch 10x10mm	550-1	10.0	PCE	10.95	SEK	0.0
9924	2	2013-09-11	2013-09-15	2013-09-16	660-1	Persilja eko obl IQF	660-1	10.0	KG	20.90	SEK	0.0
9924	3	2013-09-11	2013-09-17	2013-09-18	770-1	Potatis eko blanch 10x10mm	770-1	20.0	KG	30.95	SEK	0.0

Selected Property 355 may be used to hide either Shipment Time or Receipt time. In addition to this, the order printout is added as an attachment. This is controlled by Selected Property 309 (default true) since it may have performance implications. The (standard or custom) file that converts the attachment XML structure to a PDF file must be copied to the "plugins" directory of the PipeChain Server installation.

Inbound/Outbound VMI + WebEDI: Color indication for Deliveries (Order Lines) changed.

This change applies to "Deliveries" in the PipeChain Client, and "Outbound Deliveries" or "Order Lines" in the Web Interface.

It is now considered more severe to brake what has already been promised than to confirm with a deviation etc. Redundant warning has been removed so the exceptions shall be easier to find and understand.

Fields representing Dates, Quantities, Prices and Discounts are now color marked as follows:

RED (indicates a “broken promise”) used in both VMI and Traditional order flow

- Shipping Date/Time is red if shipment time is passed and status is only “confirmed” and active shipment is part of the process. Tolerance is optional.
- Reception Date/Time is red if receipt time is passed without the delivery has been received.

YELLOW (indicated a change request or confirmation with deviation) used in order flow

- Yellow fields prefixed by "Demand..." or "Dmd..." indicates that the customer has made a change. Tolerance is optional.
- Other yellow field indicates that the supplier has made a change. Tolerance is optional.
- Shipped or Received Quantity that is yellow indicates that an incorrect quantity has been shipped, or received.

Inbound Delivery Overview												
Product Name	Quantity	Shipped	Received	Dmd Ship Time	Shipment Time	Dmd Rcp Time	Receipt Time	Supplier chg	Order chg	Status	Notes	No of DUs
product A	10.00			06/09/13 00:00	06/09/13 00:00	06/09/13 00:00	06/09/13 00:00	<input type="checkbox"/>	<input type="checkbox"/>	Confirmed		0.00
	12.00			10/09/13 00:00	10/09/13 00:00	10/09/13 00:00	10/09/13 00:00	<input type="checkbox"/>	<input type="checkbox"/>	Shipped		0.00
	28.29			30/12/13 04:30	11/09/13 00:00	31/12/13 04:30	12/09/13 00:00	<input type="checkbox"/>	<input type="checkbox"/>	Shipped		0.00
product B	80.00	80.00	0.00	11/09/13 10:52	11/09/13 00:00	12/09/13 10:52	12/09/13 00:00	<input type="checkbox"/>	<input type="checkbox"/>	Shipped		0.00
product A	42.42	0.00	0.00	09/09/13 08:38	12/09/13 09:06	10/09/13 08:38	12/09/13 09:06	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Confirmed		0.00
product A	42.41	0.00	0.00	11/09/13 21:27	12/09/13 09:06	12/09/13 21:27	12/09/13 21:27	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Confirmed		0.00
Olives black whole	10.00			22/09/13 00:00	13/09/13 00:00	22/09/13 00:00	13/09/13 00:00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shipped		0.00
Potatis eko blanch 10x10mm	10.00	10.00	0.00	22/09/13 00:00	13/09/13 00:00	22/09/13 00:00	13/09/13 00:00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shipped		0.00
Potatis eko blanch 10x10mm	10.00	10.00	0.00	15/09/13 00:00	13/09/13 00:00	16/09/13 00:00	13/09/13 00:00	<input type="checkbox"/>	<input type="checkbox"/>	Shipped		0.00
	10.00	10.00	0.00	15/09/13 00:00	13/09/13 00:00	16/09/13 00:00	13/09/13 00:00	<input type="checkbox"/>	<input type="checkbox"/>	Shipped		0.00
	10.00	10.00	0.00	15/09/13 00:00	13/09/13 00:00	16/09/13 00:00	13/09/13 00:00	<input type="checkbox"/>	<input type="checkbox"/>	Shipped		0.00
	20.00	20.00	0.00	17/09/13 00:00	13/09/13 00:00	18/09/13 00:00	13/09/13 00:00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shipped		0.00
	20.00	20.00	0.00	17/09/13 00:00	13/09/13 00:00	18/09/13 00:00	13/09/13 00:00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shipped		0.00
	20.00	20.00	0.00	17/09/13 00:00	13/09/13 00:00	18/09/13 00:00	13/09/13 00:00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shipped		0.00

In this picture you see that the Dmd Rcp Time (Demand Receipt Time) is YELLOW because the customer has changed (marked Order chg) the original demanded Reception time.

Product Id	Product Name	Quantity	Dmd Qty	Shipped	Received	Shipment Time	Dmd Ship Time	Receipt Time	Dmd Rcp Time	Status	Supplier chg	Order chg
660-1		10.00	10.00	0.00	0.00	15/09/13 00:00	15/09/13 00:00	16/09/13 00:00	16/09/13 00:00	Confirmed	<input type="checkbox"/>	<input type="checkbox"/>
770-1		20.00	20.00	0.00	0.00	17/09/13 00:00	17/09/13 00:00	18/09/13 00:00	18/09/13 00:00	Confirmed	<input type="checkbox"/>	<input type="checkbox"/>
550-1	Potatis eko blanch 10x10mm	10.00	10.00	0.00	0.00	22/09/13 00:00	22/09/13 00:00	27/09/13 00:00	25/09/13 00:00	Change Requested	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Same information in the Web Interface

PipeChain
flow on demand

Supplier: All Suppliers — Select Supplier —

Forecast Confirmation Shipping Invoicing Monitoring Settings PipeChain Info

Delivery Overview

First Previous 1 2 3 4 Next Last

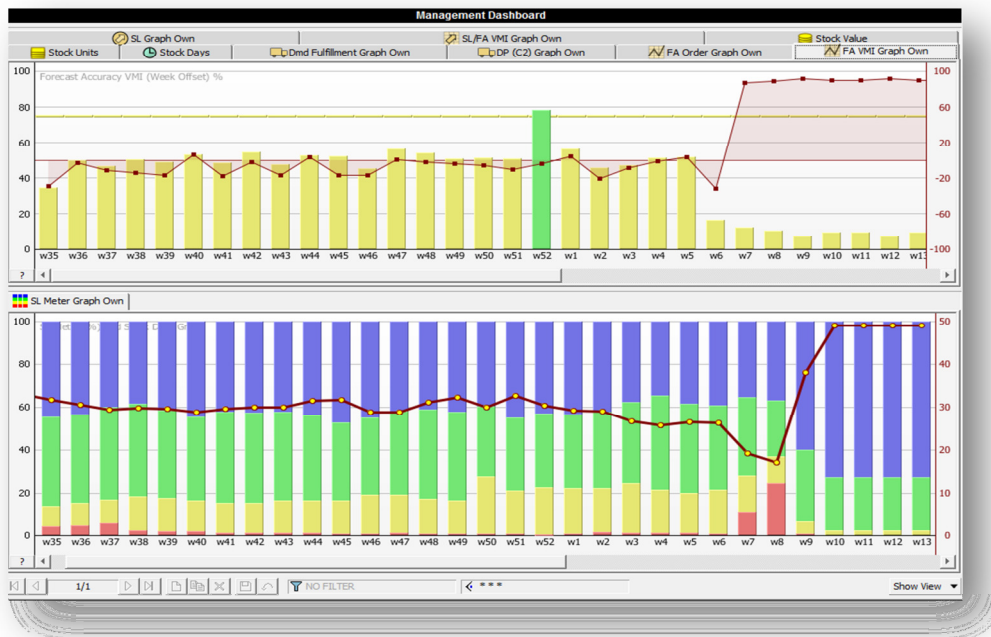
Edit View Search Printer Friendly Export to Excel

