



***RELEASE NOTES (accumulated)***  
***ABSSolute v9.03.01 – v9.04.00***

ABS Laundry Business Solutions

## Introduction

This document describes the all changes introduced with *ABSSolute* releases v9.03.01 till *ABSSolute* release v9.04.00. These releases were released between Q2, 2019 and Q1, 2020.

Depending on the licenses installed on your system, it may be possible that you cannot use all-new features described in this document. If you are interested in functionality that is not covered by your license, please contact ABS directly.

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## Version

Version	Status	Date	By	Changes
0.1	DRAFT	26 MAR 2020	MRA	DRAFT version – v 9.03.01 – v9.04.00
1.0	FINAL	05 APR 2020	RHE	Initial FINAL version – v9.03.01 – v9.04.00 v1.0
1.1	FINAL	08 APR 2020	GVD	FINAL version – v9.03.01 – v9.04.00 v1.1

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## Contents

Introduction .....	2
Version .....	2
HIGHLIGHTS IN THESE RELEASES .....	8
CONTENT PER BUSINESS LINE (SHORTCUT) .....	11
<b>1 GENERAL FEATURES</b> .....	<b>12</b>
1.1 General system set-up .....	12
1.1.1 Contact Manager 2.0 ! .....	12
1.1.2 Maintain Consignment Notes: New dialog .....	20
1.1.3 Customer access rights: new access level added.....	22
1.1.4 Customer: Extra search options.....	23
1.1.5 Contract: Changes in tab sequence .....	25
1.1.6 Product List Per Customer: Product Ranking to grid view / show columns added .....	26
1.1.7 Product list per customer: RSR as sales employee for new products on Route Assistant .....	26
1.1.8 Products in Service: Route / depot added to selection criteria .....	27
1.1.9 Route Status Control: Editable stop number .....	28
1.1.10 Route Status Control: "Map Route" button activated .....	29
1.1.11 Route Assistant: Restriction by plant in Employees dialog.....	30
1.1.12 Route Assistant: New option to credit an invoice in full (USA/Northern America).....	31
1.1.13 Route Assistant: Preview Route feature .....	32
1.1.14 Trade Sales: Direct Invoicing of trade sales (direct sales) orders enabled .....	33
1.1.15 Trade Sales: Generate Sales Invoices from Route Status Control (USA/Northern America).....	34
1.1.16 Direct Sales Handling Charge .....	36
1.1.17 New price options for systematic replacement and loss charges .....	38
1.1.18 Budget protection loss charges.....	39
1.1.19 Credit Card Charging Frequency Phase 1.....	41
1.1.20 ACH auto payment- Third party payment processor (banking) for ACH and Credit Card auto-payment (US) .....	43
1.1.21 Generate invoices: Prevent missing prices when using 'change finishing method' option.....	45
1.1.22 Maintain Invoices: Two new columns for settled invoices (USA/NorthernAmerica) .....	46
1.1.23 Improve user friendliness for user defined invoice appendixes .....	47
1.1.24 E-mailing: Separate contact person for invoices and (USA/Northern America) statements .....	48

---

1.1.25	US Billing: Cash On Delivery Charge.....	49
1.1.26	New system settings for Fixed Deliver/Bill defaults .....	52
1.1.27	Cash Application: User Instructions added (USA) .....	53
1.1.28	Cash application / Customer financial details (USA): Reference field for payment type .....	54
1.1.29	Create 'Tax Amounts' per invoice line (only periodical invoicing US and EU) .....	56
1.1.30	Vertex (Phase 1) Address Cleaning .....	57
1.1.31	Hungarian Tax interface: Store XML export.....	60
1.1.32	Scheduled processes: Allow user to administer processes outside functional cluster .....	61
1.1.33	Workstation: Show assigned document / label printer(s) in the grid of workstations .....	61
1.1.34	LDAPS Security Protocol.....	62
1.1.35	Spark label printing: Extra fields for route sorting.....	63
1.1.36	Optimized retrieval of ABSSolute diagnostics.....	64
1.1.37	Menu navigation in touchscreen style.....	65
2	<b>LINEN SERVICES</b> .....	66
2.1	Curtain Services (NEW!) .....	66
2.2	Load Optimizer and Linen Smoothener: Combined features .....	70
2.3	Ordering and billing split by customer reference .....	71
2.4	Pool Items lost inside Laundry .....	77
2.5	Route Assistant: Extend Billing method 1, Systematic replacement method .....	78
2.6	Route Assistant & Route Check-In WebClientX: Extension soil count loss/abuse functionality .....	79
2.7	Stock Count / Order Status: Show standard delivery quantity .....	81
2.8	Stock Count / Order Status: Extend possible pop-up areas for warning message .....	82
2.9	Stock Count / Order Status: Show delivery day information.....	83
2.10	Packing Assistant: Support of unique bundles.....	84
2.11	Packing Assistant: Support of custom webservice path .....	86
2.12	Return non-unique items: Extend with consumption point selection.....	87
2.13	Quantity Management Groups, manage circulating, delivery & billing quantities .....	88
2.14	Create order indicators for order days .....	91
2.15	UHF RFID Inscan multi-read: option to generate packing notes .....	92
2.16	UHF RFID Stack Check Multi-Read: Accept (stack) anyway when the (last) stack size is not OK.....	93
2.17	UHF RFID Stack Check Multi-Read: Skip stack in case virtual bundle exists .....	94
2.18	UHF RFID Stack Check Multi-Read: Optimized flow for general UF pool items.....	95

---



---

2.19	UHF RFID Stack Check Multi-Read: Automatic generation of packing notes .....	98
2.20	UHF RFID Stack-Check Multi-Read: Accept (stack) anyway when the (last) stack size is not OK .....	99
2.21	New Interface with Inwaterc's Stack Storage System .....	100
3	<b>GARMENT SERVICES</b> .....	101
3.1	My Uniform Assistant (NEW!) .....	101
3.2	Guaranteed minimum delivery (NEW!) .....	107
3.3	Route Returns (NEW!) .....	115
3.1	Route Assistant: Bill damage on the spot .....	117
3.2	Route Assistant: Full credit for a wearer .....	120
3.3	Route Assistant: Sort by admin # for wearers .....	124
3.4	Route Assistant: Change button Damage to Abuse .....	126
3.5	Route Assistant: Mark an entire wearer inventory line for replacement in one go .....	127
3.6	Route Assistant: Allow user to select the Consumption Point when adding a new wearer .....	128
3.7	Customer: Locker Management required by default .....	129
3.8	Customer: pre-set charging of Loss and Residual Value via system settings .....	130
3.9	Contract: Extend compliancy check on garment charges .....	132
3.10	Contract: Compliancy rules for wearer functions and emblem templates .....	134
3.11	Contract: Purchase order management .....	137
3.12	Product List Per Customer: Bill minimum % on garments .....	141
3.13	Bill loss on maximum inventory .....	142
3.14	Bill loss on based on stay (extended USA Loss functionality) .....	143
3.15	Exchange Fee: Fee for garment replacements .....	144
3.16	Loss Charge Monitor: Re-generating / cancelling loss charges .....	147
3.17	Direct Invoicing US: Enhance Billing Method 4 to allow billing only on "B" days .....	148
3.18	Replacement workorder: separated workorder per wearer inventory line .....	149
3.19	Wearer / generate work order: allow users to override the default grade .....	150
3.20	Repair Scan: Show Laundry Owned Goods/Customer Owned Goods (LOG/COG) .....	151
3.21	Checkpoint Scan: Show Delivery Lot Information and add stay code 'On Shelf.' .....	152
3.22	Shipment Check Scan: Now also UHF Garments are supported .....	153
3.23	Lost garment: Rental Reduction .....	154
3.24	Emblem template: Shop title option added .....	155
3.25	Trade Sales Notes: Emblem definition for both existing and non-existing wearers .....	157

---

---

3.26	Garment Budget Protection: Ongoing Emblem Charges .....	160
3.27	Garment Emblem Protection: Charges based on emblem template connected to PLPC .....	161
3.28	Garment Budget Protection: system settings to control default at customer and contract level .....	162
3.29	Garment Budget Protection: Turnover groups available on the subtypes in the invoice lines .....	164
3.30	Garment Budget Protection: Material Maintenance Protection (MMP) default percentage .....	165
3.31	MBYO: Reason code for replacement to charge Merchandise Buy Out Yes or No .....	167
3.32	Web Portal Garment Services: Allow scan of Secondary ID .....	168
3.33	Item Dispense App: Various improvements .....	169
3.34	Item Dispense App: Predefine settings .....	173
3.35	Item Dispense App: Historical overview of flags .....	174
3.36	Item Dispense App: Various reports .....	175
3.37	Touchscreen Packing: Support UHF RFID container scans .....	176
3.38	Batch Delivery Note: Suspended and replaced by Garment Delivery Note .....	178
4	<b>RESIDENTIAL SERVICES</b> .....	179
4.1	Client: Show rented quantities in grid .....	179
4.2	Web Portal Residential Service: Remove BSN (Dutch social security number) .....	179
4.3	Web Portal Residential Service: Option to hide soil scan information web user dependent .....	180
4.4	Touchscreen Soil & Clean: Extended client search .....	182
4.5	Touchscreen Soil & Clean: Message when adding new customer to residential batch .....	183
4.6	Soil scan residential items: Clear labels improvement .....	184
4.7	Soil scan residential items: Check on items that were assigned by the customer .....	185
4.8	Soil scan Residential Items: Option to block the create residential batches per workstation .....	186
4.9	Outscan Residential items: Create extra Paternoster box for sorting when box is full .....	187
4.10	Outscan Residential items: Close the sort batch only for certain finishing method .....	188
4.11	Outscan Residential items: New Rewash functionality .....	189
4.12	Outscan Residential items: Create 'fake' in scan records .....	190
4.13	Outscan Residential items: Support VEGA Systems sorting paternoster system .....	190
5	<b>MAT SERVICES/WASHROOM SERVICES/BULK LOADS</b> .....	191
5.1	Bulk Packing Assistant App (NEW!) .....	191
6	<b>OPERATING ROOM SERVICES</b> .....	201
6.1	No changes to OR services in these releases .....	201
7	<b>CLEANROOM SERVICES</b> .....	201

---

---

7.1	Extension inscan check for multiple delivery dates .....	201
7.2	Resize cleanroom batch packing dialog .....	202
7.3	User instructions in cleanroom screens.....	203
7.4	Undo outscan in cleanroom batch packing outscan.....	205
7.5	Allow multiple sterilisation runs when doing counts in cleanroom batch packing .....	207
7.6	Pair scanning in cleanroom batch packing.....	208
7.7	Cleanroom batch packing per customer.....	210
8	<b>WASHROOM SERVICES</b> .....	211
8.1	Bulk Packing Assistant (see Mat Services chapter) .....	211

## HIGHLIGHTS IN THESE RELEASES

The following main features are introduced in the above-mentioned releases:

### GENERAL FEATURES:

✓ **Contact Manager 2.0!**

Our new enhanced and improved Contact Manager facilitates multi-plant laundries with a centralized control of services and a need for allocation and monitoring of tasks for users at various locations / on the road. Allocation, monitoring and escalation of tasks was not available in previous versions of the contact manager in ABSSolute. [ [Read more](#) ]

✓ **Route Assistant**

Many new features for both linen and garment services plus generic improvements / enhancements. Check out our comprehensive enhancements in the different chapters:

Generic features [ [Read more](#) ]

Linen services [ [Read more](#) ]

Garment services [ [Read more](#) ]

Please also look at our new web client for **Route Returns** (US market)! [ [Read more](#) ]

✓ **Trade Sales**

Various new generic features and enhancements for garment services, like the possibility to direct invoice sales notes US style plus the feature to define emblems for non-existent wearers. Check out our latest enhancements in the different chapters:

Generic features [ [Read more](#) ]

Garment services [ [Read more](#) ]

✓ **Invoicing**

Many new features for invoicing EU and US, e.g. store TAX amounts per invoice line (previously only on header level), split orders and invoices per customer reference number, new features in the cash application, interface with credit card companies, Vertex, many new chargeable fees and much more.

