



Part of Vitec Software Group

RELEASE NOTES

ABSSolute v9.10.00

This document also contains the notes for 9.09.01; 9.09.02 and 9.09.03 project releases.

ABS Laundry Business Solutions

Introduction

Version

Version	Status	Date	By	Changes
1.0	DRAFT	February 2026	JVE	DRAFT version

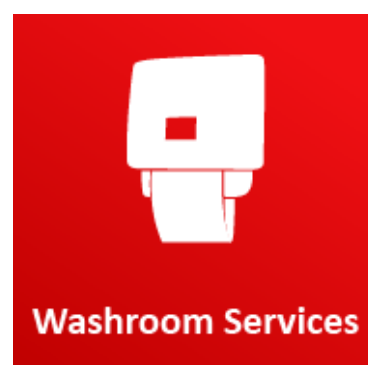
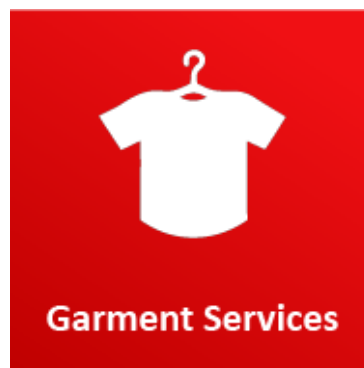
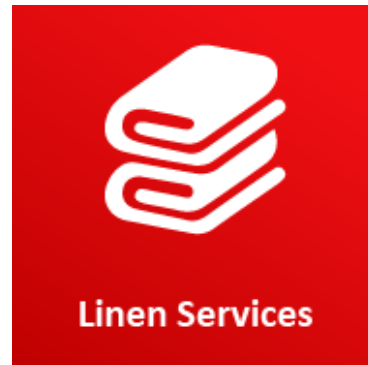
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2 Shortcuts to each main feature

The releases introduce the following main features. You can use a shortcut for the content per business line if you press (CTRL -Click) on one of the buttons below



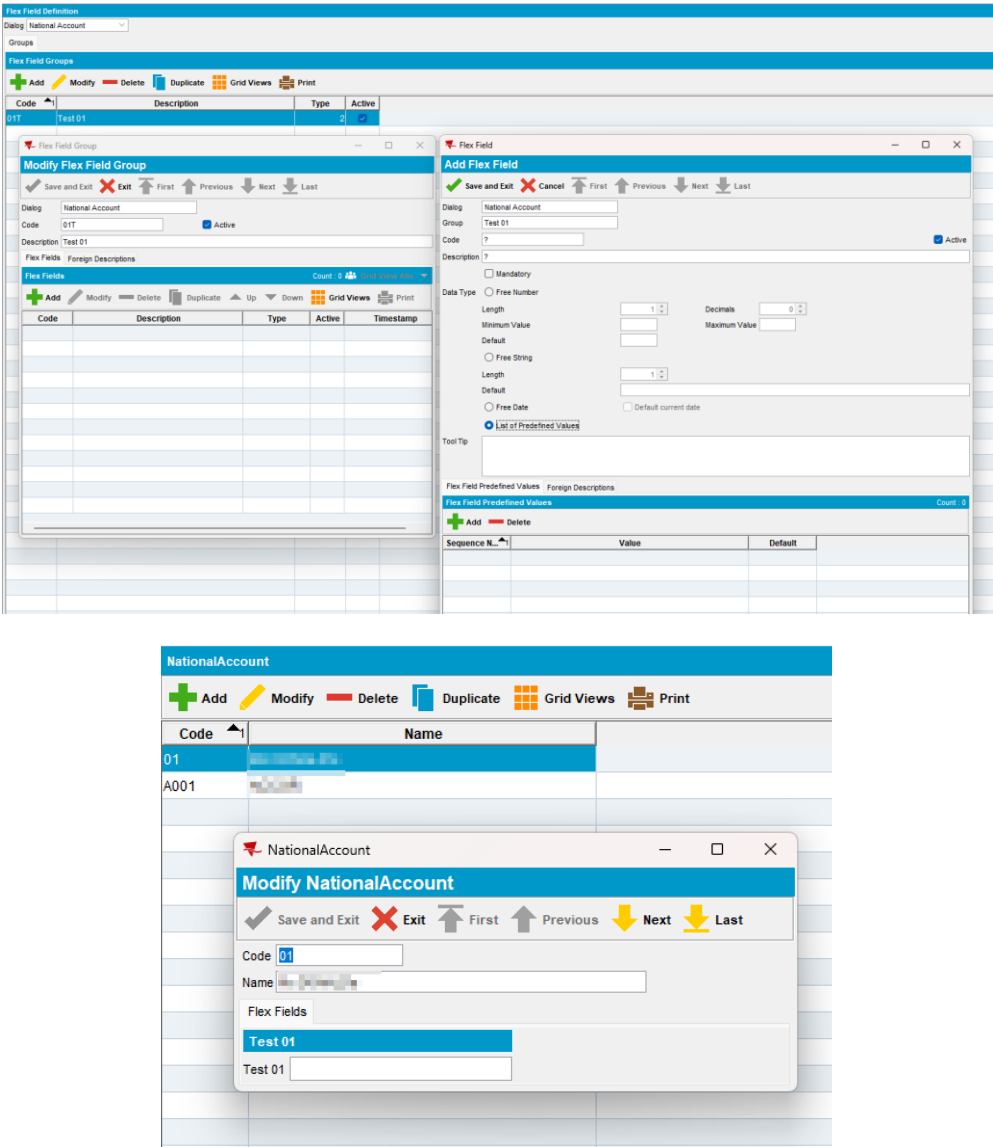
3 General Services

This section contains the main general improvements to *ABSSolute* that cannot be grouped under one specific business line.

3.1 Flex fields for National Accounts

ABS NUMBER	PDM-171
PURPOSE	
AFFECTED DIALOGUES	FlexField & National Account
SYSTEM SETTINGS	-
MODULES	Flex Fields

With this development an extension to the Flex Fields possibilities has been implemented within dialog National Accounts. This Flex Field option is in a Tab when opening the National Account.



3.2 Revenue based invoicing

ABS NUMBER	PDM-13
PURPOSE	Automate revenue-based price adjustments.
AFFECTED DIALOGUES	General Price list, Price list per customer, PLPC
SYSTEM SETTINGS	-
MODULES	REVENUEBASEDPRICING

This release introduces a new **Revenue Based Invoicing module**, enabling automatic price adjustments based on customer turnover thresholds (predefined bands). It will manage revenue-based pricing logic, including band configuration, automated evaluation of turnover, price updates, and audit logging.

General Price List Enhancements

The **General Price List > Wash Price** dialog has been extended with two new tabs:

- **Bands Tab**
 - Allows configuration of revenue thresholds (bands), including code, description, turnover threshold amount, and activation status.

General Price List for WASH

Add General Price List for WASH

Save and Exit Exit First Previous Next Last

Price Type: Wash ☒ Active

Code: 250001100 Usage: ☒ General ☐ Contract ☒ Include in Automatic Price Update

Description: Linen Wash Price Index Code:

Currency: USD | US Dollar

☐ Only Maintained by: ☐ Agreed

☐ Authorized by: Date Active: Date Inactive:

Products In Use By Contracts **Bands** Band Pricing

Volume Bands

+ Add ✎ Modify ✖ Delete 📄 Duplicate 📊 Grid Views 🖨 Print

Code	Description	Turnover Threshold	Active
Band 1	Pricing Band 1	0	☒
Band 2	Pricing Band 2	30,000	☒
Band 3	Pricing Band 3	40,000	☐
Band 4	Pricing Band 4	50,000	☐

- **Band Pricing per Product Tab**

- Enables definition of product-specific prices per band level, including product, band level, price, and start date.

General Price List for WASH

Add General Price List for WASH

Save and Exit Exit First Previous Next Last

Price Type: Wash ☒ Active

Code: 250001100 Usage: General ☒ Include in Automatic Price Update

Description: Linen Wash Price Index Code:

Currency: USD | US Dollar ☐ Contract ☐ Agreed

☐ Only Maintained by:

☐ Authorized by: Date Active: Date Inactive:

Products In Use By Contracts Bands **Band Pricing**

☐ Product Group: ☐ Select: Load

Products Count: 9 Grid View All ☒ Show active only

Code	Description	Band Level	Price	Start Date
L12345	Single Sheet	Band 1	\$1.45	01-11-2024
L12345	Single Sheet	Band 2	\$1.35	01-11-2024
L12345	Single Sheet	Band 3	\$1.25	01-11-2024
L22112	Double Sheet	Band 1	\$2.75	01-11-2024
L22112	Double Sheet	Band 2	\$2.25	01-11-2024
L22112	Double Sheet	Band 3	\$1.75	01-11-2024

Automated Price Update (PL/SQL Procedure)

A new PL/SQL procedure evaluates customer revenue over a defined calculation period and automatically:

- Determines whether a band level change is required
- Updates the current level
- Copies the corresponding band prices to the **Price List per Customer (PLPC)**
- These updated prices are then used in subsequent invoicing cycles.

Price List per Customer – New Tab

A new **Band/Threshold Pricing** tab has been added to the *Price List per Customer* dialog. This tab:

- Displays the current band level
- Stores the number of turnover calculation days
- Shows the last changed date
- Allows manual band adjustments (downward only)
- Supports a mandatory *Locked Until* date when manual changes are made, preventing automatic recalculation during the lock period

If the customer belongs to a master account, the band configuration is controlled at master level and cannot be modified at customer level.

Price Lists Per Customer

Customer 24208 Master Account Currency USD

Prices Discounts/Surcharges

Price List Priorities Wash Rent Replacement Sales Weight Emblems Rent Emblem Repairs Special Charge Budget Protection Service Event Band / Threshold Pricing

Band / Threshold Pricing

Save Cancel

Turnover calculation days 60

Volume Bands

Change Band

Price List	Price List Description	Current band	Last Changed	Locked Until	System User
Linen	Linen Wash	BAND 01	30-10-2024	30-12-2024	User 001
Uniforms	Uniform Wash	BAND 03	30-06-2024		User 001

PLPC Indicator
A visual indicator has been added in **PLPC** to identify products that are invoiced under revenue-based pricing. This applies when the product group is included in a price list band assigned to the customer.

Audit Logging
Comprehensive audit logging has been implemented to record:

- Automatic threshold evaluations (including cases with no level change)
- Automatic band level changes
- Manual band level changes
- Lock/unlock actions

This ensures full traceability of pricing decisions and changes.

3.3 Generic Export Sales Ledger in ORDS

ABS NUMBER	PDM-144
PURPOSE	Standardized AR export thru REST API
AFFECTED DIALOGUES	Maintain AR Invoices
SYSTEM SETTINGS	BOOKKEEPINGSYSTEM
MODULES	

For the customer that require a financial export a new option has been introduced.