	Supplier Id	Order Type	Status	Purchase Order Id	Replen Order Id	Line	Sales Order Id	Product Id	Customer's Product Id	Quantity	Unit	Production Time	Shipment Time	Receipt Time		Split Line	Dmd Qty	Acc
1	10001	Purchase Order	Confirmed	5510	5510			880-1	880-1	10		06/09/13 00:00	06/09/13 00:00	06/09/13 00:00		<input type="checkbox"/>	10	
2	6002506	Purchase Order	Confirmed	100	100	1	100	141414	151515	500	KG	06/09/13 00:00	06/09/13 00:00	06/09/13 00:00		<input checked="" type="checkbox"/>	500	
3	6002506	Purchase Order	Confirmed	100	100	1	100	141414	151515	250	KG	06/09/13 00:00	06/09/13 00:00	06/09/13 00:00		<input type="checkbox"/>	250	
4	6002506	Purchase Order	Confirmed	102	102	1	1231	141414	151515	300	KG	06/09/13 00:00	06/09/13 00:00	06/09/13 00:00		<input type="checkbox"/>	750	
5	10001	Purchase Order	Requested	5510	5510			880-2	880-2	10		06/09/13 00:00	06/09/13 00:00	06/09/13 00:00		<input type="checkbox"/>	10	
6	6002506	Purchase Order	Confirmed	100	100	2	100	242424	252525	450	KG	08/09/13 00:00	08/09/13 00:00	09/09/13 00:00		<input type="checkbox"/>	450	
7	6002506	Purchase Order	Confirmed	102	102	2	1231	242424	252525	450	KG	08/09/13 00:00	08/09/13 00:00	09/09/13 00:00		<input type="checkbox"/>	450	
8	10001	Purchase Order	Received	1100	1100			110-8	110-8	12		10/09/13 00:00	10/09/13 00:00	10/09/13 00:00		<input type="checkbox"/>	12	
9	10001	Purchase Order	Shipped	5610	5610		12315465	880-8	880-8	12		10/09/13 00:00	10/09/13 00:00	10/09/13 00:00		<input type="checkbox"/>	12	
10	6002506	Purchase Order	Confirmed	2615667	2615667	1	778797	365003-M	151320	2,640	KG	11/09/13 00:00	11/09/13 00:00	11/09/13 00:00		<input type="checkbox"/>	2,640	2,640
11	10001	Replenishment Order	Shipped		2436485		884-444	1001	1001	28.29	pcs	27/12/13 04:30	11/09/13 00:00	12/09/13 00:00		<input type="checkbox"/>	28.29	28.29
12	10001	Replenishment Order	Shipped		2436457		7897	1002	1002	80	pcs	10/09/13 10:52	11/09/13 00:00	12/09/13 00:00		<input type="checkbox"/>	80	
13	10001	Replenishment Order	Confirmed		2436473		1333	1001	1001	42.42	pcs	11/09/13 09:06	12/09/13 09:06	12/09/13 09:06		<input type="checkbox"/>	42.42	42.42
14	10001	Replenishment Order	Confirmed		2436463		1000	1001	1001	42.41	pcs	11/09/13 09:06	12/09/13 09:06	12/09/13 21:27		<input type="checkbox"/>	42.41	42.41
15	10001	Purchase Order	Shipped	9920	9920	1	S9920	540-01	540-01	10	KG	13/09/13 00:00	13/09/13 00:00	13/09/13 00:00		<input type="checkbox"/>	10	
16	10001	Purchase Order	Shipped	9921	9921	1	S9921	550-1	550-1	10	PCE	13/09/13 00:00	13/09/13 00:00	13/09/13 00:00		<input type="checkbox"/>	10	
17	10001	Purchase Order	Shipped	9922	9922	1	S9922	550-1	550-1	10	PCE	13/09/13 00:00	13/09/13 00:00	13/09/13 00:00		<input type="checkbox"/>	10	
18	10001	Purchase Order	Shipped	9920	9920	2	S9920	660-1	660-1	10	KG	16/09/13 00:00	13/09/13 00:00	13/09/13 00:00		<input type="checkbox"/>	10	
19	10001	Purchase Order	Shipped	9921	9921	2	S9921	660-1	660-1	10	KG	16/09/13 00:00	13/09/13 00:00	13/09/13 00:00		<input type="checkbox"/>	10	
20	10001	Purchase Order	Shipped	9922	9922	2	S9922	660-1	660-1	10	KG	16/09/13 00:00	13/09/13 00:00	13/09/13 00:00		<input type="checkbox"/>	10	
21	10001	Purchase Order	Shipped	9920	9920	3	S9920	770-1	770-1	20	KG	16/09/13 00:00	13/09/13 00:00	13/09/13 00:00		<input type="checkbox"/>	20	
22	10001	Purchase Order	Shipped	9921	9921	3	S9921	770-1	770-1	20	KG	16/09/13 00:00	13/09/13 00:00	13/09/13 00:00		<input type="checkbox"/>	20	

Analyzer/Management Dashboard: Forecast Bias.

Easier to understand if demand is Over or Under forecasted.

Previously, we have measured forecast accuracy as an absolute measure but have now also implemented it so it is much easier to follow and understand if it is over or under forecasted. It follows the same calculation as the other forecast and order accuracies and can be a value between -100% to +100% where a positive value is over forecasting and zero is spot on the plan.



Picture: shadowed area in top diagram indicate Forecast Bias (over or under forecasting) in when monitoring gross requirements (e.g. in a VMI-flow)


Analyzer/Management Dashboard:

Delivery Forecast Accuracy is now available with Daily resolution

It contains exactly the same data as "Delivery Forecast Week", introduced in version 4.9.3 - with Forecast Bias (see above) added. It provides "Forecast Accuracy" similar to the "Flow Model Precision Day" cube. However, instead of comparing actual outflow from inventory balance and in/out-deliveries to a forecast represented as Flow Model or Flow Meter, the new cube compares actual demand from order lines/deliveries to a forecast represented as a Delivery Plan (deliveries of status "Forecast"). This is suitable for non-VMI data. Since "Delivery Forecast Day" is supposed to function also when no Delivery Agreement is present, there is no "Lead Time Accuracy", only accuracy with respect to the forecast age (time offset) 0 to 6 days. Both inbound and outbound deliveries are handled. The data is also visible as a Dashboard View.

PipeChain Client: Own Bucket Overview screen can display data from all sites in PipeChain Client

It's now possible to set the Own Bucket Overview screen to view data from all sites. If you have more than one Site in PipeChain it is possible to see products from all sites in same screen. Click on the button Display data from all sites in business when you're in the Own Bucket Detail Overview screen. Previously it has only been the Duration Meter Overview that has had this multisite functionality on partial bucket level.