Generic features [ [Read more](#) ]

Linen services [ [Read more](#) ]

Garment services [ [Read more](#) ]

✓ **ACH auto payment (US)**

Automated integration with a third-party payment processor in order to send invoices or statements for automatic recurring electronic payment via either credit card or ACH and create remit batch and application of successful payments in ABS accounts receivable. [ [Read more](#) ]

#### LINEN SERVICES:

- ✓ **Bulk Packing Assistant: NEW!**  
With pride ABS introduces an all new android app to manage bulk products like mats but also disposable / one-way items. Read all about this brand-new app and its intelligent features[ [Read more](#) ]
- ✓ **Curtain Services: NEW!**  
Learn more about our new module for the registration of curtains. [ [Read more](#) ]
- ✓ **Linen Services: Combination of the modules Load Optimizer and Linen Smoothener**  
Enables the option to lower ordered quantities when dealing with shortages, while also working with optimized loading of containers/carts to limit transportation costs. [ [Read more](#) ]
- ✓ **New interface with INWATEC Stack Storage System**  
The interface offers real-time communication with the linen storage machine about which packing notes are required to be packed. Additionally, it gives information about packing deadline and priority, so the most important notes can be packed in the right order. [ [Read more](#) ]
- ✓ **Stack Check Multi-read UHF RFID**  
Check out our great newly supported features in our famous Stack Check Multi-Read [ [Read more](#) ]
- ✓ **Linen Stock count / Order Status**  
Some interesting new features have been added to our Stock Count / Order status dialog [ [Read more](#) ]

#### GARMENT SERVICES:

- ✓ **My Uniform Assistant: NEW App!**  
*My Uniform Assistant* is a web browser-based application that allows wearers (or garment administrators) to manage uniforms. Through this browser-based app, wearers can easily view their garment inventory, the repair status of their garments and they are able to organize and keep track of lost/found items. [ [Read more](#) ]
- ✓ **Guaranteed minimum delivery of garments: NEW!**  
*Guaranteed minimum delivery* is a new method of guaranteeing a minimum delivery of (pool) garments to wearers. Especially in use to support large organisations such as car manufacturers. [ [Read more](#) ]
- ✓ **Item Dispense App**  
Our *Item Dispense App* is used to hand out (pool) garments such as fire-men protective garments, has been enhanced with a number of new features and improvements. Click here [ [Read more](#) ] to read about our new Item Dispense App features.

#### RESIDENTIAL SERVICES:

- ✓ **Client management** [ [Read more](#) ]
  - Show rented quantities
  - Web portal: removal of BSN (dutch social security number)
  - Web portal: option to hide inscan information per web user
- ✓ **Touchscreen application** [ [Read more](#) ]
  - General improvements
  - Soil registration of residential items
  - Clean registration of residential items

#### CLEANROOM SERVICES:

- ✓ **Various new features / enhancements related to cleanroom procedures**  
Learn more about the new and enhanced features we introduced in cleanroom services. [ [Read more](#) ]

### CONTENT PER BUSINESS LINE (SHORTCUT)



**General Features**



**Linen Services**



**Garment Services**



**Residential Services**



**Mat Services**



**OR Services**



**Cleanroom Services**



**Washroom Services**

## 1 **GENERAL FEATURES**

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

### 1.1 **General system set-up**

This chapter describes all general system set-up related changes made in this new release.

#### 1.1.1 **Contact Manager 2.0 !**

<b>ABS NUMBER</b>	ABS-62312
<b>PURPOSE</b>	The purpose of this order is to facilitate multi-plant laundries with a centralized <u>control of services</u> and a need for allocation and <u>monitoring of tasks</u> for users at various locations / on the road. Allocation, monitoring and <u>escalation of tasks</u> was not available in previous versions of the contact manager in ABSSolute.
<b>AFFECTED DIALOGUES</b>	Contact monitor, contact manager
<b>SYSTEM SETTINGS</b>	CONTACTAUTOCLOSEDELAY, CONTACTSTATUSES, CONTACTSTATUSCONTROL, CONTACTBLOCKSTOPDEPART, CONTACTFOLLOWUPDAYS, CONTACTFOLLOWUPTIME, CONTACTCHECKROUTESTART
<b>MODULES</b>	CONTACT MANAGER, ROUTE ASSISTANT ANDROID

The contact manager module has been enhanced to use contacts in a more professional way. A new dialog called “contact monitor” has been added to give the user a clear overview of the contacts in the system. Also, a new status flow and a higher level of approval before closing has been implemented.



## Screen layout

The new dialog contact monitor gives the user the possibility to get an overview of contacts based on multiple filter options:

**Contact Monitor**

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

Filter on ☒ Route ☐ Customer

Depot ?

☒ All

Business Unit ?


☐ All

Route ?

☒ All

Customer ?










☐ All

 Load

Status

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

Contacts Grid View All

 Add  Modify  Delete  Grid Views  Print  Load More  Load All  E-Mail Contact to Follow-Up By  Email contact person ☒ Show Only Created By Me

Date	Call#	Status	Customer ...	Customer ...	Contact P...	Laundry C...	Category ...	Category ...	Follow Up ...	InProgres...	CloseDate	Follow up by	Departme...	Department	Business
Jul 16, 201...	5440007545	New	1111	ABE 2	Matilda test	MBO	--	--	Jul 23, 201...				1	-	044
Jul 16, 201...	5440007543	New	2293	ABE Test	Test MBO	MBO	1	Notification					1	-	044
Jul 5, 2019 ...	5440007508	Closed	2293	ABE Test		MBO	--	--	Jul 5, 2019 ...	Jul 5, 2019 ...					044
Jul 5, 2019 ...	5440007487	Closed	2293	ABE Test		MBO	--	--	Jul 5, 2019 ...	Jul 5, 2019 ...					044
Jul 5, 2019 ...	5440007483	Closed	2293	ABE Test		MBO	--	--	Jul 5, 2019 ...	Jul 5, 2019 ...					044
Jul 5, 2019 ...	5440007449	Closed	2293	ABE Test		MBO	1	Notification	Jul 5, 2019 ...	Jul 5, 2019 ...					044
Jul 4, 2019 ...	5440004460	Closed	2293	ABE Test		MBO	--	--	Jul 23, 201...	Jul 16, 201...	Jul 16, 201...	MBO			044
Jul 4, 2019 ...	5440004461	Closed	2293	ABE Test		MBO	--	--	Jul 23, 201...	Jul 16, 201...	Jul 16, 201...	MBO			044
Jul 4, 2019 ...	5440004459	Closed	2293	ABE Test		MBO	--	--	Jul 16, 201...	Jul 16, 201...					044
Jul 4, 2019 ...	5440004456	Closed	2293	ABE Test		MBO	--	--	Jul 4, 2019 ...	Jul 5, 2019 ...					044
Jul 4, 2019 ...	5440004383	Closed	2293	ABE Test	0BCBBC	MBO	--	--	Jul 4, 2019 ...	Jul 4, 2019 ...	Jul 16, 201...				044
Jul 4, 2019 ...	5440004382	Closed	2293	ABE Test		MBO	--	--	Jul 4, 2019 ...	Jul 5, 2019 ...					044
Jul 4, 2019 ...	5440004381	Closed	2293	ABE Test		MBO	--	--	Jul 4, 2019 ...	Jul 5, 2019 ...					044
Jul 4, 2019 ...	5440004380	Closed	2293	ABE Test		MBO	--	--	Jul 4, 2019 ...	Jul 5, 2019 ...					044
Jul 4, 2019 ...	5440004324	Closed	2293	ABE Test	0BCBBC	MBO	--	--	Jul 4, 2019 ...	Jul 4, 2019 ...	Jul 16, 201...				044

The contact screen has a new layout to give the user a better overview:

- Multiple Follow Up Notes can be stored and viewed
- Follow Up needed by a specific user or by the route sales representative
- Settings to enable the contact notes to be seen before starting the route

Call Number: 5440000010

Customer: Phone#:

**Settings**

Contact Person: Priority: Low Category: Attachment: Department:

☐ Follow up Needed ☐ By user ☐ By route ☐ Show on Route Assistant / Route Sheet ☐ Block Stop Departure ☐ Check before starting route

**Status**

☒ New 07/17/2019 09:21 AM XHSOXZN ☐ In Progress ☐ Closed

**Contact Notes**

**Follow Up Notes**

+ Add Modify

XHSOXZN Count: 070 Contacts: 0 JUL

## Statuses

The possibility to have a higher level of approval before the contact is closed is implemented by adding two new statuses. The new system setting CONTACTSTATUSES adds the new statuses “completed” and “reviewed”:

**Add Contact**

Save and Exit Cancel First Previous Next Last Create Linked Contacts

Call Number 5440007548

Customer Phone#

**Settings**

Contact Person Cause 2 | Problem Priority Low Category -- | -- Attachment Department

☐ Follow up Needed ☐ By user ☐ By route

☒ Show on Route Assistant / Route Sheet

☒ Block Stop Departure

☐ Check before starting route

Resolution

**Status**

<input checked="" type="radio"/> New	07/16/2019	01:59 PM	ABS
<input type="radio"/> In Progress			
<input type="radio"/> Completed			
<input type="radio"/> Reviewed			
<input type="radio"/> Closed			

**Contact Notes**

**Follow Up Notes**

+ Add Modify

## Follow up

Follow up needed, can now be set to be followed up by user or by route. A contact that needs follow up is called a message and needs to be followed up by a certain date (and time if needed).

All other contacts are notifications and do not require follow up. If the contact is not followed up by the set date, the contact becomes overdue. The possibility to have multiple follow up notes has been added to get a clear overview of what has been done.

**Modify Contact**

Save and Exit Cancel First Previous Next Last View Linked Contacts

Call Number: 5440000150  
Customer: 2293 Phone#:

**Settings**

Contact Person: 1  
Cause: - Default  
Priority: Low  
Category: - -  
Attachment:   
Department:   
☒ Follow up Needed 07/26/2019 16 01:00 AM  
By user   
By route   
☒ Show on Route Assistant / Route Sheet  
☒ Block Stop Departure  
☒ Check before starting route  
Resolution:

**Status**

☐ New 07/26/2019 04:41 AM Matilda  
☒ In Progress 07/26/2019 04:41 AM Matilda  
☐ Closed

**Contact Notes**

Test note

**Follow Up Notes**

+ Add ✎ Modify

Matilda -- Jul 26, 2019 4:42 AM  
Follow up 3

Matilda -- Jul 26, 2019 4:41 AM  
Follow up 2

Matilda -- Jul 26, 2019 4:41 AM  
Follow up 1

The “Contact manager pending contact” popup shows when launching ABSSolute has been changed to show the overdue follow up contacts to indicate to the user that follow up is needed urgently:

Contact Manager Pending C...

Contact Manager Pending Contacts

System User: ABS

Overdue Follow up by me: 0

Overdue Follow up Created by me: 2

	Created by Me	Last Updated by Me
New	9	7
In Progress	0	0
Completed	5	4
Reviewed	2	2

OK Open Contacts

## New controls in the Contact Manager

### Automatic closing of contacts

When using the newly added statuses, contacts that are notifications with status reviewed can be automatically closed by using a scheduled process to minimize the manual work for users.