Via system setting BOOKKEEPINGSYSTEM and value 15 => Standard ABS REST API WS (Webservice) a new export method has been implemented during the export via dialog Maintain AR Invoices from the second to the third tab:

Date	Invoice#	Real colle...	Customer#	Customer Name	Amount
Apr 8, 2021	2094360	Charge	315700	Demo Hospital ABSLBS	3.180
Apr 8, 2021	2094361	Charge	315700	Demo Hospital ABSLBS	962.130

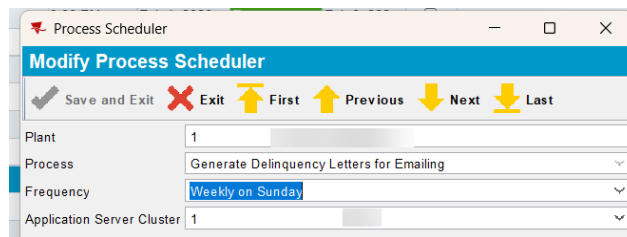
The invoices will be made available via the ORDS interface.

3.4 Scheduled Process to generate Delinquency Letters for Emailing

ABS NUMBER	PDM-253
PURPOSE	To automatically generate delinquency letters for customers whose accounts receivable balance is past due, and set them up for automated emailing
AFFECTED DIALOGUES	Process Scheduler, E-mail Settings, Report Delinquency Letter
SYSTEM SETTINGS	PDFEXPORTPATH
MODULES	DELINQUENCYLETTER

For laundries which maintain their Accounts Receivable in ABS, a new scheduled process has been introduced which allows the laundry to automatically generate Delinquency Letters for customers who are past due and have them set to be automatically emailed via a new satellite application on the server called the Messaging Agent.

This new scheduled process:

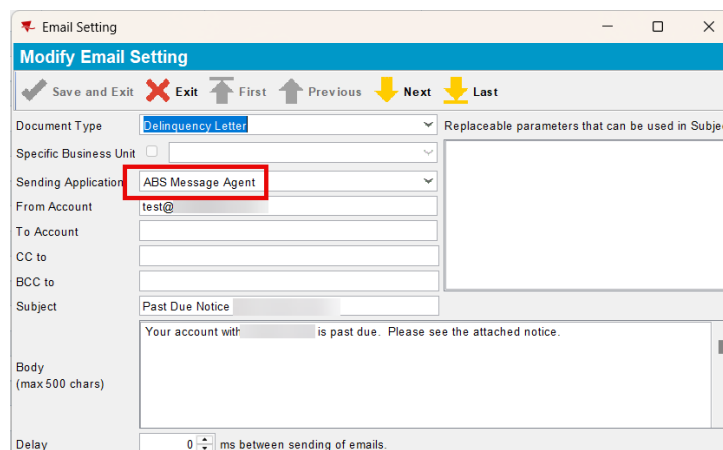


Automatically creates delinquency letters according to the current A/R data in ABS at the time it is run and generates PDF documents using the DelinquencyLetter.RPT report template.

The PDF documents are stored by customer on the server in the folder set in system setting PDFEXPORTPATH.

A record is also created in the database which indicates to the new satellite application Messaging Agent that the document needs to be sent, so it will be automatically picked up by the Messaging Agent for emailing. No separate scheduled process needs to be set up to email these documents.

To email, this new document type must be set up accordingly in E-mail Settings:



IMPORTANT NOTE: The email address to which this document is sent is the Invoice Contact Person for the customer.

3.5 Extension to PEPPOL Interface

ABS NUMBER	PDM-318
PURPOSE	Comply interface with PEPPOL 3.0
AFFECTED DIALOGUES	Customer / Business Unit / Plant / Legal Entity / FlexFields
SYSTEM SETTINGS	CREATEPDFINVOICE /PDFEXPORTPATH/DATABASELOGDIR
MODULES	PEPPOL / EDIFAKTOIO/FLEXFIELDS

The PEPPOL interface has been adjusted to comply with the rules set in PEPPOL BIS Billing 3.0, the existing interface has been extended /adjusted with the following settings:

Legal Entity:

The general information in this dialog will be used for filling in the XML file

Laundry verification in the XML can be done based on the following values available as a flex field:

- VAT (number taken from the general tab)
- COC (number taken from the general tab)
- GLN (=FAX number taken from the general tab)

Business Unit:

The defined legal entity needs to be linked to the business unit

Business Unit

Modify Business Unit

Save and Exit  First  Previous  Next  Last

Co.

Description: TEST!!!! 

PL  

General Activities Note Numbers Stockrooms

General

Division	-	
Region	-	
VAT Number	BE0800471516	
Internal VAT Number	BE0800471516	
Legal Entity	1	

Invoice template path  

Customer:

Customer verification in the XML can be done based on the following values available as a flex field

Modify Relates

✓ Save ✗ Cancel

Number 1 ... Name [Blank] Legacy Customer Number

General Ordering Delivery Garments Garment Charges Web Portal / App Billing Payment Flex Fields

PEPPOL	
PEPPOL	Flex Field Predefined Values
VAT	
GLN	
COC	

- VAT (number taken from the billing tab)
- GLN (number taken from the general tab)
- COC (number taken from the general tab)

The XML generated is compliant with:

- Debit Invoices
- Credit Invoices
- 0% Tax invoices
- Multiple Tax

3.6 Hotkey Shortcut for PLPC

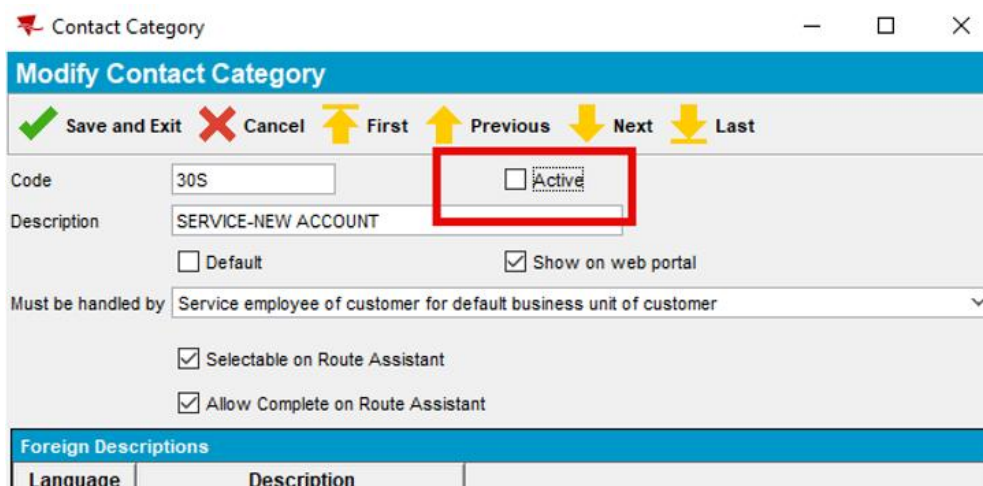
ABS NUMBER	PDM-358
PURPOSE	To restore the hotkey combination for Change Finishing Method in PLPC dialog
AFFECTED DIALOGUES	Product List Per Customer
SYSTEM SETTINGS	-
MODULES	-

In the PLPC dialog, the hotkey combination of CTRL+C to change finishing method has been made available again.

3.7 Option to inactivate Contact Category

ABS NUMBER	PDM-374
PURPOSE	To allow the laundry to deactivate Contact Categories which they no longer wish to have used for contact messages in the ABS client, on the Route Assistant, or via the customer web portal.
AFFECTED DIALOGUES	Contact Category, Contact Manager, Route Assistant, Customer web portal
SYSTEM SETTINGS	-
MODULES	Contact Manager

A new active check box has been added at Contact Category level:



The screenshot shows the 'Modify Contact Category' dialog box. At the top, there are navigation buttons: 'Save and Exit' (green checkmark), 'Cancel' (red X), 'First' (yellow up arrow), 'Previous' (yellow up arrow), 'Next' (yellow down arrow), and 'Last' (yellow down arrow). Below these, the 'Code' field contains '30S' and the 'Description' field contains 'SERVICE-NEW ACCOUNT'. A red rectangle highlights the 'Active' checkbox, which is currently unchecked. Below the description, there are two checkboxes: 'Default' (unchecked) and 'Show on web portal' (checked). A dropdown menu for 'Must be handled by' is set to 'Service employee of customer for default business unit of customer'. At the bottom, there are two checked checkboxes: 'Selectable on Route Assistant' and 'Allow Complete on Route Assistant'. The dialog box also has a 'Foreign Descriptions' section with columns for 'Language' and 'Description'.

If a contact category is made inactive, it is no longer available to be selected by the user when creating a new contact message via the ABS client in Contact Manager, on the Android Route Assistant, or via the customer web portal.

Any currently open/in progress messages whose category has been inactivated will still be displayed and can be acted on, but the inactive category can no longer be selected when creating a new contact message.

3.8 Automated emailed receipts for Credit Card and ACH transactions

ABS NUMBER	PDM-376
PURPOSE	To automatically send emailed receipts for credit card and ACH electronic payment transactions done either via scheduled process in ABS, or one-time payments done via the customer web portal
AFFECTED DIALOGUES	E-mail settings
SYSTEM SETTINGS	CREDITCARDGATEWAY
MODULES	CREDITCARDINTERFACE

For laundries using the electronic payment interface with ABS partner FiServ (previously called CardConnect) which handles recurring automated payments and one-time payments via credit card or ACH via the ABS customer web portal, new functionality has been introduced to allow for automated emailing of receipts to the customer upon processing of these payment transactions.

A new E-Mail setting has been created, called Credit Card Payment Receipt, which must be set up to activate this functionality. The new satellite application Messaging Agent handles the emailing process, so no additional scheduled process needs to be set up to trigger the emailing.

When an electronic payment transaction is processed successfully, a record is written to the database for the Messaging Agent to pick up and send via email to the customer accordingly.

This allows the customer to receive emailed confirmation when their account is charged by the laundry, showing the date, invoice number, their customer number, the dollar amount charged, and the last 4 digits of the account which was charged.