	Product Id	Product Name	Product Description	Duration	Stock In Transit	Balance	Unit	Virtual Balance	Shortage	Transport Lead Time	Max Balance	Outflow	Notes	Critic
1	10002	Quorn Taco Mince 12x300g Nord	Quorn Tacofars	9,999.0d	0.0d	0.00	KG	0.00	0.00	0.0d	0.00	10.00		0.0d
2	10005	Quorn Stroganoff med strimlor	Quorn Stroganoff med strimlor	9,999.0d	0.0d	1,468.80	KG	1,468.80	0.00	3.0d	0.00	26.71		0.0d
3	10009	Quorn Premium Burger 12x320g	Quorn Burgare	27.6d	0.0d	6,082.56	KG	6,082.56	0.00	3.0d	0.00	722.78		0.0d
4	1001	product A		10.2d	8.1d	260.00	pcs	465.54	0.00	1.0d	160.00	25.46		1.0d
5	10013	Quorn Lasagne 6x350g SWE	Quorn Lasagne	25.1d	0d 14h	2,454.90	KG	2,511.60	0.00	3.0d	0.00	88.39		0.0d
6	10016	Quorn Grillkorv	Quorn Grillkorv	15.6d	9.4d	589.68	KG	1,021.68	0.00	3.0d	0.00	71.31		0.0d
7	10018	Quorn Pytt 12x600g SWE	Quorn Pytt	1.7d	0.0d	266.40	KG	266.40	0.00	3.0d	0.00	351.81		0.0d
8	1002	product B		12.4d	5.5d	180.00	pcs	260.00	0.00	1.0d	0.00	14.50		1.0d
9	10024	Quorn Korv 12x300g	Quorn Korv 12x300g	9,999.0d	0.0d	100.00	KG	100.00	0.00	3.0d	0.00	105.35		0.0d
10	1003	product B transport times		30.6d	0.0d	500.00	pcs	500.00	0.00	1.0d	0.00	0.00		1.0d
11	10032	Quorn Fillets 12x312g	Quorn Filéer 312g	8.4d	14.4d	4,313.09	KG	12,636.00	0.00	3.0d	0.00	792.64		0.0d
12	10037	Quorn Italian Fillets 6x180g Swe	Quorn Italienska Filéer	9,999.0d	0.0d	0.00	KG	0.00	0.00	3.0d	0.00	0.00		0.0d
13	10039	Quorn Steak strips	Quorn Strimlor	10.0d	0.0d	480.00	KG	480.00	0.00	3.0d	0.00	40.11		0.0d
14	10044	Quorn Steak Strips 12x300g Swe	Quorn Strimlor	28.4d	0.0d	3,567.60	KG	3,567.60	0.00	3.0d	0.00	159.44		0.0d
15	10045	Quorn Balls	Quorn Bullar	30.0d	0.0d	1,200.00	KG	1,200.00	0.00	3.0d	0.00	21.24		0.0d
16	10046	Quorn Nuggets	Quorn Nuggets	36.2d	0.0d	2,705.40	KG	2,705.40	0.00	3.0d	0.00	81.51		0.0d
17	10049	Quorn Mince 12x300g	Quorn Färs 300g	17.7d	0.0d	18,921.60	KG	18,921.60	0.00	3.0d	0.00	1,845.07		0.0d
18	10050	Quorn Pieces	Quorn Bitar	12.9d	0.0d	8,193.60	KG	8,193.60	0.00	3.0d	0.00	899.33		0.0d
19	10053	Quorn Middagskorv 10x300g SWE	Quorn Middagskorv 10x300g SWE	14.1d	0.0d	1,176.00	KG	1,176.00	0.00	3.0d	0.00	117.90		0.0d
20	10061	Quorn Balls 10x300g SWE	Quorn Bullar	9.6d	5.1d	1,353.00	KG	2,175.00	0.00	3.0d	0.00	170.25		0.0d
21	10063	Quorn Sausages	Quorn Korv	18.3d	0.0d	3,322.80	KG	3,322.80	0.00	3.0d	0.00	69.00		0.0d
22	10070	Quorn Bacon Style Slices 12x150g...	Quorn Å la Bacon	9,999.0d	0.0d	0.00	KG	0.00	0.00	0.0d	0.00	0.00		0.0d
23	10095	Quorn Fillets 6x624g SWE	Quorn Filéer 624g	6.0d	0.0d	1,681.06	KG	1,681.06	0.00	3.0d	0.00	783.21		0.0d

PipeChain Client: Sorting overview screens by clicking column headers is now possible in PipeChain Client

It is now possible to sort overview screens by clicking column headers. Just click on the columns you want to be sorted. Column that is active and sorted by are shown as bold arrows.

PipeChain Client 4.9.4 - PipeChain_Findus_4.9.4

File Edit View Go Help

Click the column

Own Bucket Overview

	Product Id	Product Name	Product Description	Duration	Stock In Transit	Balance	Unit	Virtual Balance	Shortage	Transport Lead Time	Max Balance	Outflow	Notes	Critical
1	10002	Quorn Taro Mince 12x300g SWE	Quorn TaroFars	9,999.0d	0.0d	1,468.80	KG	1,468.80	0.00	3.0d	0.00	26.71		0.0d
2	10005	Quorn Stroganoff med strimlor	Quorn Stroganoff med strimlor	27.6d	0.0d	6,082.56	KG	6,082.56	0.00	3.0d	0.00	722.78		0.0d
3	10009	Quorn Premium Burger 12x320g	Quorn Burgare	10.2d	8.1d	260.00	pcs	465.54	0.00	1.0d	160.00	25.46		1.0d
4	1001	product A		25.1d	0d 14h	2,454.90	KG	2,511.60	0.00	3.0d	0.00	86.39		0.0d
5	10013	Quorn Lasagne 6x350g SWE	Quorn Lasagne	15.6d	9.4d	589.68	KG	1,021.68	0.00	3.0d	0.00	71.31		0.0d
6	10016	Quorn Grillkorv	Quorn Grillkorv	1.7d	0.0d	266.40	KG	266.40	0.00	3.0d	0.00	351.81		0.0d
7	10018	Quorn Pytt 12x600g SWE	Quorn Pytt	12.4d	5.5d	180.00	pcs	260.00	0.00	1.0d	0.00	14.50		1.0d
8	1002	product B		9,999.0d	0.0d	100.00	KG	100.00	0.00	3.0d	0.00	106.35		0.0d
9	10024	Quorn Korv 12x300g	Quorn Korv 12x300g	30.6d	0.0d	500.00	pcs	500.00	0.00	1.0d	0.00	0.00		1.0d
10	1003	product B transport times		8.4d	14.4d	4,313.09	KG	12,636.00	0.00	3.0d	0.00	792.84		0.0d
11	10032	Quorn Fillets 12x312g	Quorn Filéer 312g	9,999.0d	0.0d	0.00	KG	0.00	0.00	3.0d	0.00	0.00		0.0d
12	10037	Quorn Italian Fillets 6x180g SWE	Quorn Italienska Filéer	10.0d	0.0d	480.00	KG	480.00	0.00	3.0d	0.00	40.11		0.0d
13	10039	Quorn Steak strips	Quorn Strimlor	28.4d	0.0d	3,567.60	KG	3,567.60	0.00	3.0d	0.00	159.44		0.0d
14	10044	Quorn Steak Strips 12x300g SWE	Quorn Strimlor	30.0d	0.0d	1,200.00	KG	1,200.00	0.00	3.0d	0.00	21.24		0.0d
15	10045	Quorn Balls	Quorn Bullar	36.2d	0.0d	2,705.40	KG	2,705.40	0.00	3.0d	0.00	81.51		0.0d
16	10046	Quorn Nuggets	Quorn Nuggets	17.7d	0.0d	18,921.60	KG	18,921.60	0.00	3.0d	0.00	1,845.07		0.0d
17	10049	Quorn Mince 12x300g	Quorn Färs 300g	12.9d	0.0d	8,193.60	KG	8,193.60	0.00	3.0d	0.00	899.33		0.0d
18	10050	Quorn Pieces	Quorn Bitar	14.1d	0.0d	1,176.00	KG	1,176.00	0.00	3.0d	0.00	117.90		0.0d
19	10053	Quorn Middagskorv 10x300g SWE	Quorn Middagskorv 10x300g SWE	9.6d	5.1d	1,353.00	KG	2,175.00	0.00	3.0d	0.00	170.25		0.0d
20	10061	Quorn Balls 10x300g SWE	Quorn Bullar	18.3d	0.0d	3,322.80	KG	3,322.80	0.00	3.0d	0.00	69.00		0.0d
21	10063	Quorn Sausages	Quorn Korv	9,999.0d	0.0d	0.00	KG	0.00	0.00	0.0d	0.00	0.00		0.0d
22	10070	Quorn Bacon Style Slices 12x150g...	Quorn Å la Bacon	6.0d	0.0d	1,681.06	KG	1,681.06	0.00	3.0d	0.00	783.21		0.0d
23	10095	Quorn Fillets 6x624g SWE	Quorn Filéer 624g	17.5d	7.5d	5,083.20	KG	7,646.40	0.00	3.0d	0.00	637.63		0.0d
24	10104	Quorn Pieces 6x600g SWE	Quorn Bitar 600g	9,999.0d	0.0d	1,647.00	KG	1,647.00	0.00	3.0d	0.00	22.22		0.0d
25	10123	Quorn Bolognesesås	Quorn Bolognesesås	40.5d	0.0d	2,394.00	KG	2,394.00	0.00	3.0d	0.00	20.24		0.0d
26	10124	Quorn Assortmentbox	Quorn Sortiments&da	0.0d	0.0d	0.00	KG	0.00	0.00	3.0d	0.00	23.84		0.0d
27	10124	Quorn Assortmentbox	Quorn Sortiments&da	0.0d	0.0d	0.00	KG	0.00	0.00	3.0d	0.00	23.84		0.0d
28	10125	Quorn Assortmentbox2	Quorn Sortiments&da2	0.0d	0.0d	0.00	KG	0.00	0.00	3.0d	0.00	23.84		0.0d
29	10137	Quorn Mince 6x600g SWE	Quorn Färs 600g	19.6d	0.0d	4,896.00	KG	4,896.00	0.00	3.0d	0.00	1,300.75		0.0d