### Route assistant Android

#### Show on route assistant

When using the option “show on route assistant” two new flags have been implemented:

- Block Stop Departure: the contact on Route Assistant needs to be handled before a driver can mark the stop as visited
- Check before starting route: message(s) must be read before the driver can start the route

**Contact**

**Add Contact**

Save and Exit Cancel First Previous Next Last Create Linked Contacts

Call Number 5440007548

Customer Phone#

**Settings**

Contact Person Cause 2 | Problem Priority Low Category -- | -- Attachment Department

☒ Follow up Needed 07/23/2019 10:00 PM

☐ By user ☒ By route

☒ Show on Route Assistant / Route Sheet

☒ Block Stop Departure

☐ Check before starting route

Resolution

**Status**

☒ New 07/16/2019 01:59 PM ABS

☐ In Progress

☐ Completed

☐ Reviewed

☐ Closed

**Contact Notes**

**Follow Up Notes**

+ Add Modify

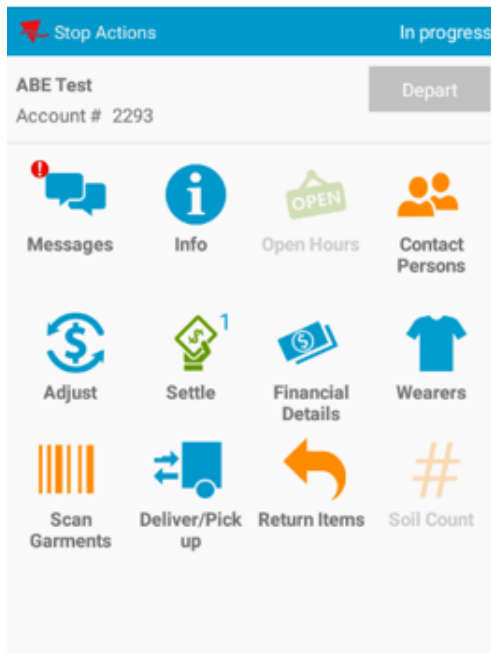
## Contacts on Route Assistant Android

Route tasks is a new screen implemented on the Route Assistant which will show the user all contacts for the route before the driver will move the route stop screen. If a contact has the flag “check before starting route” it must be read before the driver can start the route, a red “\*” will indicate this. Also, as a part of the follow up functionality an overdue contact will show with “OVERDUE” in red. The button “all tasks reviewed” will only become active when all contacts with this flag has been reviewed:

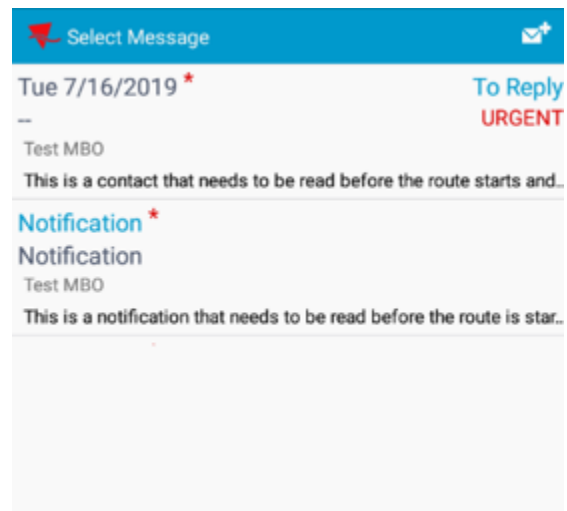


With the option “block stop departure” the contact on RA need to be handled before a driver can mark the stop as visited. The message icon will have a red “!” and the contact itself in messages will have a red “\*” to indicate that there are contacts with this flag. When the required actions have been done the depart button will become enabled.

Stop action screen:



In messages:



## 1.1.2 Maintain Consignment Notes: New dialog

<b>ABS NUMBER</b>	ABS-73843
<b>BACKGROUND &amp; PURPOSE</b>	Better overview of Consignment Notes and possibility to create manual consignment notes
<b>AFFECTED DIALOGUES</b>	New: Maintain consignment Notes
<b>SYSTEM SETTINGS</b>	-
<b>MODULES</b>	-

Before there was only a dialog to generate or reprint consignment notes. No good overview of consignment notes. For this a new dialog is made to 'Maintain Consignment Notes'

### Maintain Consignment Notes

Ship to Customer  ... ☒ All

Include Status ☒ New ☒ In Progress ☒ Completed ☐ Cancelled

From Date   To Date

### Maintain Consignment Notes

Add Wizard View Cancel Reprint Grid Views Print

Note Number	Customer Number	Name	Depar...	Del. Point	Del. Date	Status	PO Number
1 99		Hospital Rotterdam			May 17, 2019	Processed	23467
2 99		Hospital Rotterdam			May 17, 2019	In progress	
4 3		Hospital Amsterdam			May 22, 2019	New	
5 3		Hospital Amsterdam			May 22, 2019	New	
6 99		Hospital Rotterdam			May 21, 2019	Processed	
7 3		Hospital Amsterdam			May 22, 2019	New	
8 3		Hospital Amsterdam			May 22, 2019	New	
9 3		Hospital Amsterdam			May 22, 2019	In progress	
10 100		Hospital Den Haag	1		May 21, 2019	In progress	323

Via the main screen an overview can be shown for all consignment notes. Filters are available on customer, status, and date range.

Add Wizard: see next page.



Via the 'Add Wizard' button a new manual consignment note can be created.

Consignment Note Add Wizard

**Add Consignment Note**

✓ Save & Enter Deliveries ✗ Cancel

**Employee**

Employee

**Consignment Note**

Note Number 0 Customer PO Number

**Ship to Information**

Customer ?

Department

Delivery Point

**Shipment**

Delivery Date 16

Status New

Route/Stop 0 Assign Route

Remark

First the consignment note is created in screen above, and after that 1 or multiple delivery notes can be added.

Add Consignment Note Delivery Details

**Add Consignment Note Delivery Details**

✓ Save and Exit + Save & Next Container ✗ Exit

Consignment Note 11 Delivery Date May 27, 2019

Customer 3 Hospital Amsterdam

**Delivery Note Details**

Department 1

Delivery Point

Consumption Point 1

Deliver in

**Container**

Container ID

Container Type

**Products** Count: 1 Grid View All

Grid Views Print

Product Code	Description	Size Code	Finishing Meth...	Delivered Qty	Delivered COG ...
TOWEL	Towel	-	-	0	0

Creating manual consignment notes is meant for laundries having a lot of clean count based delivered customers. The main screen however can be used in any laundry working with consignment notes.

### 1.1.3 Customer access rights: new access level added

ABS JIRA NUMBER(S)	ABS-71812
BACKGROUND & PURPOSE	Extension of the compliancy options for customer access rights by providing an extra access level that distinguishes between rights for adding or modifying records.
MODULE(S)	ACCESSRIGHTS
SYSTEM SETTING(S)	-

#### Dialog: Customer access rights

For all fields maintained under the Access Rights list, the option has been added to allow for “Read Only for Modify mode, Full Access for Add” mode:

Field	Access Rights
Tab Billing - Address Line 1, Street, House...	Full Access for all modes
Tab Billing - Address Line 2	Full Access for all modes
Tab Billing - Comment On Statement	Full Access for all modes
Tab Billing - Tax Authorities - StateTaxCode	Full Access for all modes
Tab Billing - Zipcode, City, County, State	Full Access for all modes
Tab Delivery - Route Stops	Full Access for all modes
Tab General - Bill To Customer	Full Access for all modes
Tab General - CoC#, P-Site	Full Access for all modes
Tab General - Legacy Customer Number	Full Access for all modes
Tab General - Legal Name	Full Access for all modes Not Visible for all modes Read Only for Modify only / Full Access for Add
Tab General - Master Account	Full Access for all modes
Tab General - Name	Full Access for all modes
Tab General - Nat. Account	Full Access for all modes
Tab Payment - Payment Method	Full Access for all modes

This has been developed to allow for better refinement in the access rights setup in laundries based on which user group creates/adds customers, and which group maintains them.

#### 1.1.4 Customer: Extra search options

<b>ABS NUMBER</b>	ABS-80432
<b>BACKGROUND &amp; PURPOSE</b>	Make it easier to find a customer
<b>AFFECTED DIALOGUES</b>	Customer dialog
<b>SYSTEM SETTINGS</b>	-
<b>MODULES</b>	-

To make it easier to find the right customer, we have added two extra search options: Legal Name and the Bill to customer's name.

Search Customer

Count: 8 / 8

Begins with test customer 1

Search Stop

Select ☒ All Customers  
☐ Garment Customers Only  
☐ Residential Customers Only

Reload Last

Grid View Alle

Grid Views Print Load More Load All

Only Active Customers

Number	Name	Search na...	Delivery addre...	Zipcode	City
33	Test customer under 51	TEST CUSTO	Road	City	1234
51	Test customer 1	TEST CUSTO	-	-	-
52	Test customer 2	TEST CUSTO	-	-	-
53	Test customer 3	TEST CUSTO	-	-	-
54	Test customer 4	TEST CUSTO	-	-	-
55	Test customer 5	TEST CUSTO	-	-	-
56	Test customer 6	TEST CUSTO	-	-	-
57	Test customer 7	TEST CUSTO	-	-	-

Select Cancel

---

#### 1.1.4.1 Extended ERP Customer interface to include new fields

<b>ABS JIRA NUMBER(S)</b>	ABS-76564
<b>BACKGROUND &amp; PURPOSE</b>	Some third party ERP systems have the ability to send some more financial fields to ABSSolute to be used for the customer integration. The goal is to import those additional fields in ABSSolute to ease up the data entry for the user and avoid mistakes.
<b>MODULE(S)</b>	ERP INTERFACE   FLEX FIELDS
<b>SYSTEM SETTING(S)</b>	AUTOCREATECUSTCHILDOBJECT

Extended ERP Customer interface to include additional fields:

- Full payment on delivery
- Finance Charge Put On
- Finance Charge Days (database auto filled based on system setting in plant)
- Statement Layout Code
- Statement Handling Start Date

Also, Flex Fields for the Customer dialog have been added. A new system setting has been introduced to allow for the automatic creation of data when using the ERP Interface.

- Department
- Distribution point
- Delivery point
- Cost centre

### 1.1.5 Contract: Changes in tab sequence

<b>ABS JIRA NUMBER(S)</b>	ABS-75805
<b>BACKGROUND &amp; PURPOSE</b>	Improve user-friendliness and intuitively of the contract screen layout the sequence of the different tab-pages has been re-arranged.
<b>MODULE(S)</b>	Contract Management
<b>SYSTEM SETTING(S)</b>	-

The changed order of tabs now follows the logical entry of a contract.

#### OLD SEQUENCE of TABS:

The screenshot shows the 'Inquiry Contract' form with the following tabs: Validity, Price Settings, General, Components, PO Numbers, Contract Customers, In Use By, Pricelist, Remark, and Amendments. The 'General' tab is selected, displaying fields for 'Start Of Contract' (Sign Date, Start Date, Duration, Term Of Notice, Extended, Gain Reason, Competitor) and 'End Of Contract' (End Date, Renegotiation Date, Termination Date, Lost Reason, Competitor).

#### NEW SEQUENCE of the TABS

The screenshot shows the 'Inquiry Contract' form with the updated tab sequence: Validity, Price Settings, General, Brand, Components, PO Numbers, Contract Customers, In Use By, Pricelist, Remark, and Amendments. The 'General' tab is selected, displaying the same fields for 'Start Of Contract' and 'End Of Contract' as the previous version.

The changed order of tabs now follows the logical entry of a contract.

---

### 1.1.6 Product List Per Customer: Product Ranking to grid view / show columns added

<b>ABS NUMBER</b>	ABS-78173
<b>BACKGROUND &amp; PURPOSE</b>	Add the product ranking to the selectable grid view in PLPC dialog
<b>AFFECTED DIALOGUES</b>	Product List per Customer
<b>SYSTEM SETTINGS</b>	
<b>MODULES</b>	

An additional column has been added to the grid view in the PLPC dialog – “Product Ranking”. This has been done to give users additional product data visibility when working with a customer’s PLPC.

### 1.1.7 Product list per customer: RSR as sales employee for new products on Route Assistant

<b>ABS NUMBER</b>	ABS-85344
<b>PURPOSE</b>	Set the product list per customer Salesperson field to the route driver for newly added products from Android Route Assistant
<b>AFFECTED DIALOGUES</b>	Product List per Customer, Contract
<b>SYSTEM SETTINGS</b>	
<b>MODULES</b>	Contract Management, Android Route Assistant

When the driver adds a new product to a customer, via the Android Route Assistant contract product management functionality, and the laundry is using the optional Salesperson fields, at Contract and product list per customer level, the Salesperson field at product list per customer level is now populated with the driver of the route for the day that the new product was added.

This will be done automatically during the processing of the settlement for the routes.

The purpose for this, is to provide better data for tracking new sales by route drivers for commission and other reporting purposes.

### 1.1.8 Products in Service: Route / depot added to selection criteria

<b>ABS NUMBER</b>	ABS-78376
<b>BACKGROUND &amp; PURPOSE</b>	Add Route/Depot selection criteria to Products in Service filter; allow direct modification of PLPC record from grid in Products in Service
<b>AFFECTED DIALOGUES</b>	Products in Service
<b>SYSTEM SETTINGS</b>	
<b>MODULES</b>	

Two enhancements have been made to the Products in Service dialog.