3.9 Allow to modify Market Segment although ERP Integration module in place

ABS NUMBER	PDM-391
PURPOSE	To allow the laundry to manually change the Market Segment field within the Customer dialog although the ERP Integration module is in use
AFFECTED DIALOGUES	Customer
SYSTEM SETTINGS	ERPCUSTOMERINTEGRATION
MODULES	ERPINTEGRATION

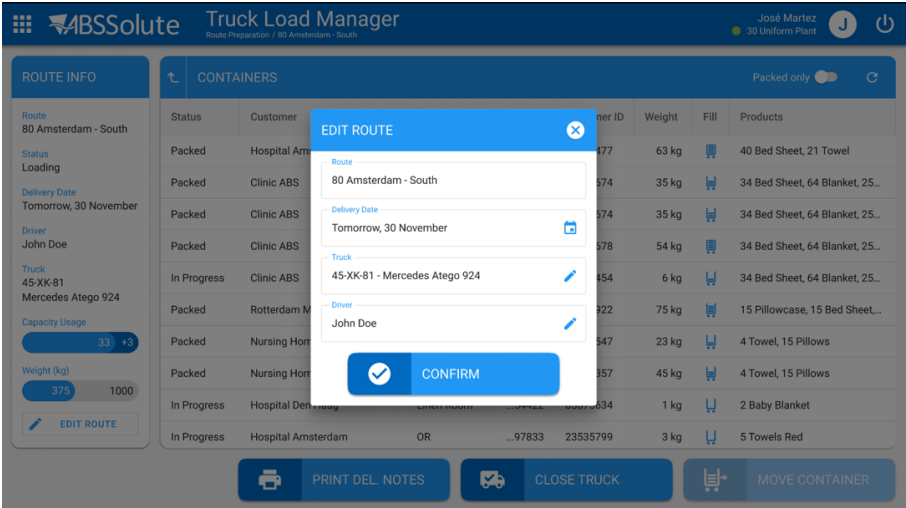
With the system setting ERPCUSTOMERINTEGRATION it is possible to restrict fields being updated manually in the client, but this restriction is removed for the Market Segment field meaning that this field remains to be manual updated.

3.10 Truck Load Manager Improvements

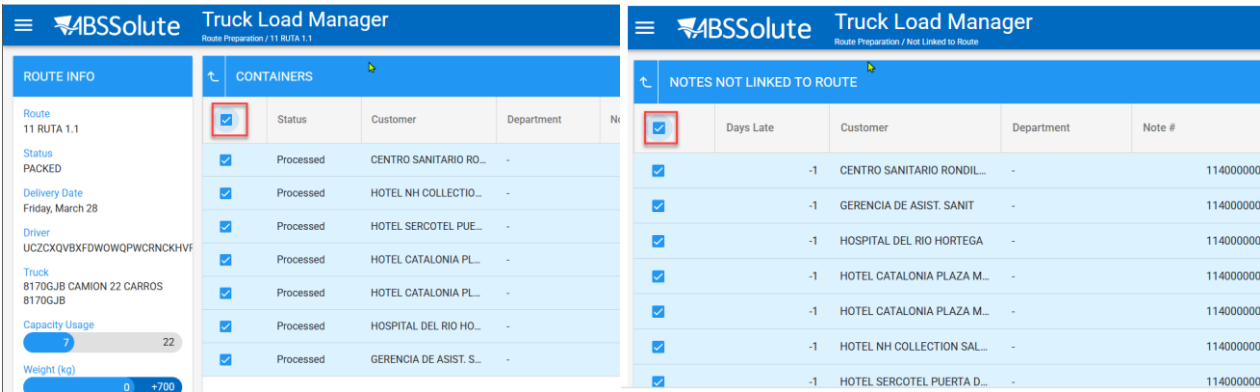
ABS NUMBER	PDM-41
PURPOSE	To enhance the functionality of the Truck Load Manager dialog and allow the user to do more daily tasks in this dialog easier
AFFECTED DIALOGUES	Truck Load Manager
SYSTEM SETTINGS	-
MODULES	TRUCKLOADASSISTANT, LINEN

The Truck Load Manager dialog in the Infinity platform has been improved in three areas to allow for a better user experience and to simplify the work of the logistics manager.

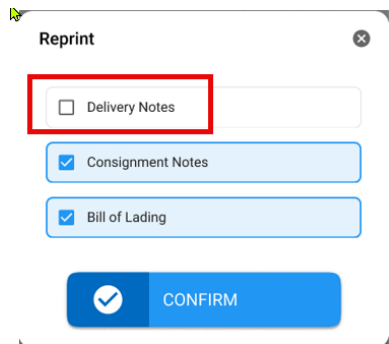
First, a route can be edited directly from the Truck Load Manager now, allowing the user to change the driving date, which truck is being used to drive the route, and who the driver is assigned to the route for that day:



Second, it is now possible for the user to multi-select containers to be moved from one route to another, or multiple not-linked containers to be linked to a route at once. In two screens where the user can select containers to be moved/linked, a multi-select has been added at the top of the grid:



Third, the option to reprint Delivery Notes has been added to the reprint option for the user:



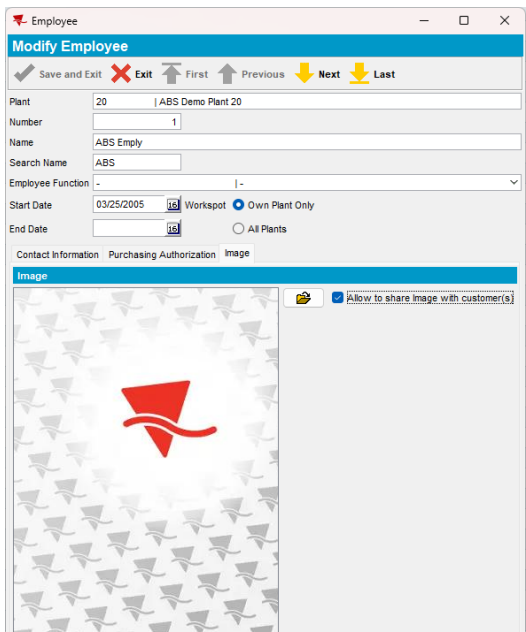
This can be useful if a delivery-note which was attached to a container becomes torn or lost.

3.11 Option to e-mail customers and inform about driver change

ABS NUMBER	PDM-420
PURPOSE	Inform customers within a route when there is a new driver / RSR
AFFECTED DIALOGUES	Employee / E-mail Settings / Customer / Route / Route-Status Control
SYSTEM SETTINGS	-
MODULES	-

We received remarks that there was a need to inform customers in case there was a driver change. For this we implemented a solution that will offer the users handling a drive change the opportunity to send out an e-mail when a driver is changed on its route.

On employee level there is now an option to store a profile photo.



And a new checkbox that will allow the laundry to share the profile photo.

There are also two new e-mail document types:

- 1) One time driver change, this is applicable to driver changes via Route Status Control (1-time)
- 2) Permanent driver change, this is applicable to driver changes via Route level dialog

Add Email Setting

Save and Exit Cancel First Previous Next Last

Document Type: Permanent Driver Change

Specific Business Unit: []

Sending Application: Legacy ABSSolute

From Account: info@abslbs.com

To Account: []

CC to: []

BCC to: []

Subject: Driver change on your route

Body (max 500 chars): []

Delay: 0 ms between sending of emails.

Replaceable parameters that can be used in Subject

- Parameter #A is replaced by Employee Name
- Parameter #B is replaced by Employee Phone Number
- Parameter #C is replaced by Employee Mobile Phone number
- Parameter #D is replaced by Employee Email address
- Parameter #E is replaced by Employee Image

On route level a new button will become available (when a e-mail document type is set) that will allow the user to send an -mail to all customers within that route (that are set to receive this e-mail):

Modify Route

Save and Exit Cancel First Previous Next Last

Plant: 20 | ABS Demo Plant 20

Driving Day: Monday Active

Number: 141 Code on Label: []

Name: ABS Route

General Packing Info Packing Documents Miscellaneous

General Route Info

Depot: SCVE | Service Center Vernier

Driver: []

Truck: 1 | 1 ABS Truck Driver Change

Delivery Scheme: 1W1

District: -

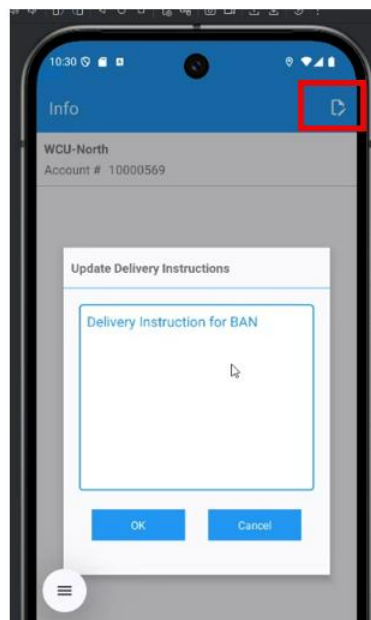
Route Manager: ?

Via Customer dialog. on the “Special” tab a new checkbox was introduced that will state whether this customer would like to be notified about a driver change.

3.12 Route Assistant - Route List Instructions Editable

ABS NUMBER	PDM-455
PURPOSE	To allow the Android RA user to modify the route list instructions on the handheld device
AFFECTED DIALOGUES	Route Stop, Mobile Application Access Template
SYSTEM SETTINGS	-
MODULES	Route Assistant Android

With this development, the Route List Instruction from route stop level can be modified by the driver on the Route Assistant. An edit icon has been added to the Route Assistant screen, and when pressed, a text edit pop up opens, allowing the user to edit/update any existing instructions, or to enter new ones:



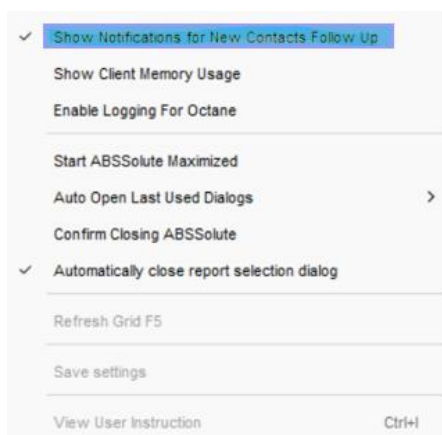
Upon upload, this is then updated to the route stop in ABS accordingly.

Additionally, in the Mobile Application Access Template functionality, an attribute has been added to allow this icon to be hidden/disabled at the MAAT level if desired.

3.13 New contact notification

ABS NUMBER	PDM-436
PURPOSE	Active notification of new follow-up contacts
AFFECTED DIALOGUES	Contact Monitor
SYSTEM SETTINGS	-
MODULES	Contact Manager

Within this version the notification for new contacts has received an improvement. A new option in the top bar has been implemented, with this option the user will receive the pop-up when a new contact has been created and assigned to the user.



On the pop-up a new field has become available => “Not overdue follow up by me” which will count the regular contacts that are not overdue for any action yet.

The screenshot shows the 'Contact Manager Pending Contacts' dialog box. It displays counts for various contact statuses. The 'System User' is set to 'GTA'. The counts are as follows:

Status	Created by Me	Last Updated by Me
New	1	1
In Progress	2	2
Completed	0	0
Reviewed	0	0

Additional counts shown:

- Not Overdue Follow Up By Me: 0
- Overdue Follow up by me: 2
- Overdue Follow up Created by me: 0

Buttons at the bottom: OK (green checkmark) and Open Contacts Monitor (yellow bell icon).

And a new button that will open the Contact Monitor with pre-defined filters:

Contact Monitor

Type

☐ All
☒ Messages (require follow-up)
☐ Notifications (do not require follow-up)

Filter on

☒ Route
☐ Customer

Depot

?