Other Improvements and corrections in PipeChain 4.9.4

WedEdi:Include Container No in Inventory Activity and Inventory Item	1.) Container No is added to web screen Inventory Activity Overview and is searchable and sortable. 2.) Unit Of Measure is now included in transaction Consignment Consumption PW55 3.) Container No is added into StatusLine element in transaction Inventory report CS04
WebEDI:Invoice transaction written by PC is extended	The invoice transaction (CS80) is extended with; SalesOrderId SalesSubOrderId SalesOrderLine Id
WebEDI: "All Customers" checkbox not working properly	Some screens display a checkbox, "All Customers", beside the customer selector in the screen header. Selecting that checkbox as lead to unexpected results. These problems are now fixed.
PipeChain Client:Demand Plan is not always generated	Demand Plan was only generated if the Partner Agreement is - connected to a MACom channel that sends CS67 - Inbound Delivery Forecast Report - Delivery Suggestion Parameters state that "Send Summed Suggestions = After generation wait 0m" The logic should have ensured generation of a Demand Plan once a day even if the above conditions are not met, but this did not work. The error appears in the Message Log as a null-pointer error during the In Delivery Investigation background job. The error was corrected.
PipeChain Client: Problems leaving empty dashboard screen	Fixed a problem that could occur when attempting to leave the Management Dashboard screen while it was empty, i.e. contained no views.
WebEDI: PDF Euro sign in PDF printouts	There have been problems with Euro signs (and other characters) in PDF printouts. These are now solved.
WebEDI: Calender now shows weeknumbers	The calendar in WebEDI now shows the week numbers. It's important to know that the week number shown is the ISO-week, which is the week number, used by most countries. US, Mexico and some Middle Eastern countries have slightly different systems, which are not supported.
PipeChain Client: Goods reception was registered as Inventory Adjustment in Inventory Activity	Goods reception was registered as Inventory Adjustment in Inventory Activity. It should be registered as Goods Receipt. This is now corrected.
PipeChain Client: Stopped	

unnecessary server communication	Detail screens for Supplier and Customer have an indicator that displays if the background job for creating Suggestions is running. The indicator is kept updated by a thread that repeatedly queries the server. Under certain circumstances, that thread kept running after the user had logged out. This resulted in error printouts in the server's log. This problem is now fixed
WebEDI: No need to log in again when following link to object in other site.	You no longer need to login when you follow a link to an object in another site. "Another site" means "another Customer" when running the Web Supplier, and "another Supplier" when running the Web Customer or Web Shop application.
Inbound VMI: The triangle was incorrect shown for duration meter on Partial bucket	The triangle was incorrect shown for duration meter on Partial bucket. This because that end of analysis was calculated wrong after confirm order line
Inbound VMI: Demand Plan Deliveries are created for Deliv. Agreements in status Monitoring Part II	No delivery plan (only demand plan) should be created from suggestion generation if the delivery agreement is set to monitoring. This is now corrected. Also corrected fatal error that Forecast History Detail also displayed lines from Demand Plan History (gross demand) This is now changes so that Forecast History Detail only shows Delivery Plan (net demand) from History.
Inbound VMI: Severity warning and error are now not shown on forecast lines in delivery screens	Forecast line is shown in tab for Inbound Deliveries. From now on is no severity warning and error shown on these lines. Initial and resulting duration is also blanked out for forecast lines.
WebEDI: Initial and resulting duration is not calculated when created by Purchase Order Transaction	Initial and resulting duration is not calculated when requested order lines are created by Purchase Order Transaction CS40 if the product exist in PipeChain and the attribute IsProductDefined in CS40 is true or does not exist.
WebEDI: New function for CS40 attribute IsProductDefined	There is a new function for CS40 attribute IsProductDefined. From now on is this attribute only controlling if the product must exist or not in PipeChain. If the value is true must the product exist in PipeChain to be able to process transaction CS40. If this attribute not exist or has value false then is no check if product exist or not done. Note that the logic for calculating duration etc. for the product is now only controlled by if the product exit or not in PipeChain. Old solution: IsProductDefined not exists, product does not exist --> No check that product exist and no calculation of duration etc. IsProductDefined is false, product does not exist -

->No check that product exist and no calculation of duration etc. IsProductDefined is true, product does not exist --> CS40 processed error IsProductDefined not exists, product does exist --> No check that product exist but calculation of duration etc. IsProductDefined is false, product does exist -->No check that product exist and no calculation of duration etc. IsProductDefined is true, product does exist --> Check that product exist and calculation of duration etc. New solution: IsProductDefined not exists, product does not exist --> No check that product exist and no calculation of duration etc. IsProductDefined is false, product does not exist -->No check that product exist and no calculation of duration etc. IsProductDefined is true, product does not exist --> CS40 processed error IsProductDefined not exists, product does exist --> No check that product exist but calculation of duration etc. IsProductDefined is false, product does exist -->No check that product exist but calculation of duration etc. <== new behavior IsProductDefined is true, product does exist --> Check that product exist and calculation of duration

WebEDI: Improvements
and corrections in
Notification emails

Improvements: Outbound notification emails from PipeChain have traditionally been configured per PipeChain User. In version 4.9.0, ability to send notifications (but not deviations) using the Partner Agreement contact was added (controlled by Selected Properties 290 and 291). Now also deviations can be sent using the Partner Agreement contact (controlled by Selected Properties 287 and 288). All fields containing email addresses can now hold 2000 characters (previously 70 or 1000 or 2000). This is necessary since the field may contain a semicolon separated list of addresses. Corrections: If an outbound delivery was confirmed in the Pipechain Client, no deviation was ever reported due to erroneous handling of the "original" values. If Process Configuration stated "Expect Order Response after Order Change", no deviation was ever reported since the changes were saved outside (before) the confirmation operation. Now, deviation handling is performed at "save" in this case. If an outbound delivery was shipped, there was ALWAYS a quantity deviation due to erroneous handling of the "original" values.

Inbound VMI/WebEDI:
Severity errors and
warnings where shown on
received order lines

Severity errors and warnings where shown on received order lines. This is now changed so that no error (red) and warning (yellow) are shown in screens for order lines with status received.