First, two additional selection criteria (Route and Depot) have been introduced in the header to allow the user to filter the results loaded in the grid in different ways:

The screenshot shows the 'Products In Service' dialog box. The 'Business Unit/ Route/ Depot' section is highlighted with a red box. This section contains three rows of selection criteria: 'Business Unit' (checked), 'Route' (unchecked), and 'Depot' (checked). Each row has a dropdown menu for selection. The 'Route' dropdown is currently set to '?', and the 'Depot' dropdown is set to '10'. The 'Business Unit' dropdown is set to '10'. The 'Miscellaneous' section below contains a 'Search Name' dropdown and a 'Begins w' button.

When the Business Unit selection box is checked, both the Route and Depot boxes then become available.

Both can be checked and the drop-down selection used to pick one depot or route individually. When one of these selections is made, and the grid is loaded, only customer records which match these new selections will be loaded into the grid.

Second, the option to modify a Product List Per Customer record via pop up directly from the Products in Service grid has been added.

### 1.1.9 Route Status Control: Editable stop number

ABS NUMBER	ABS-58370
BACKGROUND & PURPOSE	Editable stop in route status control for manual added stops.
AFFECTED DIALOGUES	Route status control
SYSTEM SETTINGS	
MODULES	

The stop number for manual added stops is made editable.

The screenshot shows the 'Maintain Stops' dialog box. The 'Modify Maintain Stops' section at the top has buttons for 'Save and Exit', 'Exit', 'First', 'Previous', 'Next', and 'Last'. Below this is a 'Route' field with the value '44'. The 'Stops' section contains a table with columns 'Numb...' and 'Custo'. The table has two rows: one with '123' and another with '666'. The '666' row is selected. To the right of the table is the 'Modify Stop' sub-dialog. It has buttons for 'Save and Exit', 'Exit', 'First', 'Previous', and 'Next'. Below these are fields for 'Date' (Apr 4, 2019), 'Route' (44 | Route Donderdag), 'Customer' (1001 | Hospital Paris), 'Delivery Point', 'Contact Person' (1 | Dhr. Laeremans), 'Stop Number' (666), and 'Stop Type' (Mixed). The 'Stop Number' field is highlighted with a red circle, indicating it is now editable. A mouse cursor is pointing at the bottom of the 'Modify Stop' dialog.



### 1.1.10 Route Status Control: "Map Route" button activated

<b>ABS NUMBER</b>	ABS-79765
<b>BACKGROUND &amp; PURPOSE</b>	Allow laundries to see the Map Route button on Route Status Control also before the API-key for Google Maps is activated
<b>AFFECTED DIALOGUES</b>	RouteStatusControl
<b>SYSTEM SETTINGS</b>	-
<b>MODULES</b>	-

We have made the "Map Route" functionality more visible, by showing the inactivated button to the users. In order to activate the button, the laundry will need a special Google Maps API-key to be configured in the ABSSolute server configuration, please contact ABS Support department for help with this operation.

ContactManager Service Charges Switchboard Preferences Help

Products In Service Route Status Control +

Route Status Control

+ Add Modify Delete Mark All UnMark All Stops Map Route Grid Views Print Load More Load All

Date	Day	RouteNr	Depot	Packing S...	Invoices G...	PDA Statu...	Settlement...	Driver	Spare Ros...	RA Androi...	System User	Timestamp
Apr 2, 2019	Tuesday, week 14	0		No Put Up...	Completed	Not Ready f...	Not Started		<input type="checkbox"/>	0 OKD		Apr 18, 2019 9:29 AM
Apr 1, 2019	Monday, week 14	0		No Put Up...	Completed	Not Ready f...	Not Started		<input type="checkbox"/>	0 OKD		Apr 18, 2019 9:26 AM
Feb 2, 2017	Thursday, week 05	1000 1200		Completed	Not Started	Not Started			<input checked="" type="checkbox"/>	0 OKD		Apr 1, 2019 7:50 AM
Apr 1, 2019	Monday, week 14	999991		No Put Up...	Not Started	Not Started			<input type="checkbox"/>	0 OKD		Apr 1, 2019 5:53 AM
Dec 7, 2017	Thursday, week 49	7 1200		In Progress	Not Started	Completed	In Progress		<input type="checkbox"/>	708 JVL		Mar 29, 2019 9:46 AM
Oct 11, 2018	Thursday, week 41	2 1200		Put Up Prin...	Completed	Not Ready f...	Not Started		<input type="checkbox"/>	0 SGE		Oct 4, 2018 6:56 AM
Feb 3, 2017	Friday, week 05	1 1200		Completed	Completed	Transfere...	Completed		<input type="checkbox"/>	0 TAY		Sep 24, 2018 11:42 AM
Feb 3, 2017	Friday, week 05	18 1200		Completed	Completed	Transfere...	Completed		<input type="checkbox"/>	0 TAY		Sep 24, 2018 11:28 AM

A small message will inform the user on why the button is not active, until the API-key is correctly configured.

ContactManager Service Charges Switchboard Preferences Help

Route Status Control

+ Add Modify Delete Mark All UnMark All Stops Map Route Grid Views Print Load More Load All

Date	Day	RouteNr	Depot	Packing S...	Invoices	Map route can be activated using your own Google API key. Contact ABS for help	RA Androi...	System User	Timestamp
Sep 26, 2018	Wednesday, week 39	2296		Put Up Prin...	Completed	Not Started	<input type="checkbox"/>	0	Aug 16, 2018 7:01
Sep 12, 2018	Wednesday, week 37	2296		No Put Up...	Completed	Not Started	<input type="checkbox"/>	0	Aug 16, 2018 7:01

#### 1.1.11 Route Assistant: Restriction by plant in Employees dialog

ABS NUMBER	ABS-85106
PURPOSE	Filtering of mobile devices in employee dialog
AFFECTED DIALOGUES	Employee dialog
SYSTEM SETTINGS	-
MODULES	ROUTEASSISTANT, ANDROID ROUTEASSISTANT

In the employee dialog, a restriction has been added to which devices that will show in the mobile device dropdown. If work spot “own plant only” is chosen, only the mobile devices from the current plant will be shown in the mobile device dropdown. If work spot “all plants” is chosen all mobile devices from all plants the user has access to will be shown in the mobile device dropdown.

Employee

**Modify Employee**

✓ Save and Exit ✗ Cancel ↑ First → Previous ↓ Next ↓ Last

Plant 044 |

Number 140619

Name Matilda

Search Name MBO

Employee Function - | -

Start Date 06/14/2019 16 Workspot ☒ Own Plant Only

End Date 16 ☐ All Plants

Mobile Device

Contact Information Turnover Groups and Commision

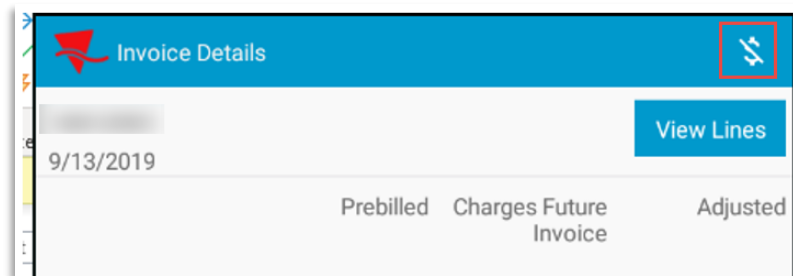
### 1.1.12 Route Assistant: New option to credit an invoice in full (USA/Northern America)

ABS NUMBER	RASA-930
PURPOSE	Allow user to credit an invoice on Android Route Assistant in full in one step, instead of line by line
AFFECTED DIALOGUES	
SYSTEM SETTINGS	
MODULES	ROUTEASSISTANTFULLCREDIT

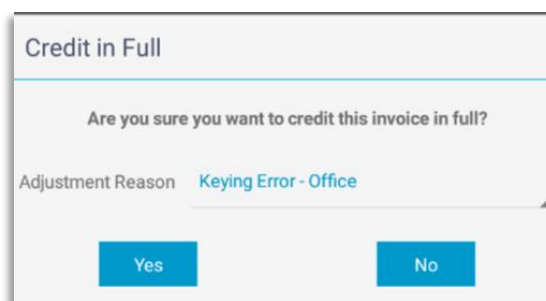
A new module has been introduced for the Android Route Assistant for use in the US market with direct invoicing. This module can be added at no additional charge within the maintenance agreement; please verify with your account manager.

With this module, the user (RSR) of the Android Route Assistant has the option to credit an invoice in full for that day's delivery. By making this a one-step process, this is significantly easier for the user than crediting each individual line one by one – especially in cases where there can be hundreds of individual invoice lines.

With the module, a new action button is added on the Route Assistant Adjustment (\$)stop action:



When pressed, the user is prompted to select a reason code for the in-full credit:



When confirmed, all lines for today's direct invoice will be adjusted to zero automatically. The only exception is any cash delay or finance charge lines that may have been added to the invoice from previous invoices.

The user is still required to get a signature on the invoice (when set) in order to confirm receipt of goods and acceptance of the full credit.

### 1.1.13 Route Assistant: Preview Route feature

<b>ABS NUMBER</b>	RASA-1617
<b>PURPOSE</b>	Allow the RSR/driver to see upcoming routes before he drives off from the laundry
<b>AFFECTED DIALOGUES</b>	Route Assistant Android
<b>SYSTEM SETTINGS</b>	-
<b>MODULES</b>	ROUTE ASSISTANT ANDRIOD

The Route Assistant Android had been enhanced with an new option “Preview Route” to allow the driver to look at routes which the laundry has finished packing, but the driver is not yet visiting these routes yet – this can be (for example) about routes that should be visited the next day.

The RSR/driver will be allowed to change the stop sequence if needed and he can also see for each stop how many (bulk loaded) products he should expect to deliver.

This “Preview Route” feature is activated in ABSSolute, for each mobile device.

The image displays three screenshots of the ABSSolute mobile application interface, illustrating the 'Preview Route' feature.

**Left Screenshot: Route info**  
 - Header: Route info  
 - Content: Route 12 12 Friday, Fri 12/13/19  
 - Buttons: Start Route, Preview Route  
 - Truck section: Driver name mgr driver  
 - Stops table:  

To be Visited	Visited	Undeliverable
16	0	0

 - Charges table:  

Prebilled	5277.66
Adjustments	0.00
Undeliverable	0.00
<b>Total Charges</b>	<b>5277.66</b>

 - Collections table:  

Total to Collect	5277.66
Cash Collected	0.00

**Middle Screenshot: Select stop**  
 - Header: Select stop  
 - Title: Preview Route  
 - List of stops (all marked 'To Be Visited'):  

- 5
- 10
- 15
- 21
- 25
- 30

**Right Screenshot: Stop info**  
 - Header: Stop info  
 - Title: Preview Route  
 - Fields: Account #, Address  
 - Instructions: Cash On Delivery, Signature Required  
 - Products table:  

Products	Deliver	Pick Up
3x4 Safety Mat MA934	8	0
3x4 90 Mil Full Cont Black MG534	2	0
4x6 90 Mil Full Cont	1	0

### 1.1.14 Trade Sales: Direct Invoicing of trade sales (direct sales) orders enabled

<b>ABS NUMBER</b>	ABS-83167
<b>PURPOSE</b>	Gives user options for generating Sales Note direct invoices when the Trade Module is in use
<b>AFFECTED DIALOGUES</b>	Customers, Maintain Sales Notes, Sales Order (inside Maintain Sales Note) & Maintain Invoices
<b>SYSTEM SETTINGS</b>	SALESDNONINVOICEDROUTE & DIRECTINVSALESNOTES
<b>MODULES</b>	TRADE SALES

When the Trade Module is in place, and Sales Notes are issued, the user can set how the Direct Invoice is to be created. A new checkbox with invoice creation options is now available in the billing tab of the customer dialog. The three options for creating the Sales/Credit Notes are as follows:

- Route Status Control Invoicing Only
  - The only option will be invoice generation via Route Status Control
- Sales Order Invoicing Only
  - The only option will be invoice generation while completing the Sales
- Route Status Control or Sales Order Invoicing
  - Both options can be used as mentioned above

The screenshot shows the 'Inquiry Customers' dialog box with the 'Billing' tab selected. In the 'Invoice' section, the 'Direct' radio button is selected. A dropdown menu is open for 'Direct Invoice Sales/Credit Notes', showing three options: 'Route Status Control or Sales Order Invoicing', 'Route Status Control Invoicing only', and 'Sales Order Invoicing only'. The 'Tax Authorities' section shows 'Taxable' selected, with 'State' set to 'MA' (Massachusetts). The 'Statement' section shows 'Send Statement' set to 'Only if Invoices are past due'.