▼

☒ All

Business Unit

?

▼

☐ All

Load

Route

?

▼

☒ All

Customer

?

...

☐ All

Status

☐ All
☒ New
☒ Overdue
☒ In progress
☐ Completed
☐ Reviewed
☐ Closed

Contacts

+

 Add

✏

 Modify

—

 Delete

📊

 Grid Views

🖨

 Print

⬇

 Load More

⬇

 Load All

@

 E-Mail Contact to Follow-Up By

✉

 Email contact person

Date	Call#	Status	Customer ...	Contact P...	Created By	Category ...	Follow Up ...	InProgress...	CloseDate	Follow up by	Departme...	Contact B...	Show On ...	Priori
Sep 18, 20...	1000258	In Progress	APA		GTA	10S	Sep 18, 20...	Sep 18, 20...		GTA		1	☒	Low
Sep 18, 20...	1000255	New	APA		GTA	10S	Sep 18, 20...			GTA		1	☒	Low

To give the user a more visual notification the box in the lower right corner is now blinking blue when a new contact has been received.

[illegible]

3.14 Extend dialog Customer Financial Details with User Instructions

ABS NUMBER	PDM-473
PURPOSE	Show user instructions at dialog Customer Financial Details
AFFECTED DIALOGUES	Customer Financial Details
SYSTEM SETTINGS	-
MODULES	-

From this version the dialog Customer Financial Details has been extended to show User Instructions.

3.15 Implementation of Positek Communication

ABS NUMBER	PDM-57
PURPOSE	Option to connect Positek UHF readers based on TCP/IP connection
AFFECTED DIALOGUES	
SYSTEM SETTINGS	
MODULES	

Based on numerous requests from the US market the application has been extended to be able to connect to Positek UHF readers based on TCP/IP connection. The protocol for the connection is EPC + CRLF. The connection can be made to the ABSSolute server, the Peripheral Agent and Infinity.

3.16 Extend Plant Specific Product Setting - theoretical weight

ABS NUMBER	PDM-187
PURPOSE	Support both metric and imperial as units of measurement for theoretical weight
AFFECTED DIALOGUES	Plant Specific Product Settings
SYSTEM SETTINGS	-
MODULES	

For customers that have plants that use both the metric vs the imperial system the Plant Specific Product Settings has been extended with theoretical weight settings.

Plant Specific Product Settings

Plant | ABS Demo Plant ▼
Product Group | Bedding ▼

Product Specific Settings
Size Specific Settings
Product Group Specific Settings

Product ...

Save
 Cancel
 Grid Views
 Print

Code ▲	Description	Size Code	Size Desc...	Def. Theoretical Weight	Specific Theoretical Weight
000002	Wrap cloth - linnen	L	King	0.2500	
000112	Pillow case Matilda	-	-	0.0000	
000511	Sheet	80X190	80X190	0.0000	
000511	Sheet	80X200	80X200	0.0000	
000512		80X190	80X190	0.0000	
000512		80X200	80X200	0.0000	
000611	Pillow Case	70X30	70X30	0.0000	
000611	Pillow Case	80X30	80X30	0.0000	
880226		-	-	0.0000	
880227	Pillow case MB	-	-	0.0000	
880228	Bath towel MB	-	-	0.0000	
ANF300	Sheet 100x220 White	-	-	0.0000	
T01	SHEETS TEST	-	-	0.0000	
T02	Pillow Case TEST	-	-	0.0000	

Now on product size level the theoretical weight can be set, but this is only a value. Via a system setting on plant level this will eventually say if this is kg or lbs.

But that differs in actual weight. Therefore, on Plant Specific Product Setting the value can now be set that is applicable to the plant.

In the next stage / release the Infinity screen Confirm Container Packing will be modified to also take this new setting / location into account when calculating theoretical vs. actual weight.

3.17 Email Delivery note with signature after RA visit marked complete

ABS NUMBER	PDM-592
PURPOSE	Email delivery notes with signature details after visit completion.
AFFECTED DIALOGUES	Delivery Note
SYSTEM SETTINGS	-
MODULES	SENDEMAILDELIVERYNOTE

This enhancement ensures that when a Route Assistant (RASA) visit is marked as completed, the customer automatically receives the delivery note including the captured signature details. After the driver presses the departure button, the visit status, signature image, signer initials, and timestamp are synchronized to ABSSolute and stored.

A new/extended Process Scheduler works in combination with the system setting SENDEMAILDELIVERYNOTE (Option 3). When this option is selected, the scheduler waits for the completed visit and available signature data, regenerates the delivery note PDF to include the signature details, and then compiles and sends the email to the customer.

With this new option, the delivery note is sent only once — after regeneration with signature information — preventing customers from receiving an unsigned version followed by a signed version.

3.18 Invoices bundled when emailed

ABS NUMBER	PDM-746
PURPOSE	The purpose is to send individual emails, even in cases where multiple recipients use the same email address.
AFFECTED DIALOGUES	Maintain Invoices / System Settings
SYSTEM SETTINGS	EMAILCOMBINEPERIODINVOICE
MODULES	-

This setting controls whether individual periodical invoices that have a split-up code (even when belonging to different Customers and/or Cost Centers) that are supposed to be sent to the same email address, should be sent as multiple emails or if they should be combined into 1 single email.

Additionally, with this system setting, invoices can now be emailed individually via Maintain Invoices, even if they belong to a group of split invoices. Previously, selecting a single invoice in the grid would send the entire group. Now, only the selected invoice will be sent.

- 0 = The invoices will be sent one by one (default)
- 1 = The invoices will be combined into 1 single email

3.19 Redefine Gender (New fixed file)

ABS NUMBER	PDM-79
PURPOSE	Flexible way of defining genders to meet legislation in some countries.
AFFECTED DIALOGUES	Gender (New)
SYSTEM SETTINGS	-
MODULES	-

The “Gender” selection and application within ABSSolute have been modified. Where the application previously contained a pre-defined number of selectable genders this now has been modified for the customer to be able to set their own to be selectable entries. Within a new dialog the applicable genders can be setup.

Gender		
 Add  Modify  Grid Views  Print		
Code	Description	Active
B	Non-Binary	☒
F	Female	☒
M	Male	☒
N	Not known	☒

Via the dialogs where a gender must be set this has now been changed to a dropdown menu based on the available set choices:

 Wearer				Code Description	
Modify Wearer  Save and Exit  Exit  First  Previous  Next  Last  Add Employment  Delete				B Non-Binary	
F Female				M Male	
N Not known				N Not known	
Customer 100				Start Date 08/27/2024	
Wearer# 1				End Date	
Name 1				Gender N	
☐ Dummy For Pool Garments					

3.20 System User with Multifactor Authentication

ABS NUMBER	PDM-867
PURPOSE	Make Multifactor Authentication possible for System Users
AFFECTED DIALOGUES	System User / User Role
SYSTEM SETTINGS	MULTIFACTORAUTHENTICATION
MODULES	

Security plays a large role. From now it is possible to enable Multifactor Authentication on system user level. With the new system setting MULTIFACTORAUTHENTICATION a new option on system user level will become available:

The screenshot shows the 'Modify System User' window. The 'Full Name' field contains 'Jeroen'. The 'Login Name' field is empty. The 'User Group' is 'ABSADM' (ABS administrator). The 'Language' is 'EN_US' (English (United States)). The 'Remark' field is empty. The 'Active' checkbox is checked. The 'System Administrator' checkbox is checked. The 'Password Settings' tab is selected. The 'Password' field is masked with asterisks. The 'Retype password' field is also masked. The 'Expires Every' field is set to '0' days. The 'Two Factor Authentication Required' checkbox is checked and highlighted with a red box. The 'Status' section shows 'Locked Out' is unchecked, 'Logged In Now' is checked, and 'User Need to Change Password with Next Login' is unchecked.

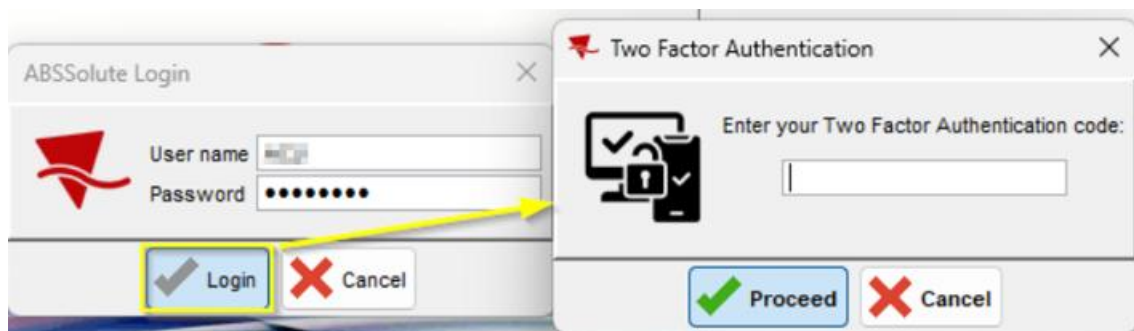
With this setting available and enabled the next time this system user logs he or she will be prompted to connect an authentication application => like the Microsoft Authenticator or the Google Authenticator.

The screenshot shows the 'Two-Factor Authentication Setup' window. It contains the following steps:

- Download on your smartphone an authenticator app and start it. (Use Google Authenticator, Microsoft Authenticator, Authy etc.)
- Click on 'Add account' and scan the following QR code with your camera. (A QR code is displayed)
- Or manually enter the following secret code: QXCVB6LNS... (The code is partially visible)
- Enter the code shown by your application below and click ACTIVATE. (An input field for the code is shown)

 At the bottom, there is a green 'ACTIVATE' button. In the background, an 'ABSSolute Login' dialog box is visible, showing 'User name' and 'Password' fields, and 'Login' and 'Cancel' buttons. A yellow arrow points from the 'Login' button in the background to the 'ACTIVATE' button in the foreground.

Any subsequent login would then require an additional entry of the 6-digit code to verify the identity of the system user:



To prepare the ABSSolute ecosystem for the future the Multifactor Authentication has also been set on the User Role level.

Now the User Role only affect ABSSolute Infinity but that will change in the future.