Analyzer:
AnalyzerProperties, e g
Cube Processing Trigger
can be configured
erroneously

Analyzer Poll runs per site, and with a few exceptions the job should use AnalyzerProperties records for its own site only. However, AnalyzerProperties with a correct BizKey and a SiteKey=0 were also accepted. This was changed, now all AnalyzerProperties except "UsePreviousDateForInventoryPoll" (is set on business level) and "Limit_Years_Inventory" (and

	Limit_Years_Shipments etc.) require SiteKey.
VMI, WEBEDI: Empty Inventory Chart for some articles	Sometimes the Inventory Chart is empty (all grey) even if there are deliveries. This occurred in some conditions when balance was zero. A null-pointer exception was written to the log file. The error was corrected.
VMI, WEBEDI: Unsuspected zero duration in Inventory Chart	Sometimes the Inventory Chart would show a zero duration when "unlimited" (i.e. 9999 days) was expected. This occurred in some conditions when both balance and outflow was zero. The error was corrected.
Inbound/Outbound VMI: Deliveries are created for Delivery Agreements in status Monitoring	If Monitoring, only Demands should be saved and displayed. The error was corrected. Already present Demand Plan deliveries are not affected.
Analyzer: Two errors in Dashboard views for StockUnits, StockValue and StockDays	The above views did not find Selected Properties settings where BizNodeType = Supplier was chosen, but settings where BizNodeType = worked well. The above views did not react to the Product filter settings in the WebSupplier. Both errors had the same origin, and were corrected.
Analyzer: Selected Property 8040 erroneous and insufficiently documented	This property allows the user to define that Delivery Precision should use "First Confirmed" date and quantity (rather than "Last Confirmed") when comparing to actual date and quantity. This property is of type boolean, however the comment indicated that entered values should be 0 or 1. The comment was changed. In addition to the Delivery Precision KPI presentation in the Web Supplier Dashboard, this property is also used for the Delivery Precision Report screens corresponding measures. This was added to the documentation.
WebEDI: Deviation Text is truncated if it contains an apostrophe	The entered string was saved correctly, but was truncated at the apostrophe when displayed. The problem was fixed specifically for Deviation Text, sa a more general solution is not safe to apply in a released version.
WebEDI: Qty to Ship in Create Despatch screen is now not editable with right selected property	Qty to Ship in Create Despatch screen is now not editable if selected property [56] "Allow to ship other quantity than confirmed qty" is set to 40 " Never"
Inbound/Outbound VMI: Product supersession did not change product	Product supersession did not not change product correctly when using supersession strategy Soft. To be able to change product must the balance of the old product be zero and there should be

correctly	no inbound deliveries. However the error was that wrong Product was used when testing these conditions. The test was done on the new product instead of the old product. This error is now corrected.
Inbound VMI: Missing required attribute caused the Inventory Transaction to be "Processed Error"	If a single required attribute was missing then was the whole Inventory Transaction processed error, no product balance was updated. This is now changed so that only the product element with missing attribute (i.e. Balance) is affected.
PipeChain Client, MACom: Filter extended with order tracking	The MACom filter no includes references to order information, such as Replen Order Id, Partner, Invoice No and Delivery Note.
PipeChain Client: Servlet-api.jar is not needed any more in PipeChain server installation	Servlet-api.jar is not needed any more in PipeChain server installation.
WebEDI: Websupplier's Overview didn't display correctly when single supplier selected	This error happened only to user with access to several suppliers. When selecting a single supplier, the screen still displayed data on all suppliers. The error has been corrected.
Inbound VMI: End of analysis (vertical red line) in Inventory Chart was not correct	End of analysis (vertical red line) in Inventory Chart was not correct when having delivery agreements with replenishment share 0%
Inbound VMI: Different default value for min days shown on Inventory Chart	Different default value for min days shown on Inventory Chart for web client and java client. Before this change was min for web clients 10 days and for java client is was 3 days. Now is min days 3 days for both clients
Analyzer: "Forecast Bias" is added to all "forecast accuracy"-cubes and	Forecast Bias is a complement to Forecast Accuracy and reveals if the forecast is generally too high or too low. Forecast Bias is computed as '(forecast-outflow) / forecast', i.e. as the forecast error

dashboard views	<p>as a (signed) percentage of the forecast. If its values are evenly distributed around the zero-line, the forecast is unbiased. Forecast Bias is available for each OLAP accuracy measure, also Flow Meter Precision, Delivery Forecast and Volume Value Weighted. In the Dashboard, Forecast Bias is presented for all forecast dashboard views except the combined Service Level and Forecast Accuracy graph. The offset week selected for Forecast Accuracy is also applied to Forecast Bias. Now when Forecast Bias is added, an annoying OLAP feature (bug) could be managed: When looking at a zero Volume Value Weighted forecast accuracy, OLAP did not present zero precision, instead the precision looked the same as for "no data". Since Accuracy and Bias is never zero at the same time, this anomaly is now handled.</p>
Analyzer: Delivery Forecast Accuracy is now available with Daily resolution	<p>It contains exactly the same data as "Delivery Forecast Week", introduced in version 4.9.3 - with Forecast Bias (see other Release note) added. It provides "Forecast Accuracy" similar to the "Flow Model Precision Day" cube. However, instead of comparing actual outflow from inventory balance and in/out-deliveries to a forecast represented as Flow Model or Flow Meter, the new cube compares actual demand from orderlines/deliveries to a forecast represented as a Delivery Plan (deliveries of status "Forecast"). This is suitable for non-VMI data. Since "Delivery Forecast Day" is supposed to function also when no Delivery Agreement is present, there is no "Lead Time Accuracy", only accuracy with respect to the forecast age (0 to 6 days). Both inbound and outbound deliveries are handled. The data is also visible as a Dashboard View.</p>
WebEDI: Shipment time set differently when shipping goods has been reported as "ready for shipment"	<p>Selected property 133 does now even affect shipment time and reception time when shipping goods that has been reported as "ready for shipment"</p>

PipeChain Client: Inventory Chart bugs	Bugs were fixed in Inventory Chart when viewing an object in another site than the user is currently logged in to.
PipeChain Client: Own Bucket screens can display data from all sites	It's now possible to set the Own Bucket screen to view data from all sites.
PipeChain Client: Ordertracking for outbound transactions are implemented	The following order transactions can be tracked in the transaction folder of the order detail screen; Order – CS41 OrderChange – CS42 OrderResponse – CS02 DespatchAdvice – CS03
PipeChain Client: Changing site is now faster	We have optimized the process of changing the client's site, so that it's now significantly faster when working with many sites.
WebEDI: Deliveries are now moved to finished deliveries according to settings in Partner Agreement	Deliveries are now moved to finished deliveries when they have status Received or Invoiced. When they are moved are determined by Process Config setting for attributes Expect Despatch Advice , Expect Reciving Advice and Expect Invoice according to following rule: Not expect Despatch Advice , Reciving Advice and Invoice: The delivery is moved during automatic reception when it is confirmed and reception time has been passed. Expect Despatch Advice and not expect Reciving Advice and Invoice: The delivery is moved during automatic reception when it is shipped and reception time has been passed. Expect Reciving Advice and not expect Invoice: The delivery is moved when the delivery is goods reception reported regardless of despatch advice (shipping done) Expect Reciving Advice and expect Invoice: The delivery is moved when the delivery is goods reception reported and the delivery is and Invoiced. Deliveries are not moved immediately when using invoice instead are they moved by background program Finish Order
WebEDI: Order head info. at Commission call-off was not always complete in PW01 at order change	Additional information/General information was not written at order change. Customer/EndCustomer was not written at order change.
PipeChain Client: Partner id and partner address was not populated for outgoing transaction	Partner id and partner address was not populated for outgoing transaction in screen MACom Transaction overview. This error is now corrected.
WebEDI: Forecast Delivery Period's time period headers	When exporting the contents of the Forecast Delivery Period screen to Excel, the column headers representing time periods are