### 1.1.15 Trade Sales: Generate Sales Invoices from Route Status Control (USA/Northern America)

ABS NUMBER	ABS-87561
PURPOSE	Extend Direct Sales Invoice generation with the option to generate these invoices also during the direct invoice generation from Route Status Control as separate invoices.
AFFECTED DIALOGUES	Maintain Sales Notes, Customers & Route Status Control
SYSTEM SETTINGS	SALESNOTEDIRECTINVOICE
MODULES	TRADE

This new development gives the possibility to have a separated direct sales invoice created also via Route Status Control (RSC). In the customer dialog the 'Direct Invoices Sales' label has been renamed to "Sales invoice default as direct" and when marked, ABSSolute will by default use the possibility to generate a separate direct sales invoice. Depending on the option chosen in the customer screen, it will be possible to generate a direct sales invoice via the standard invoice generation process in Route Status Control and/or the Maintain Sales Note dialog.

"Sales invoice default as direct" is default checked on in the customer screen and it will activate the separate invoice function for direct sales invoice via Route Status Control:

The screenshot shows the 'Inquiry Customers' dialog box with the 'Invoice' tab selected. The 'Sales Invoice Default as Direct' checkbox is checked and highlighted with a red box. The dropdown menu next to it is set to 'Route Status Control or Sales Order Invoicing'. Other visible fields include 'Number' (2000000), 'Name' (Test Customer), 'Frequency' (Direct), 'Taxable' (checked), and 'State' (dropdown). The 'Contact Person' field is empty, and the 'Layout' is set to '01 | Standard Invoice'. The 'Number of Copies' is set to 1, and 'Min. Inv. Amount' is 0.00. There are buttons for 'Comment on Invoice', 'Special Charges', and 'Appendixes'.

See next page...

When the setting has the value 'Y' in the customer dialog the “direct sales note invoice” checkbox in the Sales Note dialog will always be checked and disabled on the sales note, which will always create a direct sales invoice for the sales note:

**Sales Order**

**Add Sales Order**

✓ Save and Exit ✗ Cancel ↑ First ↑ Previous ↓ Next ↓ Last

Work Order Type: Sales Note  
Work Order No: ?  
Customer: 2000000 | Test Customer  
Department: 1 | -  
Consumption Point: 1 | -  
Reason Code: A | Sale  
Stockroom: 044

Status: Waiting for approval  
Sales Note Reference: ?  
Debtor: 2000000 | Test Customer  
Delivery Point: 1 | -  
Street: EA98B5DE26E05C  
Zip Code: RDKWY City: 13 | M

Additional Order Information | Customer Details | Terms | Representatives | Deliveries | Remarks | Financial Details | Ordered Items

**Additional Order Information**

Customer order number:   
Priority: -  
Responsible Employee: 11 | Matilda  
Contact Person: 0 | CYXF  
Communication Method: -  
Deliver From:   
☐ Directly issue ☐ From customer related stock  
☒ Stockroom  
☐ Offer ☒ Direct Sales Note Invoice  
☐ Blocked ☐ Blocked for invoice  
☐ Allow Phased Delivery ☐ Allow partial invoicing

**Printed**

☐ Picklist  
☐ Emblem Picklist  
☐ Labels

If in customer screen the option “Direct Sales Note Invoice” is selected, a separate “direct sales invoice” will be generated from Route Status Control, together with generating other (normal) direct invoices.

### 1.1.16 Direct Sales Handling Charge

<b>ABS NUMBER</b>	ABS-75844
<b>PURPOSE</b>	Possibility to invoice customers a handling fee for all direct sales orders placed via sales notes process.
<b>AFFECTED DIALOGUES</b>	Maintain Sales Notes
<b>SYSTEM SETTINGS</b>	BPGARMENTEMBLEMPROTECTION
<b>MODULES</b>	DIRECT SALES HANDLING CHARGE

A handling fee has been implemented for items sold via direct sales. A percentage of the accumulated value of all sales order and emblem lines will be added to the total amount of the sales order. This charge will be added to the invoice as a special charge invoice line and will be shown separately on the invoice.

#### Sales note

In the financial tab, a new field called “Direct Sales Handling Charge” has been added to show the calculation of the handling charge for the value of the sales order and emblem lines. The percentage is taken by default from the system setting DIRECTSALESHANDLINGCHARGE but can be modified by the user unless the system setting value is set as a fixed value.

The screenshot shows the 'Sales Order' window with the 'Financial details' tab selected. The 'Direct Sales Handling Charge' is highlighted with a red box. The calculation is as follows:

Item	Percentage	Value	Charge
Subtotal 1		45.0000	
General order discount	0.00 %		0.0000
<b>Direct Sales Handling Charge</b>	<b>4.00 %</b>		<b>1.8000</b>
Subtotal 2		46.8000	
Postage/Transport costs		0.0000	
Net order amount		46.8000	



### Calculation

The handling charge is calculated based on subtotal 1 and will not take the general order discount into account if used, which means that the handling charge will be added to the amount of subtotal 2.

Example:        Subtotal 1 (45) \* direct sales handling charge (4%) = 1.8  
                    Subtotal 1 (45) + direct sales handling charge (1.8) = 46.8

### Invoice line type

Invoice line “special charge” is used, and a new subtype called “Direct Sales Handling Charge” has been implemented:

The screenshot shows the 'Modify Invoice Line Type' window. The 'Type' field is set to 16. The 'Factory Description' and 'Description' fields both contain 'Special Charge'. The 'Include In Minimum Invoice Amount Calculation' checkbox is checked. The 'Tax Group' and 'Turnover Group' fields are empty. The 'Suppress Printing' section has three radio buttons: 'Never' (selected), 'Only when Quantity is Zero', and 'Always when Amount is Zero'. The 'Tax Type' section has four radio buttons: 'Not applicable', 'Sales' (selected), 'Rent', and 'Miscellaneous'. The 'Include PO Check' checkbox is checked. At the bottom, there is a table with columns 'Factory Description' and 'Description'. The row 'Direct Sales Handling Charge' is highlighted with a red box.

Factory Description	Description
Client Charge	Client Charge
Direct Sales Handling Charge	Direct Sales Handling Charge
Postage & Transport costs	Postage & Transport costs

### 1.1.17 New price options for systematic replacement and loss charges

<b>ABS NUMBER</b>	ABS-71967
<b>BACKGROUND &amp; PURPOSE</b>	New pricing options for loss charges and for systematic replacement. A percentage can be defined which will calculate, based on the replacement price, a new price which will be used for invoicing.
<b>AFFECTED DIALOGUES</b>	Contract Product list per customer
<b>SYSTEM SETTINGS</b>	LOSSCHARGEPERCENTAGE SHOWLOSSCHARGEPERCENTAGE SRCHARGEPERCENTAGE SHOWSRCHARGEPERCENTAGE
<b>MODULES</b>	LOSSCHARGEPERCENTAGE SRCHARGEPERCENTAGE

Based on loss charge set up and systematic replacement, the percentages and prices are shown which will be used for invoicing.

The defaults for the percentages can be defined in the system setting.

**Product List Per Customer**

**Modify Product List Per Customer**

Save and Exit Cancel First Previous Next Last

Customer: 2000171 | McDonald's UNIRI 171

Product/Model: NS21WBS | NAPKIN LEAF

Size: -

Start Date: 05/24/2019 End Date: 15

General Additional Miscellaneous AutoSell

**Billing**

Billing Method: 1) Flat Rated Rent

Circulating Inventory: 10

☒ Fixed Quantity: 0

☐ Changes / Week

☐ Charge Overuse

☐ Delivery Frequency Related Pricing

**Order & Delivery**

☒ Delayed Even Exchange

Return: Next week same route

Include: ☐ Delivery Frequency

☐ Fixed Delivery Scheme ☐ Straight Even Exchange

☐ Season Related

Seasonal Rent: Not applicable

☐ Only charge washings during inactive season

Define/View Delivery Quantities

Residual Value Scheme: -

Scheme: -

Delivery Days: MO TU B WE TH FR SA SU

**Prices (USD)**

Rental	Wash	Replace	Sales	Loss Charge	SR Charge
Current price: 2.7500		33.0000		79.2000	165.0000
Discount %:				240 %	500 %
Net price: 2.7500					

(Rounded prices)

Budget Protection: Not applicable

**Logistics**

☐ Soil Counted ☐ Issue Uniquely Coded View

Method: ☐ Automatic Sales during Issue

On-site Inventory: 0 ☐ Issue Customer Related

☐ Clean Counted ☐ Auto. Replace after Norm Lifetime

### 1.1.18 Budget protection loss charges

<b>ABS NUMBER</b>	ABS-75848
<b>BACKGROUND &amp; PURPOSE</b>	New budget protection option in Lost Product Maintenance Program. When this budget protection is activated a percentage can be set-up, so the customers are not paying the full amount of the loss price. A discount percentage will be taken into account for invoicing BACKGROUND & PURPOSES.
<b>AFFECTED DIALOGUES</b>	Contract Customer Product list per customer Consumption point logistics
<b>SYSTEM SETTINGS</b>	BUDGETPRTECTIONGLPPERC
<b>MODULES</b>	Budget Protection

Budget protection needs to be set on customer:

- Material Maintenance Protection: a .... % charging rate
- Garment Set-Up protection
- Garment Maintenance Protection
- Garment Loss Protection: a ... % Discount
- Garment Repair Protection
- Merchandize Buy-Out Protection: a ... % Discount

In the product list per customer per product the protection can be set up

The screenshot displays the 'Product List Per Customer' application window. The main window has a title bar 'Product List Per Customer' and a menu bar with 'Save and Exit', 'Exit', 'First', 'Previous', 'Next', and 'Last'. Below the menu bar, there are fields for 'Customer' (2000171), 'Product/Model' (252495), 'Size' (\*), 'Finishing Method' (HANGED), 'Start Date' (11/12/2018), and 'End Date' (06/09/2025). The 'General' tab is selected, showing 'Billing' and 'Order & Delivery' sections. The 'Billing' section includes 'Billing Method' (1) Flat Rated Rent, 'Circulating Inventory' (0), 'Fixed Quantity' (0), 'Changes / Week', 'Charge Overuse', and 'Delivery Frequency Related Pricing'. The 'Order & Delivery' section includes 'Delayed Even Exchange', 'Return', 'Include', 'Delivery Frequency', 'Straight Even Exchange', 'Inactive season', 'Define/View Delivery Quantities', and 'Issue Uniquely Coded'. A 'Prices (USD)' section shows 'Current price' (1.0000), 'Discount %', 'Net price' (1.0000), and 'Budget Protection' (None). A 'Budget Protection' dialog box is open, showing 'Save and Exit' and 'Cancel' buttons. The dialog box has a 'Budget Protection' section with checkboxes for 'Material Maintenance Protection', 'Garment Setup Protection', 'Garment Maintenance Protection', 'Garment Loss Protection' (checked), 'Garment Repair Protection', and 'Merchandise Buyout Protection'. The 'Garment Loss Protection' checkbox is highlighted with a red box. The dialog box also has a 'Specific %' field (0.0) and a '% Charging Rate' field (0.000).

When items are marked for loss charges on the invoice the loss price is taken into account with the discount defined in the product list per customer.