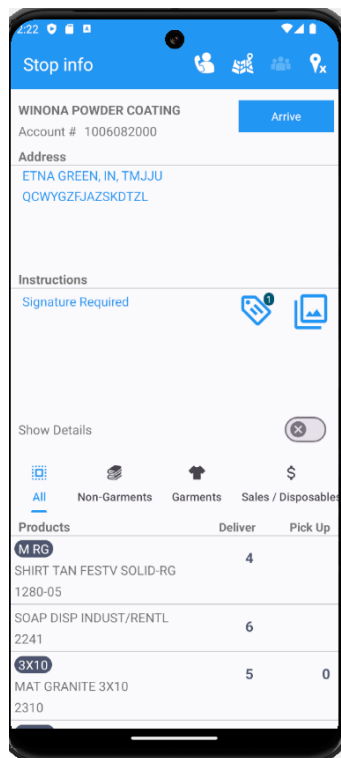
The screenshot shows a 'User roles' configuration window. At the top, there's a 'Modify User roles' header with navigation buttons: 'Save and Exit', 'Exit', 'First', 'Previous', 'Next', 'Last', and 'Audit'. Below this are input fields for 'Code' (containing '10'), 'Description' (containing 'TEST'), and 'Role Group' (a dropdown menu showing 'FULL ACCESS | full access'). There are also checkboxes for 'Active' and 'Multi Factor Authentication Required', both of which are checked. A 'Remark' text area is on the right. Below the form fields are tabs for 'Templates', 'System Users', and 'User Groups'. The 'Templates' tab is active, showing a table with columns 'Dialog', 'Code', and 'Description'. The table has one row: 'Clean Return Bundle' with code '1' and description 'full access'. Above the table, there are buttons for 'Add', 'Delete', 'Grid Views', and 'Print'. A status bar at the top right of the table area says 'Count : 1' and 'Grid View All'.

3.21 Route Assistant – functional improvements

ABS NUMBER	PDM-86
PURPOSE	Create an overview at the RA to show the RSR/Driver what products needs to be delivered.
AFFECTED DIALOGUES	-
SYSTEM SETTINGS	-
MODULES	RASA

With this development we implemented a “carousel” like tab system on the first arrival page on the Route Assistant. This will provide de RSR / driver an overview of the products that are to be delivered.

The tab pages are available based on the types of merchandise available within the ABSSolute client.



3.22 Contract – Special Charge on Weight

ABS NUMBER	PDM-830
PURPOSE	Make Special Charges available for Weight in Contracts
AFFECTED DIALOGUES	Contracts
SYSTEM SETTINGS	SETTLEMENTACTIVE
MODULES	CONTRACT

To keep the Contract dialog consistent with the rules of the Special Charges dialog, special charges of frequency 10 (per registered weight) should be allowed to be added to contracts only if SS SETTLEMENTACTIVE = N.

Assign special charges to contract

Save and Exit Cancel

Available special charges						Selected special charges					
Co...	Descripti...	Type	Frequency	Amount	Percent...	Code	Descripti...	Type	Frequency	Amount	Percent...
01	INVMPERC	Percentage	Every Inv...		13.44						
02	INVMPER...	Percentage	Every Inv...		700.00						
155	Special C...	Percentage	Every Inv...		15.00						
BM6-2	BM6 2 day...	Fixed Amo...	Weekly	0.000							
						100	Per weight	Fixed Amo...	Per Registered Weight	0.100	

3.23 Completeness Check Scans and Counts dialog

ABS NUMBER	PDM-123
PURPOSE	Show the information on how to pack the customer (transport article) based on information defined at Consumption Point Logistics
AFFECTED DIALOGUES	Completeness check Scans and Counts
SYSTEM SETTINGS	-
MODULES	-

Transport article and description are now available in the grid settings:

Completeness Check Scans And Counts

Business Unit Processing: Internal

F12 Routes per date F2 Route F3 Customer

ID Code: Route: Customer: 11000 Delivery Point: 1 110003.Hotel GI All Route Date: 03/13/2025

Scans And Counts Per Customer

Mark all Unmark all F4 Completeness F6 Container Stickers F8 Generate Delivery Notes Grid Views Print

Depart...	Description	Cons. Poi...	Cons. Point De...	Del Point	Delivery Point	Overall Dif...	Counts IN	Counts OUT	Next Deliv...	Scans IN	Scans OUT	Total Diffe...	Total IN	Total OUT	Transport Article Code	Transport Article Description
1		1	Hotel	12	1	110003.Hotel G	0	0	0	Mar 13, 2025	0	0	0	0	0	

Products: F7 Outscan F9 Count F3 Load Products Grid Views Print

Prod... Product De... Size Code Finishing M... Counts IN Counts ... Counts ... Scans IN

Customize table - Scans And Counts Per Customer

Modify Grid Views - Scans And Counts Per Customer

Columns: My Views, Shared Views

Columns Current View

Current Shared View: All

- Description
- Cons. Point#
- Cons. Point Description
- Del Point Code
- Delivery Point Description
- Overall Difference
- Counts IN
- Counts OUT
- Next Delivery Date
- Scans IN
- Scans OUT
- Total Difference
- Total IN
- Total OUT
- Transport Article Code
- Transport Article Description
- Truck Load Position

Select All Deselect All Up Down Store Column Settings for current View Note: This is a shared view.

OK Cancel

The transport article and description are based on the entry that is made in the consumption point logistics:

Consumption Point Logistics

Customer | 110003 | Hotel
Currency: EUR

Consumption Point Logistics

Modify
Grid Views
Print
Load More
Load All

Department Num...	Department Description	Consumption P...	Consumption Point Description	Last Pack...	Deliver St...	System U...	Timestamp	Plant Dep...
1	-	1	Hotel	Aug 8, 2019		SYSADM	Mar 19, 20...	

Consumption Point Logistics

Save and Exit
Exit
First
Previous
Next
Last

Customer | 110003 | Hotel
Last Packing Date | Aug 8, 2019

Department | 1 | -
Consumption Point | 1 | Hotel

Deliverly Standards
Stock Levels / Ordering sequence
Inventory
Visits
Pending Deliveries

Transport Art. | CONTAL | Container
Number Of Transport Articles | 1

Plant Departm... |
Truck Load Position

☐ Deliver Sterile
☐ Clean Return

☒ Show products having qty of 0 on packing not
☒ Correct with next delivery
☒ Shortages
☒ Over Deliveries

Completeness Check Scans And Counts

Business Unit Processing

Internal

F12 Routes per date : F2 Route : F3 Customer

ID Code

Customer: 110003 Delivery Point: 1110003,Hotel GI All Route Date: 03/20/2025

Route

Packing Department: <All>

Packing Department: <All>

Count: 1 Grid View All

Mark all

Unmark all

F4 Completeness

F6 Container Stickers

F8 Generate Delivery Notes

Grid Views

Print

Depart...	Description	Cons. Poi...	Cons. Point De...	Del Point ...	Delivery Point ...	Overall Di...	Counts IN	Counts OUT	Next Deliv...	Scans IN	Scans OUT	Total Diff...	Total IN	Total OUT	Transport Article Code	Transport Article Description
1		1	Hotel	1	110003,Hotel GI	0	0	0	0	0	0	0	0	0	9CONTAI	Container

3.24 Infinity – Direct Load – “Add Container button”

ABS NUMBER	PDM-321
PURPOSE	Possibility to manually add new empty containers for loading bundles.
AFFECTED DIALOGUES	Infinity – Direct Load & Pack Bundles
SYSTEM SETTINGS	MULTIFACTORAUTHENTICATION
MODULES	-

Within the Infinity screens Direct Load and Pack Bundles it was already possible to “trigger” a new container by scanning a product from a different product group. This was possible to physically separate certain products in different containers if that was requested by the customer.

This trigger moment can now also be initiated by the operator / user via a new button “Add Container”.

Pack Bundles

All Laundry Office 30
M

1

000852

Customer Marius

132.00 Kg

+ ADD CONTAINER

Scan Bundle

Scan Bundle

Last Scanned Code
000000006694
Garment 4 Marius medium firmeth*

NO UNIQUE ID

PRODUCTS

Description	Subjects	Bundles	Packed	
Garment 4 Marius medium			1	1
tricou de coccalar M		2	0	0
Garment Marius 7 small		1	0	0
Non garment 3 Marius 1234567890		4	0	0

W

PACKED

4 [Linen Services](#)

This section outlines the primary linen-specific enhancements to ABSSolute.

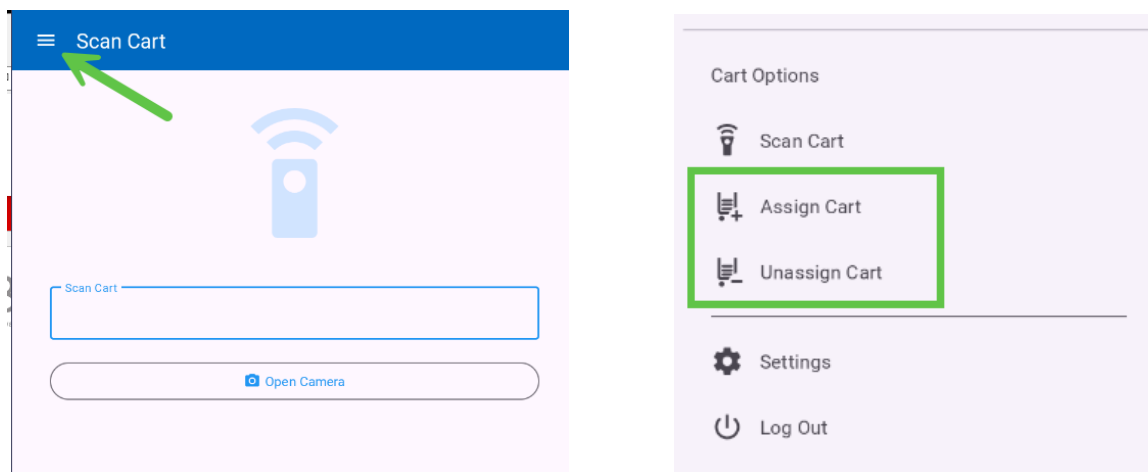
4.1 Exchange Cart App – New functions

ABS NUMBER	PMD-312
PURPOSE	Add functions to Exchange Cart App (ECA)
AFFECTED DIALOGUES	Exchange Cart App (ECA) v1.5
SYSTEM SETTINGS	-
MODULES	Exchange Cart

From this version there are two new functions to the Exchange Cart App (ECA) v1.5.

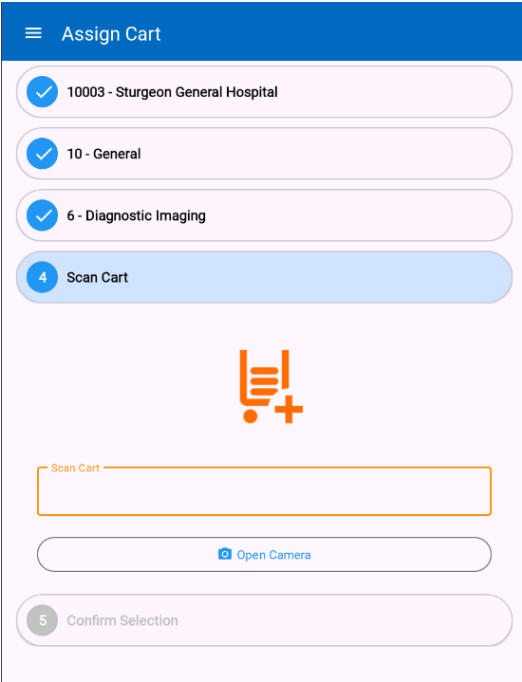
- Assign Cart – Connecting a container to a Customer/Department/Consumption Point to start the Exchange process
- Unassign Cart – disconnecting a container from a Consumption Point.