as plain dates when exporting to MS Excel	now printed as plain dates. For the different levels of detail, this means Day : The date itself (of course). Week : The date of the week's Monday. Month : The 1st of the month.
WebEdi/Inbound VMI: PipeChain One integrated in standard Web Interface	The customization PipeChainOne has replaced the contents of the standard interface. Also, the WebEdi customization has been integrated as far as possible into the standard. This means a change of the web interface for those customers that are not running a customized interface.
Inbound VMI, WebEDI: Balance not updated when cancelling reception registration	Balance not updated when cancelling reception registration. This was the case when product exist but order line isProductDefined was false.
PipeChain Client: Unnecessary Analyzer warning avoided	When Analyzer Poll is run, the system warns if the Analyzer database contains multiple System Identities (= PipeChain databases). This may not be a problem since the System Id can be changed, or multiple systems may use entirely different keys for the dimensions. Otherwise, this is a problem since the OLAP processing and the Dashboard will not distinguish between identical keys from different systems. This warning appeared more often than necessary, since some dimensions automatically get a dummy-record with a zero-key. These records are valuable because they guarantee that ALL fact-table records will show up in the cubes, even if there are key-mapping problems. Now these dummy records are excluded from the test for multiple System Identities.
PipeChain Client: Cleanup of PriceRange corrected, regarding date check	The background cleanup job can be set up to clean up price ranges where the valid to date has expired. This can be initiated by a setting on own site. It is now considered to be expired if it is previous day. The time part is not used anymore. This means as example that a price valid to 2103-04-01 00:00 is valid that whole day if not time is used in the order.
WebEDI: Last Confirmed Qty not set correct when processing CS06	Last Confirmed Qty not set correct when these already exist a splitted delivery that is received but not shipped. This error is now corrected.
Inbound VMI: Customer and Supplier element added to transaction PW25 Gross Demand	Two new element Customer and Supplier are added to transaction PW25 Gross Demand
PipeChain Client: Edit menu's line section not	In some screens, the line related selections in the Edit menu hasn't been enabled when they should. This problem is now corrected.

enabled

Order lines are not deleted automatically if delivery agreement is removed.

It should still be possible to have a complete picture of an order where the goods is received after a delivery agreement for one of the products is removed. But when deleting from Java client, the user will be asked if he wants to delete corresponding orderlines.

WebEDI: Improved order line information in Reminder Mail

The Reminder mail lists all orders that contain at least one order line that fulfills the reminder condition. The shipment/receipt date and order line id information was fetched from one such line. In version 4.9.4, the shipment/receipt date and order line id is always fetched from the line with the EARLIEST shipment/receipt date (that fulfils the reminder condition). In addition to this, the total no of order lines, and the no of order lines which fulfil the reminder condition are displayed.

WebShop: Default Category Name can be set for Webshop.

The Default Caegory Name, used to handle WebShop product without cathalogue belonging, can be set in the Catalogue Detail screen, Java client, when creating a new customer catalogue connection.

PipeChain Client: Personal column view for Inbound & Outbound Partner Agreement overview screens

It hasn't been possible to correctly use personalized column views for either the Inbound or Outbound Partner Agreement Overview screen. That problem is now corrected.

WebEDI: Order lines was displayed in Delivery Suggestion screen when selecting Customer View All

Even purchase order lines was displayed in Delivery Suggestion screen when selecting Customer View All. This errors now corrected. Now is only Replenishment orders displayed in this screen. Also corrected error that search was not possible when selecting Customer View All.

WebShop: Rounding strategy implemented in WebShop

Rounding strategy implemented in WebShop The rounding strategy is based in the webshop setting Rounding strategy found in the OwnSite/ WebShop folder. The strategy is to round on line level or on the total sum of the basket or not at all. Please note that the handling fee, based on setting on own site or partner agreement is handled as any other basket line in this case. The rounding is done according to the definition of the currency in the system tool / currency screen. If you as example want to round to 5 cents euro the setting is Decimals 2 and Lowest Denom 0,05.

PipeChain Client: Sorting by Site Id

Sorting by Site Id has been introduced in a number of screens, such as Inbound Delivery Suggestion, Inbound Delivery, Own Bucket Duration Meters, Outbound Delivery Suggestion,

	Outbound Delivery, Customer Bucket Duration Meters, MACom Transactions and MACom Channel.
Inbound VMI: The product definition transaction (CS08) is corrected regarding related products.	The keyword was not working. The product definition transaction CS08 is corrected regarding WebShopProductInformation/RelatedProduct
PipeChain Client: Sorting overview screens by clicking column headers	It is now possible to sort overview screens by clicking column headers.
PipeChain Client: Grid cell editing improvement	When editing of a grid cell was started by typing, the second typed character replaced the first.
PipeChain Client: New fields in Blanket Order Line tab in Deliver Agreement screen.	New fields in Blanket Order Line screen: Product Name, Sum Received Qty Prod Id, Sum Received Amount. The two last field is showing the accumulated quantity/amount for one product with several product variant.
WebEDI: It's now possible to sort and search with Port and Contract in Finished Order Lines	It's now possible to sort and search with Port and Contract in Finished Order Lines
Inbound VMI: Correction in product definition (CS08) and delivery agreement (CS10) transaction.	The SupplierManagedInventory flag is not considered for new agreements, only for updated agreements. Several price ranges with price list info and date limits but without quantity limits are now allowed.
Own and customer flow demand was not calculated correct when using Analyzer	Own and customer flow demand was not calculated correct when using Analyzer. This error is now corrected. Another error was also corrected. Saving own product or customer product could make the out flow calculation incorrect.

3.2 New functions in 4.9.3 Service Packs

4.9.3 01

Inbound/Outbound VMI:

New fields in Blanket
Order Line screen

New fields in Blanket Order Line screen: Product Name, Sum Received Qty Prod Id, Sum Received Amount. The two last field is showing the accumulated quantity/amount for one product with several product variant.

4.9.3 01 WebEDI:

It's now possible to sort and search with Port and Contract in Finished Order Lines

It's now possible to sort and search with Port and Contract in Finished Order Lines

4.9.3 02 WebEDI: Added web client support for IE10 and Chrome

Previously the only browser supported was Microsoft Internet Explorer up to version 9. Now, there is added support for Internet Explorer 10 and Google Chrome, versions 25 and above. IE6 and lower is no longer supported. Nor is lesser versions of Google Chrome than mentioned above, or other browsers.

3.3 Corrections in 4.9.3 Service Packs

4.9.3 01 WebEDI:
CS38 DeliveryScheudules
transaction should treat
forecaststatus 2 and 3 as 4 if no
order reference exists

The forecast statuses Material Committed (3) and Production Committed (2) are now treated as the are a pure forecast statuses, ie forecaststatus Forecast (4), if there is no order reference on the delivery in pipechain. Currently the statuses 2 and 3 are treated as forecaststatus Firm(1), which is only used for orders. The later behaviour will now only be true if the delivery contains an order reference.

4.9.3 01 WebShop: Default
Category Name can be set for
Webshop.

The Default Caegory Name, used to handle WebShop product without catalogue belonging, can be set in the Catalogue Detail screen, Java client, when creating a new customer catalogue connection.

4.9.3 01 PipeChain Client:
Personal column view for Partner
Agreement overview screens

It hasn't been possible to correctly use personalized column views for either the Inbound or Outbound Partner Agreement Overview screen. That problem is now corrected.

4.9.3 01 Inbound/Outbound VMI:
New fields in Blanket Order Line
screen

New fields in Blanket Order Line screen: Product Name, Sum Received Qty Prod Id, Sum Received Amount. The two last field is showing the accumulated quantity/amount for one product with several product variant.

4.9.3 01 Inbound VMI: Balance
not updated when cancelling
reception registration

Balance not updated when cancelling reception registration. This was the case when product exist but order line isProductDefined was false.

4.9.3 01PipeChain Client: Grid
cell editing improvement

When editing of a grid cell was started by typing, the second typed character replaced the first. This very annoying problem is now fixed.