### 1.1.19 Credit Card Charging Frequency Phase 1

<b>ABS NUMBER</b>	ABS-62304
<b>PURPOSE</b>	Ability to store credit cards and create payment transactions to charge credit cards with a process scheduler.
<b>AFFECTED DIALOGUES</b>	Customer, Contract, Plant, Credit card transactions, Process scheduler, Route assistant
<b>SYSTEM SETTINGS</b>	CREDITCARDSCHEDULEDEFAULT
<b>MODULES</b>	ROUTE ASSISTANT, CREDIT CARD, CREDIT CARD CHARGE SCHEDULE

In contract components, a section has been added for credit card payment method

The screenshot shows the 'Modify Payment' dialog box. It has a blue header bar with the title 'Modify Payment' and an 'Apply' button. Below the header, there are two main sections: 'Payment Settings' and 'Credit Card Settings'. In the 'Payment Settings' section, the 'Payment Method' is set to 'Charge, normally paid by' with a dropdown menu showing 'Credit Card'. The 'Payment Terms' are set to 'NET30' with a dropdown menu showing 'Net30'. There is a checkbox for 'Finance charge after' and a text field for 'Days'. In the 'Credit Card Settings' section, there are two sub-sections: 'Payment' and 'Credit Card Schedule'. The 'Payment' section has three radio buttons: 'Manually create and apply' (selected), 'Generate on statement or settlement, apply when authorized', and 'Automatic on a Schedule'. The 'Credit Card Schedule' section has several radio buttons: 'Day' (selected) with a text field for 'of every month', 'Last Day Of Month', 'The' with two dropdown menus and 'of every month', 'Every' with a dropdown menu and 'of every week', 'Day After Billing Day', and 'Fixed Schedule'.

Schedule is also available on the customer

The screenshot shows the 'Credit Card Payment Schedule' dialog box. It has a blue header bar with the title 'Credit Card Payment Schedule' and a close button (X). Below the header, there are two main sections: 'Credit Card Payment Schedule' and 'Schedule'. The 'Credit Card Payment Schedule' section has a green checkmark icon and the text 'Save and Exit' next to a red X icon and the text 'Exit'. Below this, there is a text field for 'Customer' with the value '2000093'. Below the customer field, there is a row of checkboxes for days of the week: MO, TU, WE, TH, FR, SA, SU. The 'Schedule' section has several radio buttons: 'Day' (selected) with a text field for 'of every month', 'Last Day Of Month', 'The' with two dropdown menus and 'of every month', 'Every' with a dropdown menu and 'of every week', 'Day After Billing Day', and 'Fixed Schedule'.

Process scheduler will create payments which can be sent to a third party to process them from the credit card.

Credit Card Transactions

Unsettled Transactions
In Progress
Settled
Cancelled

To Be settled Credit Card Transactions

View
Settle Transactions
Cancel
Grid Views
Print

Status	Creation Date	Origin	Customer Number	Customer Name	Reference Number	Artransaction ...	Retry Trace
NEW - Not proc...	Jul 22, 2019	Settlement	2000092	Customer_CST	5440004159	9.54	141
NEW - Not proc...	Jul 22, 2019	Settlement	2000092	Customer_CST	5440004141	9.54	101
NEW - Not proc...	Jul 22, 2019	Settlement	2000092	Customer_CST	5440004144	12.72	121
NEW - Not proc...	Jul 23, 2019	Settlement	2000092	Customer_CST	5440004360	9.54	181
NEW - Not proc...	Jul 23, 2019	Settlement	2000097	CUSTOMER_CST2	5440004361	30.00	182
NEW - Not proc...	Jul 25, 2019	Settlement	2000092	Customer_CST	5440004775	9.54	241

Credit Card Transaction

Modify Credit Card Transaction

Save and Exit
Exit
First
Previous
Next
Last

Creation Date
Jul 25, 2019
Origin
Settlement

Business Unit

Customer
2000092
Customer\_CST

Status
NEW - Not processed

Payment
Settlement Results

Payment

Reference
5440004775

Amount
9.54
USD

Remit Batch

Transaction Date
Jul 31, 2019

When the transactions are created, we can receive back if the payment was successful and store the results so the invoices can be marked as completed.

### 1.1.20 ACH auto payment- Third party payment processor (banking) for ACH and Credit Card auto-payment (US)

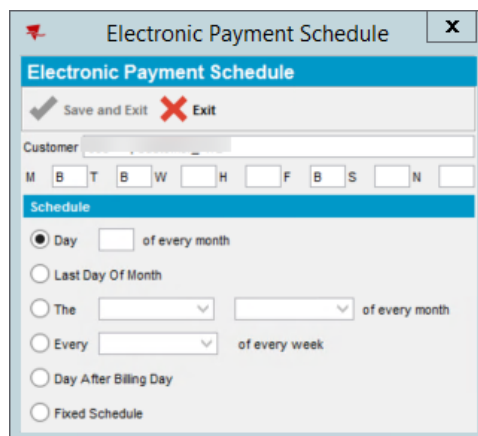
<b>ABS NUMBER</b>	ABS-85345
<b>BUSINESS LINE</b>	General
<b>BACKGROUND &amp; PURPOSE</b>	Provide automated integration with a third-party payment processor in order to send invoices or statements for automatic recurring electronic payment via either credit card or ACH, and create remit batch and application of successful payments in ABS accounts receivable
<b>AFFECTED DIALOGUES</b>	Plant, Customers, Credit Card Transactions, System User, Process Scheduler
<b>SYSTEM SETTINGS</b>	GROUPELECTRONICPAYMENTS, CREDITCARDSCHEDULEDEFAULT, ELECTRONICPAYINVSTATUS, CREDITCARDGATEWAY
<b>MODULES</b>	ACHAUTOPAYMENT

Use of this module requires a merchant ID with the designated third-party payment processor. All transactions handled through this module are passed to the processor via webservice, and all responses received in the same manner.

When using this module, at the Plant level, electronic payment credentials are set which are unique to each laundry.

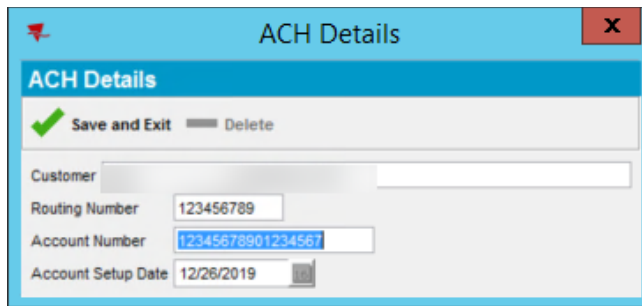
A new payment method at the Customer level is introduced – ACH.

When a customer is set to either ACH or Credit Card as their payment method, an electronic payment schedule can then be set per customer:



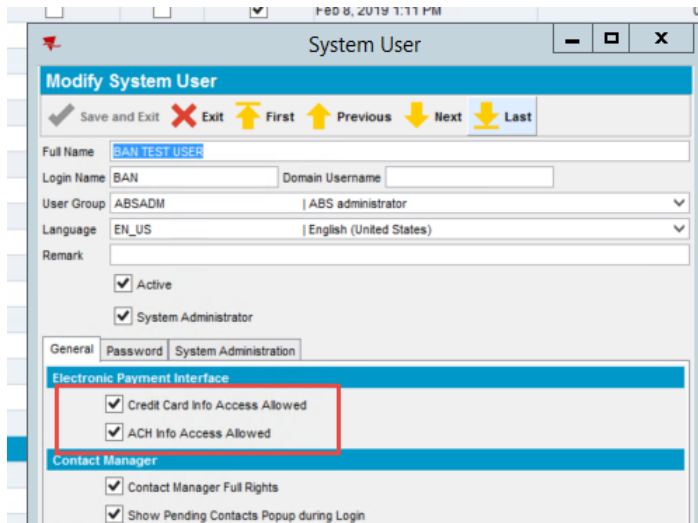
A fixed schedule can be set at the Plant level for each of the two types of payment.

The customer's Credit Card bank token ID and expiration date, or ACH routing and account number, are then stored at the Customer level as well.



The screenshot shows a window titled "ACH Details" with a close button (X) in the top right corner. Below the title bar is a blue header with the text "ACH Details". Underneath the header is a toolbar with a green checkmark icon and the text "Save and Exit", followed by a greyed-out "Delete" button. The form contains several input fields: "Customer" (empty), "Routing Number" (123456789), "Account Number" (12345678901234567), and "Account Setup Date" (12/26/2019) with a calendar icon.

Access to ACH and Credit Card information is controlled at the individual System User level:



The screenshot shows a window titled "System User" with a close button (X) in the top right corner. Below the title bar is a blue header with the text "Modify System User". Underneath the header is a toolbar with a green checkmark icon and the text "Save and Exit", followed by a red X icon and the text "Exit", and then four arrow icons labeled "First", "Previous", "Next", and "Last". The form contains several input fields: "Full Name" (BAN TEST USER), "Login Name" (BAN), "Domain Username" (empty), "User Group" (ABSADM | ABS administrator), "Language" (EN\_US | English (United States)), and "Remark" (empty). There are two checkboxes: "Active" (checked) and "System Administrator" (checked). Below these is a tabbed interface with tabs for "General", "Password", and "System Administration". The "General" tab is selected, showing a section titled "Electronic Payment Interface" with two checkboxes: "Credit Card Info Access Allowed" (checked) and "ACH Info Access Allowed" (checked). Below this is a section titled "Contact Manager" with two checkboxes: "Contact Manager Full Rights" (checked) and "Show Pending Contacts Popup during Login" (checked).

If a user does not have access rights, they will see a mask of the ACH account information, displaying only the last 3 digits. Additionally, for security this data is fully encrypted in the database.

Two scheduled processes are used in conjunction with this module – the first creates electronic transactions based on the settings at the Customer level, checking for settled invoices or statements to be paid.

The second process handles the processing of the electronic transactions using the customer's current ACH account information or Credit Card token ID, sending the transactions to the third-party processor for payment, and receiving responses back from the processor.

For successful payment responses, a remit batch is created in ABS for each payment type with the current date, and the payment is applied to the appropriate invoice (or invoices linked to a statement). These remit batches may be reviewed in ABS and must be manually closed.

For rejected payment responses, the status of the transaction is changed to Rejected, and is visible in the Credit Card Transactions dialog:



Plants

System Users

Customers

Credit Card Transactions

+

Credit Card Transactions

Unsettled Transactions

Settled

Cancelled / Refunded

To Be Settled Electronic Payment Transactions

Count: 40

Grid View A6

▼

Q View

✔ Settle Transactions

✖ Cancel

Grid Views

Print

☐ Show only Credit Card

☐ Show only ACH

Status	Creation Date	Origin	Customer Number	Customer Name	Reference Number	Ar/transaction	Retry Trace	Payment T	System U	Timestamp	Proc. Statu	Invoice#
Authorization rejected	Oct 18, 2019	Scheduled Cre...	1177 TEST-CCH			200.00		404 Credit Card	ATE	Oct 25, 201...	Allowable ...	100000361
Authorization rejected	Oct 18, 2019	Scheduled Cre...	9191 9191			8,950.00		405 Credit Card	ATE	Oct 29, 201...	Velocity am...	100000347
Authorization rejected	Oct 21, 2019	Scheduled Cre...	1188 1188			1,321.00		427 Credit Card	ATE	Oct 29, 201...	Velocity am...	100000259
Authorization rejected	Oct 21, 2019	Scheduled Cre...	1188 1188			-306.00		430 Credit Card	EGA	Oct 26, 201...	Velocity am...	10013150
Authorization rejected	Oct 21, 2019	Scheduled Cre...	1188 1188			12,123.00		428 Credit Card	APA	Oct 26, 201...	Velocity am...	100000260
Authorization rejected	Oct 23, 2019	Scheduled Cre...	1177 TEST-CCH			400.00		442 Credit Card	ATE	Oct 25, 201...	Allowable ...	100000375
Authorization rejected	Oct 23, 2019	Scheduled Cre...	1188 1188			1,700.00		444 Credit Card	ATE	Oct 25, 201...	Velocity am...	100000343
Authorization rejected	Oct 23, 2019	Scheduled Cre...	1188 1188			11,400.00		451 Credit Card	ATE	Oct 29, 201...	Velocity am...	100000380
Authorization rejected	Oct 23, 2019	Scheduled Cre...	1188 1188			4,770.30		449 Credit Card	ATE	Oct 23, 201...	Velocity am...	100000378
Authorization rejected	Oct 23, 2019	Scheduled Cre...	9191 9191			3,945.00		452 Credit Card	BAN	Nov 17, 20...	Allowable ...	100000381

Here, the user can sort by each type of transaction using the highlighted check boxes as well.