New menu options are available in the app by clicking on this menu button (top-right corner).

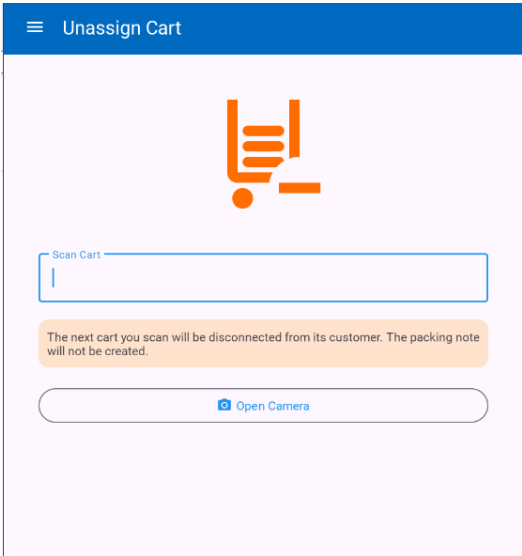


In the 'Assign Cart' screen. You choose the customer, department, and consumption point. ECA will validate if this consumption point is eligible for an exchange cart*. Then scan the container (cart barcode). ECA assumes you are starting from an empty container, and therefore it will print out a packing note for the full Standard Delivery/Norm Stock quantities.

*Consumption Points eligible for exchange carts have a standard delivery or norm stock products set to the ‘Count’ method, and with positive quantities for the day chosen in ECA.



In the Unassign Cart screen, you can disconnect a container from the consumption point. You can do a clean return weigh first, so that the customer gets credit for the clean linen they returned. After unassigning, the container will be available to assign to a new customer, department, and consumption point.



4.2 Exchange Cart App – functional improvements

ABS NUMBER	PDM-32
PURPOSE	Improved handling and ergonomics
AFFECTED DIALOGUES	-
SYSTEM SETTINGS	-
MODULES	Exchange Cart Assistant

The Exchange Cart Assistant functionality has been adjusted in such a way that the delivered qty will be based on the total quantity of products within the exchange cart. No longer the quantity used for topping up.

The Exchange Cart Assistant can now be used in landscape mode and is connected to the Local Print Server so can print documents. In this case the Packing Note required after counting the number of products still available within the exchange cart.

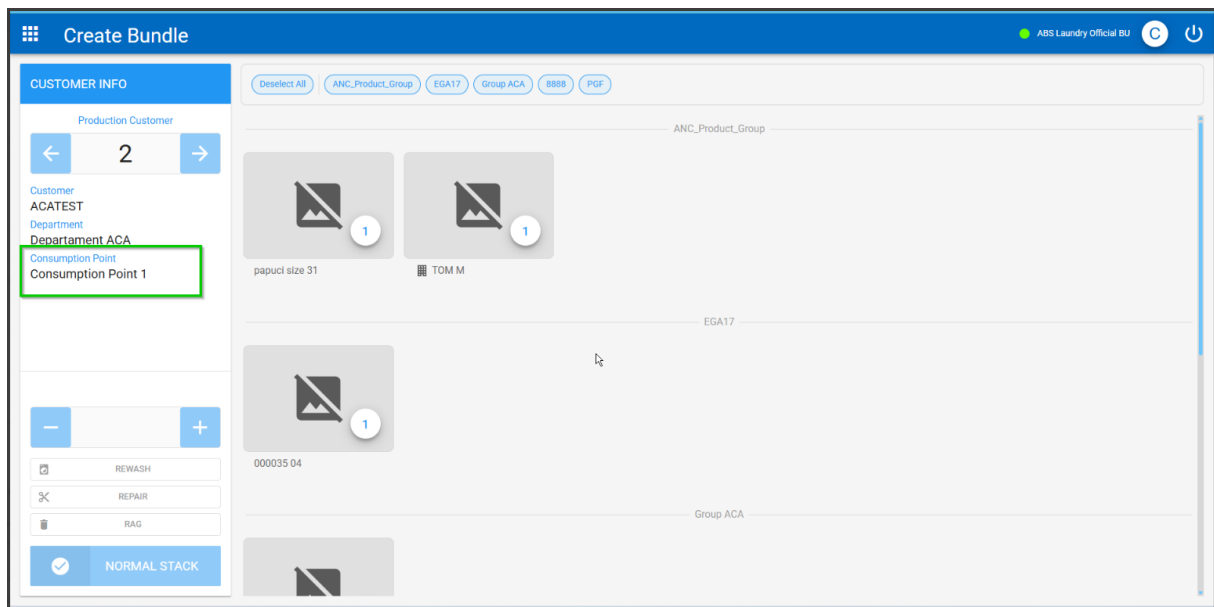
And the Exchange Cart Assistant will, based on the products counted, trigger a process that will retrieve open weighing transactions created via Infinity Clean Return Weighing and process this.

Based on the container ID, the products counted and therefore the applicable weighing categories the weighing ticket will be created in the background.

4.3 Infinity - CPL description in Create Bundle screen

ABS NUMBER	PDM-821
PURPOSE	Show CPL information in create bundle screen
AFFECTED DIALOGUES	Create Bundle (Infinity)
SYSTEM SETTINGS	-
MODULES	UNIQUEBUNDLES

In the Create Bundle screen in Infinity, the consumption point information has now been added for each department. So, in addition to the customer and department details, the selected consumption point is now also displayed.



4.4 Infinity – Insert chips from third party (Unique bundles)

ABS NUMBER	PDM-763
PURPOSE	To allow for third-party integration for creation of unique bundles and verification of product, bundle quantity, product mix and UHF chip validity via API call and response
AFFECTED DIALOGUES	Unique Bundles
SYSTEM SETTINGS	N/A
MODULES	Meridian

A new ORDS API for plant production has been introduced, which allows a third-party vendor to interface with the ABS database for the purpose of creating unique bundles for chipped non-garment items, and perform validations on the scanned unique items.

The interface allows the third-party vendor to send unique item scan data to ABS, and ABS will validate if all the chips are known, are the same product, and the quantity of unique items is equal to the bundle size of that product/size as configured in ABS.

If all validations pass, the interface will create a new unique bundle in ABS, link the unique items to that bundle, and pass the bundle number, product code, size and description back to the external system.

If any validation fails, the interface will pass a corresponding error message back to the external system for error handling accordingly.

4.5 Infinity – Container Packing

ABS NUMBER	PDM-802
PURPOSE	New Infinity screen to handle large 'bulk' packing notes
AFFECTED DIALOGUES	Container Packing
SYSTEM SETTINGS	-
MODULES	Linen

From this version there is a new Infinity screen 'Container Packing'. The purpose of this new screen is to handle large 'bulk' packing notes. Orders that would usually go to a linen room or to a customer located a far distance from the laundry and therefore would like the containers packed as full as possible.

- Pack multiple containers per packing note (order)
- Tracks the contents (products) per container
- As containers are packed, the 'To Do' field is updated with the quantity left to pack
- Notes can stay 'In Progress' and editable until the 'Close Note' button is pressed. Or until the notes are closed in another manner.
- Prints one delivery note per container, showing the contents and weight of the container

ABSSolute Container Packing 30 Uniform Plant J

PACKING NOTE

Packing Note # 6456575 X

CLOSE NOTE

Status New

Delivery Date Fri, 06/05/22

Customer Hospital Amsterdam

Packing Instructions
Please seal container when packed. Attach delivery note at eye level.

PRODUCTS Show packed FILL CONTAINER

Containers	Product Code	Size	Description	Ordered	Packed	To do
1 ...4768292593	HC110R	66x115	Sheet Hospital White	60	0	60
	HC1200R	30x40	Pillowcase 80/20 Blend	50	0	50
	HC2010R	18x71	Towel Bath Special White	65	0	65
	HC2202R	66x115	Blanket Thermal White	37	0	37
	HC3000	40x60	Baby Blanket	15	0	15
	HC2040	12x12	Washcloth	50	0	50

+ Add

|| PARK

✓ PACKED

4.6 Allow out scans on a delivery note when direct invoice is already generated

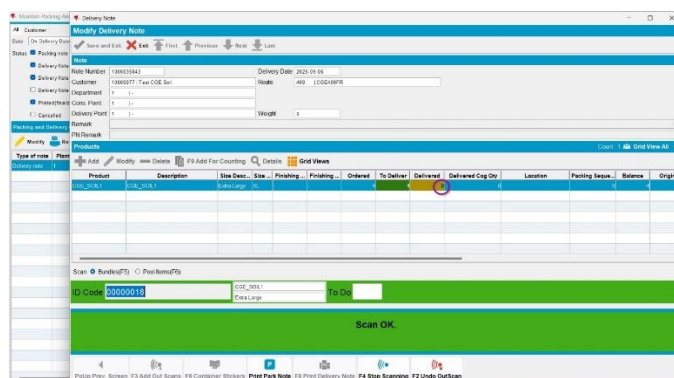
ABS NUMBER	PDM-475
PURPOSE	Add out scans (unique bundles and pool items) on a delivery note which is already connected to a direct invoice
AFFECTED DIALOGUES	Delivery note
SYSTEM SETTINGS	-
MODULES	UNIQUEBUNDLES

From this version it is possible to outscan bundles and pool items on a delivery note even though a direct invoice is created.

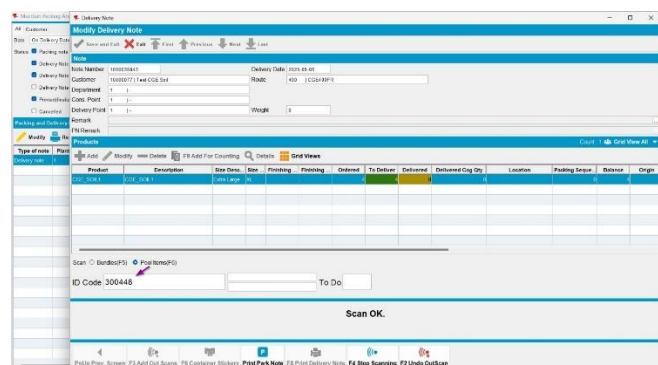
Example: Direct invoices are generated on a route.