4.9.3 01 WebEDI: Search with
Port and Contract in Finished
Order Lines

It's now possible to sort and search with Port and Contract in Finished Order Lines

4.9.3 02 PipeChain Client:
Package sum check error
Websupplier Create Despatch

Due to JavaScript's internal representation of decimal numbers, the check that the total sum of package quantities equals the quantity to ship could sometimes fail, even though the quantities where correct. This issue had now been remedied. Also, when entering an non valid number (i.e. "0" or "abc") you get an error message that could refer you to another line or package. This issue is also remedied. The third change is that only one pop-up error is shown, even though you might have multiple errors.

4.9.3 02 PipeChain Client:
Partner id and partner address
was not populated correct

Partner id and partner address was not populated for outgoing transaction in screen MACom Transaction overview. This error is now corrected.

4.9.3 02 PipeChain Client: Edit
menu's line section not enabled

In some screens, the line related selections in the Edit menu hasn't been enabled when they should. This problem is now corrected.

4.9.3 02 WebEDI: Added web
client support for IE10 and
Chrome

Previously the only browser supported was Microsoft Internet Explorer up to version 9. Now, there is added support for Internet Explorer 10 and Google Chrome, versions 25 and above. IE6 and lower is no longer supported. Nor is lesser versions of Google Chrome than mentioned above, or other browsers.

4.9.3 02 WebEDI:
Last Confirmed Qty not set
correct when when processing
CS06

Last Confirmed Qty not set correct when therse already exist a splited delivery thats is received but not shipped. This error is now corrected.

4.9.3 02 WebEDI: Forecast
Delivery Period's time period
headers when exporting to MS
Excel

Wen exporting the contents of the Forecast Delivery Period screen to Excel, the column headers representing time periods are now printed as plain dates. For the different levels of detail, this means Day: The date itself (of course). Week : The date of the week's Monday. Month : The 1st of the month.

4.9.3 02 Analyzer: Unnecessary
Analyzer warning avoided

When Analyzer Poll is run, the system warns if the Analyzer database contains multiple System Identities (= PipeChain databases). This may not be a problem since the System Id can be changed, or multiple systems may use entirely different keys for the dimensions. Otherwise, this is a problem since the OLAP processing and the Dashboard will not distinguish between identical keys from different systems. This warning appeared more often than necessary, since some dimensions automatically get a dummy-record with a zero-key. These records are valuable because they guarantee that ALL fact-table records will show up in the cubes, even if there are kay-mapping problems. Now these dummy records are excluded from the test for multiple System Identities.

4.9.3 03 VMI, WEBEDI: Empty
Inventory Chart for some articles

Sometimes the Inventory Chart is empty (all grey) even if there are deliveries. This occurred in some conditions when balance was zero. A null-pointer exception was written to the log file. The error was corrected.

4.9.3 03VMI, WEBEDI: Unsuspected zero duration in Inventory Chart	Sometimes the Inventory Chart would show a zero duration when "unlimited" (i.e. 9999 days) was expected. This occurred in some conditions when both balance and outflow was zero. The error was corrected.
4.9.3 03 WEBEDI: No data in Supplier Dashboard's Forecast Accuracy Order KPI and graph	This error was corrected. The Supplier Dashboard's help screen could in some cases present the default settings instead of the used (settings such as "no of weeks shown in Service Level graph"). This error was also corrected.
4.9.3 03 WebEDI: No need to log in again when following link to object in other site.	You no longer need to login when you follow a link to an object in another site. "Another site" means "another Customer" when running the Web Supplier, and "another Supplier" when running the Web Customer or Web Shop application.
4.9.3 03 Inbound VMI: The triangle was incorrect shown for duration meter on Partial bucket	The triangle was incorrect shown for duration meter on Partial bucket. This because that end of analysis was calculated wrong after confirm order line
4.9.3 03Analyzer: Problem when using linked servers	When using linked servers (PipeChain database and Analyzer database on different servers) writing to the FlowPeriodDayDiff table failed. The error was corrected.
4.9.3 03 PipeChain Client: Problems leaving empty dashboard screen	Fixed a problem that could occur when attempting to leave the Management Dashboard screen while it was empty, i.e. contained no views.
4.9.3 03 WebEDI: "All Customers" checkbox not working properly	Some screens display a checkbox, "All Customers", beside the customer selector in the screen header. Selecting that checkbox as lead to unexpected results. These problems are now fixed.
4.9.3 03 WebEDI: Transaction Conflict in Web Confirm	If one order contains two defined products that are defined with a supplier partial tank, any update of this order (ie Web Confirm, CS40 Purchaseorders Transaction will cause a transaction conflict. This issue has now been remedied.
4.9.3 03 WebEDI: Include Container No in Inventory Activity and Inventory Item	1.) Container No is added to web screen Inventory Activity Overview and is searchable and sortable. 2.) Unit Of Measure is now included in transaction Consignment Consumption PW55 3.) Container No is added into StatusLine element in transaction Inventory report CS04
4.9.3 03Analyzer:	

AnalyzerProperties, e.g. Cube Processing Trigger can be configured erroneously

Analyzer Poll runs per site, and with a few exceptions the job should use AnalyzerProperties records for its own site only. However, AnalyzerProperties with a correct BizKey and a SiteKey=0 were also accepted. This was changed, now all AnalyzerProperties except "UsePreviousDateForInventoryPoll" (is set on business level) and "Limit_Years_Inventory" (and Limit_Years_Shipments etc) require SiteKey.

4.9.3 03 PipeChain Client: Goods reception was registered as Inventory Adjustment in Inventory Activity

Goods reception was registered as Inventory Adjustment in Inventory Activity. It should be registered as Goods Receipt. This is now corrected.

4.9.3 03 WebEDI: Customer change in new order in CS38 DeliverySchedules transaction

Due to an error, a new order in CS38 could erroneously be marked as Customer Changed - but a brand new Order could not logically possibly be changed in any way. This behaviour causes PipeChain to generate an order changed-mail for subsequent CS38 containing that order - even if the order is not changed in those subsequent transactions. This issue has now been remedied.

4.9.3 03 Inbound VMI: Demand Plan Deliveries are created for Delivery Agreements in status Monitoring

If Monitoring, only Demands should be saved and displayed. The error was corrected. Already present Demand Plan Deliveries are not affected.

4.9.3 03 Analyzer: Two errors in Dashboard views for StockUnits, StockValue and StockDays

The above views did not find Selected Properties settings where BizNodeType = Supplier was chosen, but settings where BizNodeType = worked well. The above views did not react to the Product filter settings in the WebSupplier. Both errors had the same origin, and were corrected.

4.9.3 03 WebEDI: PW03 InboundDespatchAdvice marks partially shipped delivery schedule lines as fully shipped

When shipping a delivery schedule order line, you can overship one line of the same product in the order on one despatch line in the transaction, and the remaining quantity will be automatically put on the next order line. The first order line will then be fully shipped - which is correct. However, the second line will also be fully shipped, regardless of actual quantities involved. This issue has now been corrected.

4.9.3 03 WebEDI: Severity errors and warnings were shown on received order lines

Severity errors and warnings were shown on received order lines. This is now changed so that no error (red) and warning (yellow) are shown in screens for order lines with

status received.

4.9.3 03 WebEDI:
DeliverySchedule transaction
CS38 Partially shipped orderline
problems

Corrected logic for partially shipped orderlines, that could be cancelled without first finishing reception, leaving them hanging.