When a transaction needs to be reprocessed (after updating a customer's account info, for example) it can be manually processed from this dialog to the third-party processor.

### 1.1.21 Generate invoices: Prevent missing prices when using 'change finishing method' option

<b>ABS NUMBER</b>	ABS-90203
<b>BUSINESS LINE</b>	General
<b>BACKGROUND &amp; PURPOSE</b>	Prevent that you'll have missing prices when generating invoices after using the 'Change Finishing Method' functionality in the Product List per Customer.
<b>AFFECTED DIALOGUES</b>	-
<b>SYSTEM SETTINGS</b>	PLPCFMCHANGE
<b>MODULES</b>	-

When you were using the "change finishing method" functionality from the Product List Per Customer, then you could end up with a missing price on the next invoice because the finishing method was also updated on existing delivery and the system couldn't find an active Product List Per Customer line for it.

A new system setting PLPCFMCHANGE (Product List Per Customer Finishing Method Change) was introduced that enables the laundry to decide themselves which delivery notes should be updated. The system setting can have 3 values:

- 0 - Do not change the finishing method for existing packing notes and delivery notes, regardless of their status.
- 1 - Only change the finishing method for existing packing notes that have not been processed yet
- 2 - Change the finishing method for all existing packing/delivery notes that have not been invoiced yet

### 1.1.22 Maintain Invoices: Two new columns for settled invoices (USA/NorthernAmerica)

<b>ABS NUMBER</b>	ABS-85347
<b>PURPOSE</b>	Add new columns to the Maintain Invoices grid for settled invoices to allow user visibility to <u>check numbers</u> and <u>payment date</u> for all invoices at once
<b>AFFECTED DIALOGUES</b>	Maintain Invoices
<b>SYSTEM SETTINGS</b>	
<b>MODULES</b>	INVOICING (USA/Northern America)

For laundries using Cash Application in ABS, two new columns have been added to the Maintain Invoices grid for all tabs displaying Settled invoices.

These two columns are “Remittance Reference” and “Payment Date”:

Date	Inv.	Manual/Genera...	Real Paymen...	Customer#	Customer Name	Prebilled ...	End Year	Total Amo...	Start Week	End Week	Remittance Reference#	Payment Date
Sep 17, 2...	10000	Manual	Charge	1177	TEST-CCH	40.00	0	40.00	0	0		
Sep 17, 2...	10000	Manual	Charge	1177	TEST-CCH	270.00	0	270.00	0	0		
Sep 17, 2...	10012	Generated	Charge	1177	TEST-CCH	49.24	0	49.24	0	0	1234	17-SEP-19
Sep 11, 2...	10012	Generated	COD			155.79	0	0.00	0	0		
Sep 16, 2...	10012	Generated	COD			70.44	0	70.44	0	0		

The “remittance reference #” will display the number used when making the cash application entry – most commonly this is the check number used by the customer to pay their invoice. The payment date is the date of remittance. In the case of multiple payments on the same invoice, these columns will display the multiple values, separated by a comma.

This enhancement will make it easier for laundries to find payment information across multiple customers at the same time from the grid view.

### 1.1.23 Improve user friendliness for user defined invoice appendixes

ABS JIRA NUMBER(S)	ABS-77478
BACKGROUND & PURPOSE	Some invoice appendixes can serve multiple business lines. Until this order an invoice appendix could only be linked to one business line. With this order an invoice appendix can be linked to both residential business line and others.
MODULES	FAKT (INVOICING)
SYSTEM SETTINGS	-

#### Dialog: User defined reports

We have changed the configuration of User Defined Reports from checkmarks to radio buttons and added an “all” option – for when you need to configure the usage of the report. This way it should be clearer for the user to choose at least one option to have the report work in ABSSolute.

User Defined Report

**Add User Defined Report**

✓ Save and Exit ✗ Cancel ↑ First ↑ Previous ↓ Next ↓ Last

Description: New Report

Filename (.rpt): NewReport.rpt

Report Server Cluster: Slot 8

☒ Use as Invoice Appendix

**Print Also For**

<input type="checkbox"/> Manual Invoice	<input type="radio"/> Residential Only
<input type="checkbox"/> Direct Invoice	<input type="radio"/> Other Only
	<input checked="" type="radio"/> Both (All Services)

**Available User Groups** Count : 0 Grid View All

+ Add - Delete Grid Views Print

Code	Description

## 1.1.24 E-mailing: Separate contact person for invoices and (USA/Northern America) statements

<b>ABS NUMBER</b>	ABS-85341
<b>PURPOSE</b>	Allow for a separate contact person, with separate email address, to be set at the Customer level for invoices and statements
<b>AFFECTED DIALOGUES</b>	Customers
<b>SYSTEM SETTINGS</b>	
<b>MODULES</b>	INVOICING (USA/Northern America)

On the Customer Billing tab, a new field has been introduced for designation of the contact person for Statements:

A new field has been introduced in the database to indicate if a customer contact is the statement contact.

When adding a new contact person for the customer, the system will automatically check to see if both invoice and statement contact person are set for that customer, and will prompt the user accordingly:



The scheduled process for automatically emailing statements has been extended to check for this new designation of the invoice contact person, and will send to the appropriate email address accordingly.

This functionality allows the laundry to set the invoice contacts and statement contacts separately for a customer, if needed.

### 1.1.25 US Billing: Cash On Delivery Charge

ABS NUMBER	ABS-75847
PURPOSE	Cash On Delivery Charge is a charge applied to a COD customer that did not pay for their regularly scheduled delivery. This charge will appear, as an invoice line, on the next generated invoice after the non-payment occurred.
AFFECTED DIALOGUES	Customer, Contract, Route Assistant
SYSTEM SETTINGS	CASHDELAYCHARGE, CASHDELAYCHARGEPRICE, RASHOWTOTALTOPAY
MODULES	INVOICING (USA/Northern America)

#### General

A “Cash On Delivery Charge” is a charge applied to a COD customer that did not pay for their regularly scheduled delivery. This charge will appear, as an invoice line, on the next generated invoice after the non-payment occurred.

#### System settings

With the system setting “Cashdelaycharge” the new functionality can be set to be default being used for customers and contracts. With the setting “Cashdelaychargeprice” the default charge price can be set.

With the setting “RAshowtotaltopay” the Route Assistant settlement screen can be set to show the total amount to pay.

**Settle**

5440005754 C.O.D. 10/19/2019

Current Invoice \$ 25.00

**Total to Pay \$ 60.00**

Collected Amount \$ 60.00

Payment By ☒ Cash ☐ Check

Check \_\_\_\_\_

**Mark Other Invoices**

Please sign below Signed by \_\_\_\_\_

**Clear OK Cancel**

Functionality

The “Cash On Delivery Charge” will be calculated as a financial charge with a separate invoice sub type Cash Delay Charge.

Modify Invoice Line Type

Save and Exit

Exit

First

Previous

Next

Last

Type

13

Factory Description

Finance charge

Description

Finance charge

☐ Include In Minimum Invoice Amount Calculation

Tax Group

01

Tax group 01

Turnover Group

1000.0000

Turnover Group 01

Suppress Printing

☒ Never

☐ Only when Quantity is Zero

☐ Always when Amount is Zero

Tax Type

☐ Not applicable

☒ Sales

☐ Rent

☐ Miscellaneous

☒ Include PO Check

Special Charges

Sub Type

Count : 2

Grid View All

Modify

Grid Views

Print

Factory D...	Description	System...	Timest...
Cash Delay C...	Cash Delay Charge	SYSADM	Sep 18, ...
Finance Char...	Finance Charge	SYSADM	Dec 15, ...

Invoice Line Sub Type

Modify Invoice Line Sub Type

Save and Exit

Cancel

First

Previous

Next

Last

Factory Description

Cash Delay Charge

Description

Cash Delay Charge

☐ Specific Tax Group

The “Cash On Delivery Charge” can be set within the payment settings of a contract with the standard compliancy functionality in place related to the contract customers.

The screenshot shows the 'Inquiry Contract' window with the 'Modify Payment' tab active. The 'Payment Method' is set to 'Cash on delivery'. The 'Cash Delay Charge' is set to 5.0000. The 'Compliance Rule' window is also open, showing the 'Compliance Rule' for 'CASH | CASH Delay Charge'.

Customer N...	Name	Cash Delay Ch...	Compliance
2000153	2000153	5.0000	Compliant
2000154	222	5.0000	Compliant
2000155	www	5.0000	Compliant
2000156	RR	5.0000	Compliant
2000164	cash	5.0000	Compliant
2000174	CASH	5.0000	Compliant
2000184	RR	5.0000	Compliant
2000185	FLORIN	5.0000	Compliant
2000186	FLORIN	5.0000	Compliant
2000190	FLORIN	5.0000	Compliant
2000191	FLORIN	5.0000	Compliant
2000192	RR	5.0000	Compliant

In the customer dialog, payment tab, for Cash On Delivery (COD) customers a “Cash Delivery Charge” can be set for an individual customer.

The screenshot shows the 'Inquiry Customers' window with the 'Payment' tab active. The 'Payment Method' is set to 'Cash on delivery'. The 'Cash Delay Charge' is set to 5.0000. The 'Finance Charge' section is also visible, showing the 'Finance charge after' set to 15 days.

For every invoice, which should have been paid but has not been paid, this charge will be calculated during invoice generation and showed on the invoice as a separate invoice line.

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#### 1.1.26 New system settings for Fixed Deliver/Bill defaults

<b>ABS NUMBER</b>	ABS-77296, ABS-83630
<b>BACKGROUND &amp; PURPOSE</b>	Improve usability of module FIXEDDELIVERYANDBILLING by introducing settings for default values per plant
<b>AFFECTED DIALOGUES</b>	System Settings, Consumption Point Logistics
<b>SYSTEM SETTINGS</b>	FIXEDDELIVERYPERCENTAGE, FIXEDBILLPERCENTAGE
<b>MODULES</b>	FIXEDDELIVERYANDBILLING

An enhancement has been made for the module FIXEDDELIVERYANDBILLING, introducing two new system settings to allow the laundry to determine what the default percentage will be for each plant for the fixed delivery and fixed billing percentages. These values will be used when new records are created for products set to use a fixed delivery/bill relationship at the Consumption Point Logistics level, both via the ABS client, and for records created in settlement from the Route Assistant.

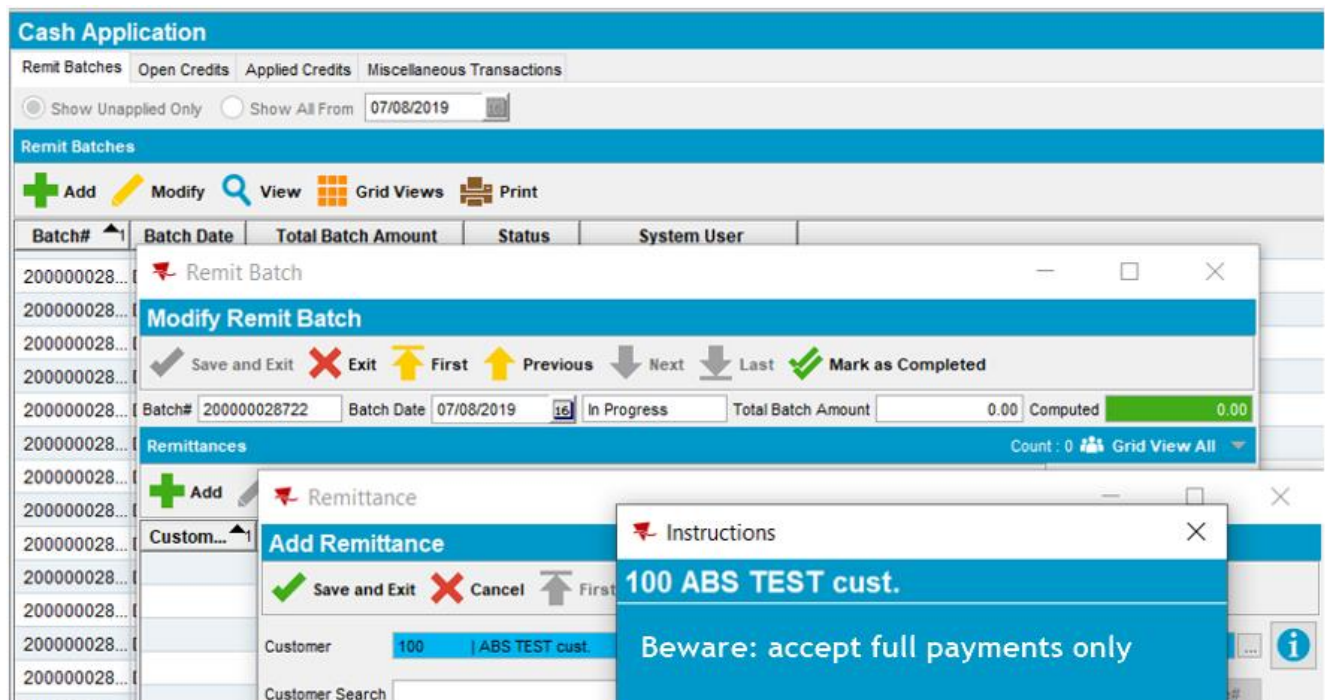
These new settings add flexibility to this module's functionality, as previously, the values had been hard coded.