Monday, week 37	224 Completed	Completed	Not Started	Completed	Monday, week 37
Tuesday, week 36	400 In Progress	Not Started	Not Started	Not Ready f.	Tuesday, week 36
Thursday, week 36	400 In Progress	Completed	Not Started	Not Applicab	Thursday, week 36
Wednesday, week 36	2 Put Up Print	Completed	Not Started	Transferred	Wednesday, week 36
Monday, week 36	1 Completed	Completed	Completed	Not Ready f.	Monday, week 36
Monday, week 36	2 No Put Up P.	Not Started	Not Started	Not Ready f.	Monday, week 36
Thursday, week 35	1 No Put Up P.	Not Started	Not Started	Not Ready f.	Thursday, week 35
Monday, week 35	1 Completed	Completed	Completed	Not Ready f.	Monday, week 35
Monday, week 35	2 No Put Up P.	Not Started	Not Started	Not Ready f.	Monday, week 35
Monday, week 35	224 Completed	Completed	Completed	Completed	Monday, week 35
Monday, week 35	1 Completed	Completed	Completed	Completed	Monday, week 35

The (F4) Outscan button is available for Bundles:



The (F4) Outscan button is available for Pool Items:



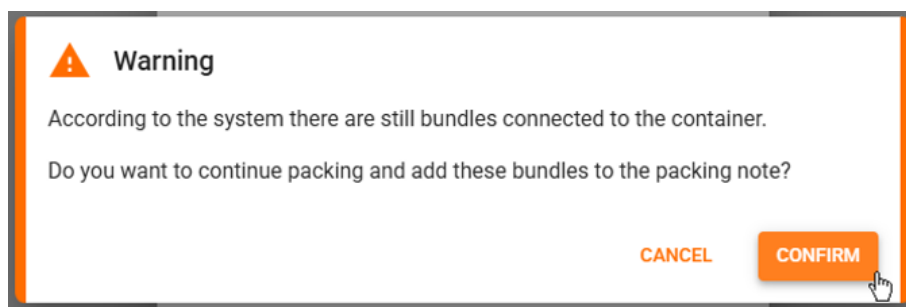
4.7 Infinity - Confirm Packing –Scan container and add linked bundles to packing note

ABS NUMBER	PDM-590
PURPOSE	Adding complete containers with linked bundles to a packing note.
AFFECTED DIALOGUES	ConfirmPackingDlg – Linen packing flow
SYSTEM SETTINGS	-
MODULES	Ergon Linen; KNT – Container recording

In Linen packing, containers often arrive with bundles already registered in the system. Previously, operators had to scan each bundle individually into the packing note.

With this change, when a container is scanned in Confirm Packing, the system can automatically add all bundles that are still linked to that container to the current packing note, but after user confirmation. This will reduce the number of scans required when processing containers holding multiple linen bundles already registered in the system.

When a container is scanned in Confirm Packing the system checks whether there are bundles linked to that container. If bundles are found, next confirmation message is shown:



If you press cancel the container is not accepted at all, if you press confirm the container is accepted and the bundles are added to the packing note. In this way bundles are moved from the container to the packing note in a controlled way.

5 Garment Services (including stockroom functionality)

This section outlines the primary garment-specific enhancements to *ABSSolute*, including stockroom functionality

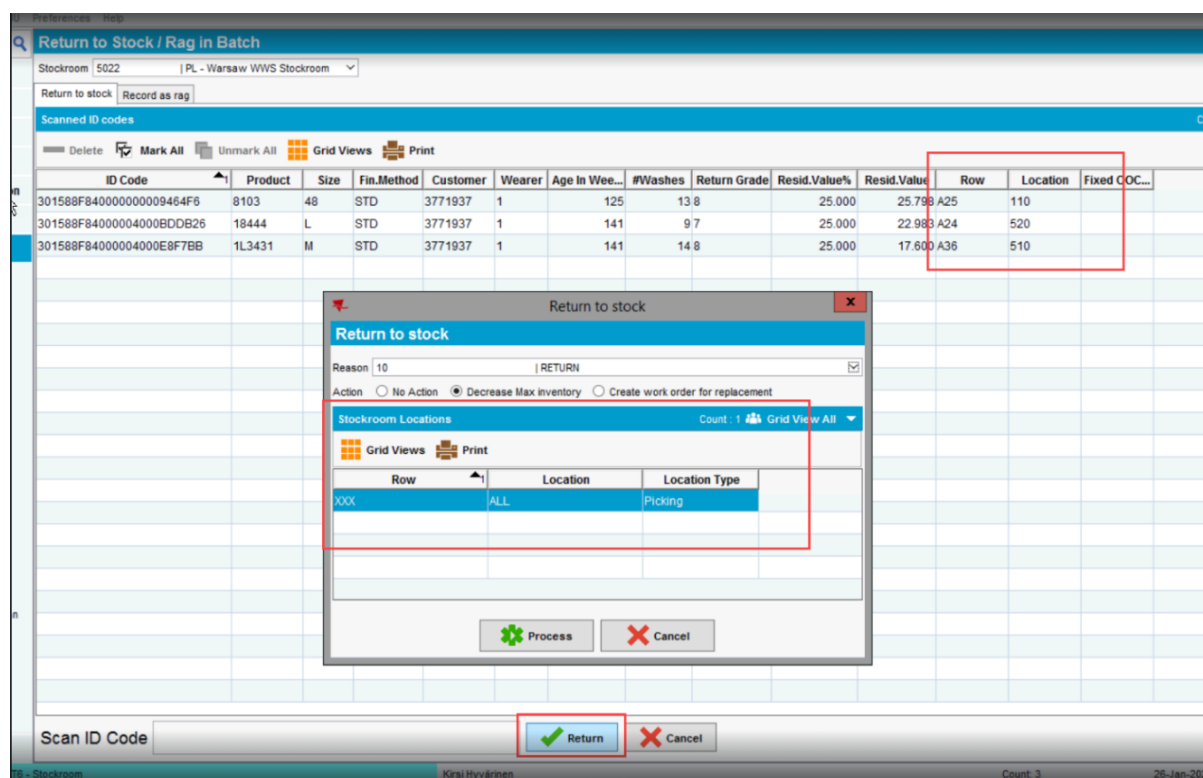
5.1 Take items Out of Circulation in Batch

ABS NUMBER	PDM-121
PURPOSE	Improvements to the location selection when taking items out of circulation in Batch
AFFECTED DIALOGUES	Take Items Out of Circulation in Batch
SYSTEM SETTINGS	-
MODULES	Stockroom

We made some changes to the display of Stockroom locations in the dialog “Take Items Out of Circulation in Batch.

Currently when an item is taken out, it returns to a general overflow location, but it should be returned to the standard locations that are defined. Only if no standard location is defined the overflow location must be visible.

With this development the items are stored back to the standard locations that have the highest priority. The items that do not have a standard location defined will be stored into the overflow location.



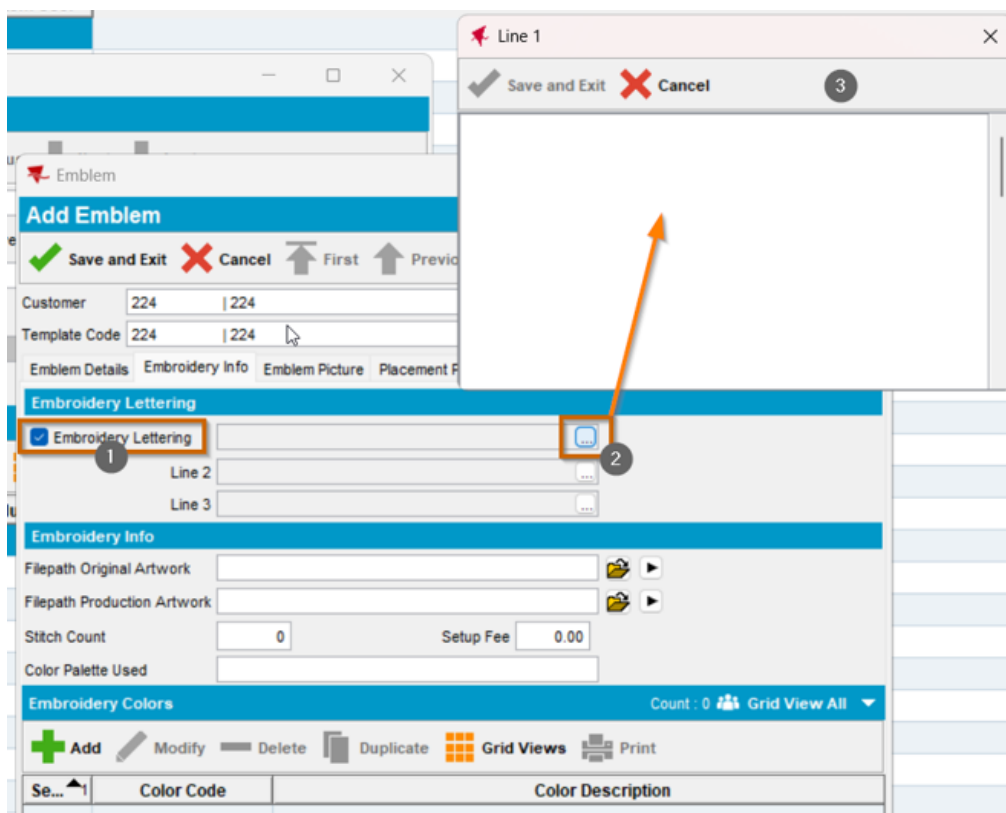
This improvement will result in a more logical behaviour of the system.

- 1: Choose the standard locations first, based on priority.
- 2: Only choose Overflow location for those items that do not have a standard location defined.

5.2 Embroidery Lettering Field Size Extension

ABS NUMBER	PDM-393
PURPOSE	To allow for additional characters in the embroidery lettering fields for emblem templates
AFFECTED DIALOGUES	Emblem Template, Wearer, Work Order, Issue Garments
SYSTEM SETTINGS	N/A
MODULES	EMBROIDERYLETTERING

For the module EMBROIDERYLETTERING, the size of the fields for each of the three embroidery lettering lines has been increased to 80 characters per line:



The displays for the embroidery lettering in the corresponding dialogs throughout ABS has also been extended to display the full length of these fields.

5.3 Extra filters Work Order Status Control (WOSC)

ABS NUMBER	PDM-341
PURPOSE	Adding extra filters in WOSC, product tab
AFFECTED DIALOGUES	Work Order Status Control
SYSTEM SETTINGS	-
MODULES	-

To further improve user experience in the Work Order Status Control dialog, the product tab has been extended with 3 new filter options.

Newly added filter options:

- Product
- Customer
- Reference
 - o Show only not completed

5.4 Add workorder number at OK message when order is created via a webservice

ABS NUMBER	PDM-401
PURPOSE	Extension of the OK message when a work order is created via a webservice
AFFECTED DIALOGUES	-
SYSTEM SETTINGS	-
MODULES	REST WEARER

When a workorder is created via the Wearer Resource REST service a response message is given (code 200) as an OK result. This 'OK' response message is extended with the work order number generated at ABSSolute.

```

Body  Cookies  Headers (12)  Test Results  ⓘ
{} JSON  ▶ Preview  🔍 Visualize  ▼
1  {
2      "errorCode": "OK",
3      "workOrderNumbers": [
4          {
5              "employmentNumber": 1,
6              "workOrderNumber": 6650000669
7          },
8          {
9              "employmentNumber": 2,
10             "workOrderNumber": 6650000670
11         }
12     ]
13 }
    
```

5.5 Show warning message when ragging item linked to a Work Order in progress

ABS NUMBER	PDM-713
PURPOSE	Show a warning message when ragging a unique item that is linked to a work order in progress
AFFECTED DIALOGUES	Take out of circulation
SYSTEM SETTINGS	-
MODULES	-

With this development the user is asked a question when trying to rag an unique item which belongs to a work order which is still in progress.