4.9.3 03 WebEDI: New function
for CS40 attribute
IsProductDefined

There is a new function for CS40 attribute IsProductDefined. From now on is this attribute only controlling if the product must exist or not in PipeChain. If the value is true then must the product exist in PipeChain to be able to process transaction CS40. If this attribute not exist or has value false then is no check if product exist or not done. Note that the logic for calculating duration etc. for the product is now only controlled by if the product exist or not in PipeChain. Old solution: IsProductDefined not exists, product does not exist --> No check that product exist and no calculation of duration etc. IsProductDefined is false, product does not exist -->No check that product exist and no calculation of duration etc. IsProductDefined is true, product does not exist --> CS40 processed error IsProductDefined not exists, product does exist --> No check that product exist but calculation of duration etc. IsProductDefined is false, product does exist -->No check that product exist and no calculation of duration etc. IsProductDefined is true, product does exist --> Check that product exist and calculation of duration etc. New solution: IsProductDefined not exists, product does not exist --> No check that product exist and no calculation of duration etc. IsProductDefined is false, product does not exist -->No check that product exist and no calculation of duration etc. IsProductDefined is true, product does not exist --> CS40 processed error IsProductDefined not exists, product does exist --> No check that product exist but calculation of duration etc. IsProductDefined is false, product does exist -->No check that product exist but calculation of duration etc. <== new behavior IsProductDefined is true, product does exist --> Check that product exist and calculation of duration etc.

4.9.3 03 Inound VMI/WebEDI:
Init and resulting duration is not
calculated when created by
Purchase Order Transaction

Init and resulting duration is not calculated when requested order lines are created by Purchase Order Transaction CS40 if the product exist in PipeChain and the attribute IsProductDefined in CS40 is true or does not exist.

4.9.3 03 WebEDI: Severity
warning and error are now not
shown on forecast lines in
delivery screens

Forecast line are shown in tab for Inbound Deliveries. From now on is no severity warning and error shown on these lines. Init and resulting duration is also blanked out for forecast lines.

4.9.3 03 WebEDI: CS40
PurchaseOrderId several issues,
autoconfirm

Fixed the following issues: 1) CS05 not sent on autoconfirm. 2) Cancelling an orderline when autoconfirm is enabled is not possible - the entire transaction fails. 3) Orderchange without any changes to the order still results in change sent status for integrated suppliers. 4) Customer Change-Flag not reset upon autoconfirm in a subsequent message. 5) OrderStatus not set to Sent when orderlines are.

4.9.3 03 Analyzer: Selected
Property 8040 erroneous and
insufficiently documented

This property allows the user to define that Delivery Precision should use "First Confirmed" date and quantity (rather than "Last Confirmed") when comparing to actual date and quantity. This property is of type boolean, however the comment indicated that entered values should be 0 or 1. The comment was changed. In addition to the Delivery Precision KPI presentation in the Web Supplier Dashboard, this property is also used for the Delivery Precision Report screens corresponding measures. This was added to the documentation.

4.9.3 03 WebEDI: Invoice
transaction written by PC is
extended

The invoice transaction is extended with; SalesOrderId
SalesSubOrderId SalesOrderLine Id

4.9.3 03 Inbound VMI: Demand
Plan History is not generated for
Delivery Agreements with
Suggestion Generation Strategy =
Monitoring

Now Delivery Suggestion Generation also handles
"Monitoring" agreements, i.e. Delivery Suggestiones are not
generated, but Demand Plan is.

4.9.3 03 WebEDI: CS40
PurchaseOrders transaction
DeleteOrderLinesNotInThisOrder
changed behaviour

DeleteOrderLinesNotInThisOrder is a flag in the transaction that tells you to delete all order lines not in the transaction. Previously the logic was so that you have to identify the deliveries by PipeChain DeliveryId and not Order Id's. Implemented support for PurchaseOrderId and ReplenOrderId. Also changed so that all non-confirmed orderlines were possible to cancel by this flag, DeleteOrderLinesNotInThisOrder.

4.9.3 03 Inbound VMI: Demand
Plan is not always generated

Demand Plan is only generated if the Partner Agreement is - connected to a MACom channel that sends CS67 - Inbound Delivery Forecast Report - Delivery Suggestion Parameters state that "Send Summed Suggestions = After generation wait 0m" The logic should have ensured generation of a Demand Plan once a day even if the above conditions are not met, but this did not work. The error appears in the Message Log as a null-pointer error during the In Delivery Investigation background job. The error was corrected.

4.9.3 04 WebEDI:
ContactPerson issues in
Outbound Order detail

The following issues have been solved: 1) ContactPerson 2's fax no is written on ContactPerson 1's line. Now it's correct 2) Internally created user id is not shown when name is missing. Now the internally created user id is only shown if no other data is available, like when the user definition has manually been deleted from the database.

4.9.3 04 Inbound VMI: Demand
Plan Deliveries are created for
Delivery Agreements in status
Monitoring Part II

Correction on DEV2826. No delivery plan (only demand plan) should be created from suggestion generation if the delivery agreement is set to monitoring. This is now corrected. Also corrected fatal error that Forecast History Detail also displayed lines from Demand Plan History (gross demand) This is now changes so that Forecast History Detail only shows Delivery Plan(net demand) from History.

4.9.3 04 WebEDI:
DeliverySchedule transaction
CS38 Reception Registration
Caching problems

There is a problem when using multiple goods reception on the same orderline and delivery, using the same delivery id. This is due to a caching problem, not possible. This issue has now been resolved.

4.9.3 04 WebEDI:
OrderResponse transaction
(PW02) stops if any line are
received.

Due a strict check, the OrderResponse transaction (PW02) stops if the order is partially received - i.e. any line is received. The correct behaviour for the check would be that lines that are not yet fully shipped are permitted to be changed. Other lines should be ignored.

4.9.3 04 Inbound VMI:
Correction of displaytext in
Delivery detail.

For VMI-orders, the displayed text for the first two items in the Delivery Detail screens are "Calculated" [Time/Quantity] and "Suggested", respectively For TOM-orders, its "Calculated" and "Demanded". The correct text for POC-orders should be "Demanded" and "Originally Demanded", respectively.

4.9.3 04 WebEDI: CS38
DeliverySchedule transaction,
change behaviour on cancelled
lines

The behaviour when changing cancelled order-line has been changed. Previously, a cancelled line could not be changed, and the resulting error was treated as a severe. Thus the transaction could not complete but was ended with "Processed Error" status. Now, the occurrence of orderlines that have previously been cancelled is treated as the line have never existed in the first place. The cancelled line is moved to finished and the new line takes its place in the order.

4.9.3 04 WebEDI: Update with
CS40 Purchase Order and CS38
Delivery Schedule transactions
fail to give correct order status

The following issues have been solved: 1) The resulting orderstatus from the respective transactions CS40 Purchase Order and CS38 Delivery Schedule is not being changed when an orderline is added to the order. Then orderstatus

could then possibly be misrepresentative. 2) When using autoconfirm for the two transaction mentioned, the resulting orderstatus is always revoked to "Confirmed" if any changes is detected. This status could also misrepresent the actual status of the order.

4.9.3 04 WebEDI:
SalesSubOrderId is missing in
transaction CS42 OrderChanges

In the Transaction CS42 OrderChanges, the attribute OrderLine.SalesSubOrderId was missing. This also affectes PW01 and CS01 transactions. This issue has now been resolved. OrderHead data is also missing in some cases where data is available. (ie Cancel Delivery) Rectified this problem too.

4.9.3 04 PipeChain Client:
Ordertracking for outbound
transactions are implemented

The following order transactions can be tracked in the transaction tab of the order detail screen: Order – CS41
OrderChange – CS42 OrderResponse – CS02
DespatchAdvice – CS03

4.9.3 08 WebEDI: Despatch
missing from Inbound Order
screen after shipping
replenishment order with
transaction
InboundDespatchAdvice PW03

When shipping replenishment order with transaction InboundDespatchAdvice PW03 without purchaseorderid reference, the despatch cannot be found from the order screen, and vice versa. This works fine for purchaseorders as purchaseorderid=orderid, or replenishmentorders where purchaseorderid is stated in PW03. But for replenishment orders the, the despatchinvoicerow created looses its direct link to the order. This means that you cannot find to the order from Despatch rows shown in the Despatch screen, and the despatch is not seen in the "Despatches" tab in Inbound Order Detail-screen.