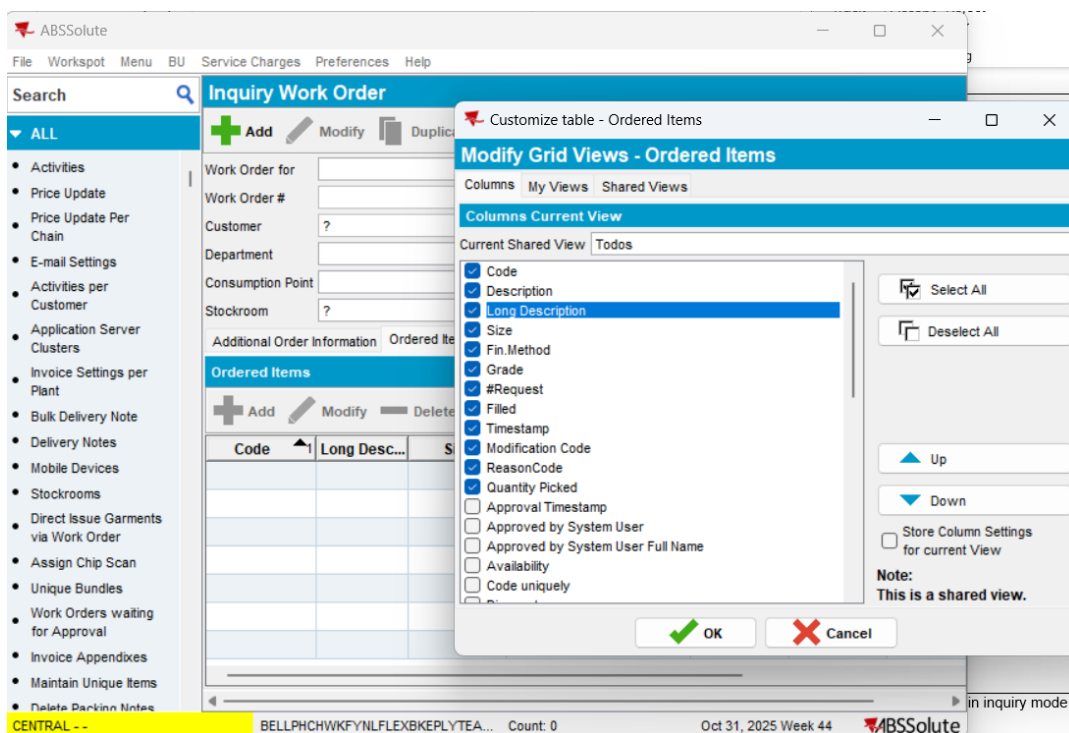
The screenshot shows the 'Take Items Out Of Circulation' window in the ABSSolute Enterprise Edition. A modal dialog box is open with the following text: 'Question: This garment should preferably not be taken out of circulation as the work order issuing it is not complete. Do you want to continue anyway?'. The dialog has 'Yes' and 'No' buttons. In the background, the 'Take Items Out Of Circulation' form is visible. It includes a 'Scan ID Code' field with the value '1117571'. The 'Item Details' section shows: Product/Size '007799U5 | tunika U5 - unique garment', Supplier '1 | ALSICO B.V.', Customer '1873 | name of cust187', Wearer '1 | NA', Last Scan Date '10/29/2025', Age in Weeks '0', and # of washes '0'. The 'Reason' section shows 'Reason' '+++002 | reason code 002' and 'Value' 'Calculated Value 100.000 %', 'Residual Value 100.000 %'. The 'Action' section has radio buttons for 'No Action' (selected), 'Decrease Max inventory', and 'Create work order for replacement'. There is a 'Go to work or...' button and an 'Actual Stock' field with the value '5'. At the bottom, there are 'Rag' and 'Cancel' buttons.

5.6 Add column Long Description in dialog workorder & stockroom locations

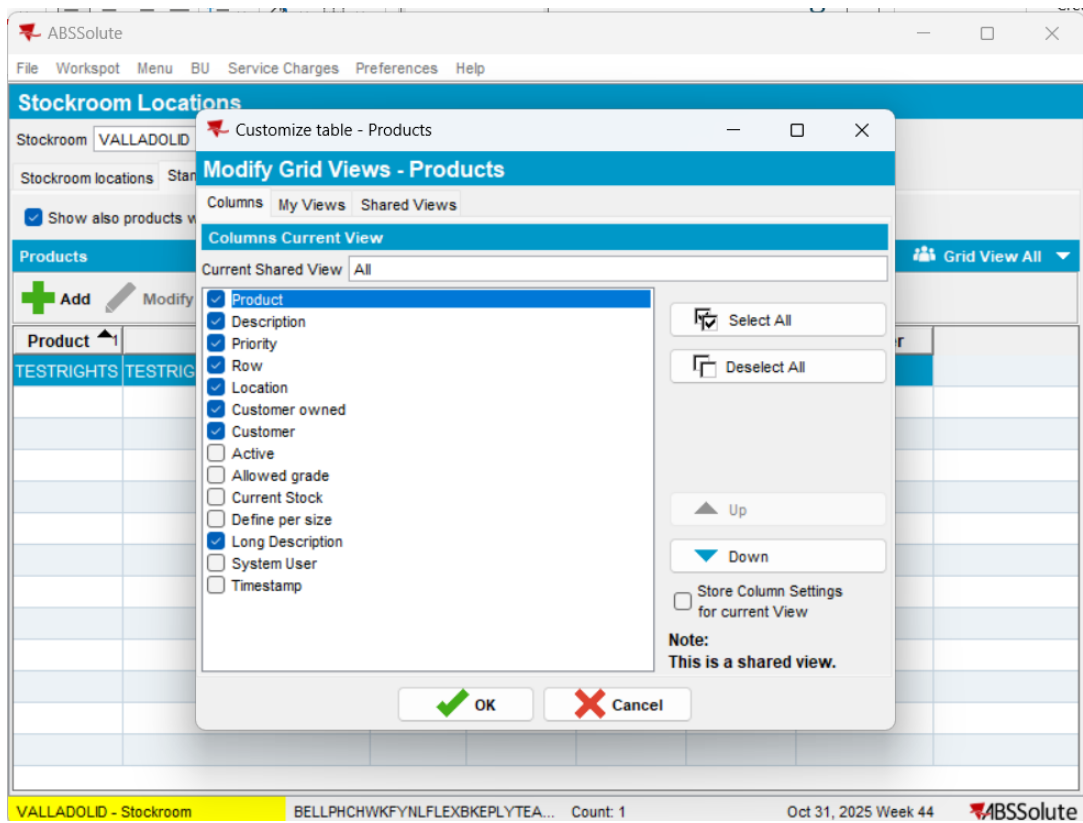
ABS NUMBER	PDM-286 & PDM-287
PURPOSE	Better visibility of products involved by showing the product long description
AFFECTED DIALOGUES	Work Order; Stockroom locations
SYSTEM SETTINGS	-
MODULES	Stockroom

It was requested to add the Product Long description in the Work Order / Stockroom location dialog. this information is now available within the grid as a dedicated column.

Work Order



Stockroom Locations



6 Residential Services

This section outlines the primary residential improvements to *ABSSolute*.

6.1 New table to insert Clients (Residents)

ABS NUMBER	PDM-54
PURPOSE	New tables to insert clients (residents)
AFFECTED DIALOGUES	Client / Web Client
SYSTEM SETTINGS	DEFAULTCLIENTNR
MODULES	PWB / PWBWEB

With new added I_Client tables it will be possible to insert clients (residents) into the database. Via a new system setting DEFAULTCLIENTNR it can be defined how the new client numbers should be determined.

0 = no default

1 = Display as default the first free number for this customer

2 = Display as default the highest existing number plus 1

6.2 Improvements for invoicing residential rent

ABS NUMBER	PDM-231
PURPOSE	Change the process when client invoices are credited and splitted (partly charged to resident and partly to customer)
AFFECTED DIALOGUES	Generate Periodical Invoices
SYSTEM SETTINGS	-
MODULES	PWBRENT

Next changes are made in the process for client invoices:

1. When we credit a client or a customer invoice containing residential rent it was not possible to charge the client rent again for that same period because the end date of the credited invoice is considered to determine the 'cut-of date' of the rent.

This has been made possible.

2. When we have a client with two rental products using split where one product is billed to the customer and the other billed to the client, the check on invoice till is not taking that into account. Since the client|(rent) is linked to both the customer invoice and the client invoice the first one finalized determines the 'cutoff date' for both rent product. So, if the customer invoice is finalized you will not be able to generate a client invoice with client rent for the same period.

The invoice generation timing dependencies have been removed for cases where both the customer and clients are being charged for residential rent.

7 Mat Services

This section outlines the primary Mat Services enhancements to *ABSSolute*.

7.1 No changes to mat services in this release

8 OR Services

This section outlines the primary OR Services enhancements to *ABSSolute*.

8.1 Infinity - Assemble OR Packs with UHF

ABS NUMBER	PDM-75
PURPOSE	Assemble OR packs using UHF
AFFECTED DIALOGUES	OR Pack Quick Assembly
SYSTEM SETTINGS	-
MODULES	Linen / ORS

Within the Infinity application it is possible to assist OR Pack assembly with a quick method of assembling ORS Packs. Within this process an OR cart is required, as unique OR packs that require sterilization are to be connected.

When scanning an OR pack label the system will recognize the requirements of items within the pack. Assembling is required to be done at an UHF reader, and the system will check the unique items that are expected. When the system recognizes all required items (or their allowed substitutes) the system will allow the OR Pack and changes status to assembled and will connect the pack to the cart.

Product Code	Size	Description	Quantity
HC110R	66x115	Small Split Drape	1
HC1200R	30x40	Wrapper 30"x30" - MF	1
HC2010R	18x71	Class 5 Integrator	1

If the required unique items are not recognized, the system will “fail” the OR Pack which needs to be re-assembled.

9 Cleanroom Services

This section outlines the primary Cleanroom enhancements to *ABSSolute*.

9.1 No changes to cleanroom services in this release

10 Washroom Services

This section outlines the primary Washroom Services enhancements to *ABSSolute*.

10.1 No changes to washroom services in this release

11 Oracle Analytics

This section outlines the main improvements to *ABSSolute* for the specific topic Oracle Analytics.

11.1 No changes to Oracle Analytics in this release