### 1.1.27 Cash Application: User Instructions added (USA)

<b>ABS NUMBER</b>	ABS-53411
<b>PURPOSE</b>	Allows user to have notes / instructions per customer to show prior to entering Remit Batch
<b>AFFECTED DIALOGUES</b>	Cash Application
<b>SYSTEM SETTINGS</b>	-
<b>MODULES</b>	-

This has been developed to publish instructions while performing Accounts Receivable functions within the Cash Application. We now allow you to create User Instructions per customer that will pop-up when you are creating a remittance.



### 1.1.28 Cash application / Customer financial details (USA): Reference field for payment type

ABS NUMBER	ABS-87903
PURPOSE	Option to fill and show the payment reference in the Cash Application and within the Customer Financial Details.
AFFECTED DIALOGUES	Cash application, Customer Financial Details
SYSTEM SETTINGS	
MODULES	INVOICING (USA/Northern America)

With this new development it is possible to fill the “payment reference” when adding a remittance to a Remit Batch and select this payment reference in the Customer Financial Details dialog as a new column. The payment reference can be filled manually or by an interface.

In the sub-dialog “Add remittance” when adding a Remit batch a new field has been added where the payment reference can/will be filled:

The screenshot displays the 'Add Remittance' dialog box within the 'Cash Application' window. The dialog is titled 'Add Remittance' and features a blue header bar. It contains several input fields: 'Customer' (2000077), 'Customer Search', 'Reference#' (12), 'Payment Type' (Cash), 'Amount' (1.20), 'Discount', 'Invoice Amount' (0.00), and 'Open Difference' (0.00). There is a 'Payment Reference' field with the value 'Reference 12' highlighted by a green box. The dialog also has a 'Remark' field with the value 'Remark 12'. At the bottom, there is a 'Credit Card' section with a 'Processing' radio button set to 'Manual'. The background shows a 'Remit Batches' grid with columns for Batch#, Batch Date, and Customer#.

In Customer Financial Details a new column has been added in the “Payments” and “All transactions” tab to show the payment reference.

Payments tab:

Customer Financial Details								
Customer	2000077						Show	<input checked="" type="radio"/> All Business Units
Customer Search		Find Via Invoice #	Find via Reference Number					<input type="radio"/> This business unit only
Contact Person		Phone	1					
Invoices/Charges	Payments	All Transactions	Credit Info	Unsettled Invoices	Statements	Deliver to Customers		
<input checked="" type="radio"/> Show Open Only	<input type="radio"/> Show All From	09/23/2019						
Payments								
	Applied To		Grid Views		Print			
Date	Reference#	Type	Date Posted	Posted By	Amount	Open Amo...	Note	Payment Reference
Sep 17, 2019		Credit card	Sep 17, 2019	PBR	22.00	22.00	remark	ref
Sep 17, 2019	0	Check	Sep 17, 2019	ACA	222.00	222.00	222	222
Sep 23, 2019	44	Check	Sep 23, 2019	ACA	4.40	4.40	Remark 44	Ref 44
Sep 23, 2019	11	EFT	Sep 23, 2019	ACA	1.10	1.10	Payment 11	
Sep 23, 2019	12	Check	Sep 23, 2019	ACA	1.20	1.20	Remark 12	Reference 12

All Transactions tab:

Customer Financial Details									
Customer	2000077						Show	<input checked="" type="radio"/> All Business Units	
Customer Search		Find Via Invoice #	Find via Reference Number					<input type="radio"/> This business unit only	
Contact Person		Phone	1						
Invoices/Charges	Payments	All Transactions	Credit Info	Unsettled Invoices	Statements	Deliver to Customers			
<input checked="" type="radio"/> Show Open Only	<input type="radio"/> Show All From	06/05/2019	<input type="checkbox"/> Show Transactions	<input type="radio"/> Debit Only	<input type="radio"/> Credit Only	<input checked="" type="radio"/> Both			
Transactions									
	Paid By		Grid Views		Print				
Date	Debit/Credit	Type	Reference#	Inv# Stateme...	Amount	Total applied amount	Note	System U...	Payment Refere...
Jul 27, 2019	D	Invoice	Settlement	5440004838	7.00	0.00	Payment by route	MBO	
Sep 16, 2019	C	Payment	0	0	222.00	0.00	222	ACA	222
Sep 16, 2019	C	Payment		0	22.00	0.00	remark	PBR	ref
Sep 21, 2019	D	Invoice	Settlement	5440005728	5.00	0.00	Payment by route	PBR	
Sep 22, 2019	C	Payment	12	0	1.20	0.00	Remark 12	ACA	Reference 12
Sep 22, 2019	C	Payment	44	0	4.40	0.00	Remark 44	ACA	Ref 44
Sep 22, 2019	C	Payment	11	0	1.10	0.00	Payment 11	ACA	

### 1.1.29 Create 'Tax Amounts' per invoice line (only periodical invoicing US and EU)

<b>ABS NUMBER</b>	ABS-74890
<b>PURPOSE</b>	Creation of Tax Amounts per Invoice line when generating (periodical) invoices, accessible in ABSSolute and in database tables for Interfacing purposes.
<b>AFFECTED DIALOGUES</b>	Invoice line Generate Invoices Consolidated Invoices Maintain Invoices
<b>SYSTEM SETTINGS</b>	-
<b>MODULES</b>	INVOICELINETAX

If periodical invoices are generated and the module INVOICELINETAX is in the license of the plant then per individual invoice line, Tax Lines are created. Tax lines are available in dialog 'Maintain Invoices'. When opening an individual invoice line then an extra tab is enabled.

Taken into account:

- Periodical invoicing Canada
- Periodical invoicing US
- Periodical invoicing EU

The calculation of the total Tax on the invoice is a summarisation of the Tax per individual invoice line type, per 'State', 'County/City' and is calculated per 'Tax Type'.

ABS-APPSRV.ABS.RO workspace - Remote Desktop

**Inquiry Invoice**

Save and Exit Exit First Previous Next Last

Date: 11/13/2019

Del To Customer: 50

Bill To Customer: 50

Cost Center: 1

Remark:

Internal Remark:

Original Invoice Date:

Number: 10014143

Total Amount: 394.59

Currency:

Invoice Lines

Count: 11 Grid View Tours

Lin...	Type	Subtype	Code	Size Defm...	Quantity	Price	Disco...	Amount	Tax type	Taxable	Tax Group Code
1	Delivery (wash)	Wash LOG	201V	-	560	0.0434	0.00	24.30	Miscellaneous Tax	<input checked="" type="checkbox"/>	-
2	Delivery (wash)	Wash LOG	202	-	672	0.2595	0.00	174.38	Miscellaneous Tax	<input checked="" type="checkbox"/>	-
3	Sales	Sales Prod...	065	-	11	0.1800	0.00	1.98	Sales Tax	<input checked="" type="checkbox"/>	-
4	Sales	Sales Prod...	066	-	240	0.1800	0.00	43.20	Sales Tax	<input checked="" type="checkbox"/>	-
5	Sales	Sales Prod...	067	-	240	0.1800	0.00	43.20	Sales Tax	<input checked="" type="checkbox"/>	-
6	Sales	Sales Prod...	068	-	240	0.1800	0.00	43.20	Sales Tax	<input checked="" type="checkbox"/>	-
8000	Special Charge		8888		3	6.5000	0.00	19.50	Miscellaneous Tax	<input checked="" type="checkbox"/>	-
9500	Tax		7777		0	0.0000	0.00	2.18	Miscellaneous Tax	<input type="checkbox"/>	-
9501	Tax		7777		0	0.0000	0.00	13.16	Sales Tax	<input type="checkbox"/>	-
9502	Tax		TVQ		0	0.0000	0.00	13.13	Sales Tax	<input type="checkbox"/>	-
9503	Tax		TVQ		0	0.0000	0.00	16.36	Miscellaneous Tax	<input type="checkbox"/>	-

**Inquiry Invoice Line**

Exit First Previous Next Last

Invoice#: 10014143 Date: Nov 13, 2019

Customer: 50 CHUM

Line Details Remark Tax Details

Count: 2 Grid View All

Grid Views Print

Jurisdiction Layer Description	State	Tax Type	City/County	Tax Authority Code	Percentage	Tax Amount
State	TVQ	08		Miscellaneous	7.500	1.92
County	TVQ	7777	777	Miscellaneous	1.000	0.24

### 1.1.30 Vertex (Phase 1) Address Cleaning

<b>ABS NUMBER</b>	ABS-58862
<b>LINK(S) IN JIRA</b>	ABS-93232, ABS-93247, ABS-92242, ABS-91906
<b>PURPOSE</b>	Verify customer tax is correct based on address provided
<b>AFFECTED DIALOGUES</b>	Customer, Plant, Depot
<b>SYSTEM SETTINGS</b>	CHANGELOCATIONADDRESS, VERTEXADDRESSCLEANING, VERTEXUPDATEADDRESS, ADDRESSCLEANINGURL, ADDRESSCLEANINGSECURITY, VERTEXCONFIDENCELEVEL
<b>MODULES</b>	VERTEX + (custom development required)

This development was created in order for the Vertex interface to bypass the standard ABSSolute Tax calculation. The new field “Tax Area” is added in the customer dialog. This additional area is associated with the address (general, billing, and delivery). For every new address change, a validation is needed for this Tax Area—the validation of this process is called ‘address cleaning’. The user will not be able to update the address until a successful ‘address cleaning’ occurs.

#### PLANT:

If system setting “CHANGELOCATIONADDRESS” = N then the following fields on plant level will be disabled.

- Address
- Address 2
- Zip code
- City
- County
- State

Also, a new field on depot level is added for VERTEX called: Tax Area ID

#### DEPOT:

If system setting “CHANGELOCATIONADDRESS” = N then the following fields on depot level will be disabled.

- Address
- Address 2
- Zip code
- City
- County
- State

Also, a new field on depot level is added for VERTEX called: Tax Area ID

#### CUSTOMER:

The fields ‘Tax Area’ and ‘County’ are added to the following tab pages:

- General Tab
- Delivery Tab
- Billing Tab

**Process: Address validation is successful.**

If there is only one solution to the tax area determination from the address and either the address is the same as entered or system setting “VERTEXUPDATEADDRESS” = N then, if there is no current tax area or the tax area was not manually overridden, then the tax area ID will automatically be set, and no popup shown. If this affects multiple addresses on the customer, all will be updated at the same time.

If the address is different and system setting “VERTEXUPDATEADDRESS” = Y then it will show the popup as described below.

The screenshot shows the 'Add Customers' form in the ABSSolute system. A modal window titled 'Address Cleansing' is open in the center. The background form shows customer details for 'Phils Tractor Service' with a customer number of 2000217. The 'Address Cleansing' popup has a header bar with a red 'X' icon. Below the header, there are three buttons: 'Update All and Exit' (green checkmark), 'Update Tax Area Only and Exit' (green checkmark), and 'Cancel' (red X). Under these buttons, there are three checkboxes: 'Contact Address' (checked), 'Delivery Address' (checked), and 'Billing Address' (unchecked). The popup displays two address sections: 'Current Address' and 'Cleaned Address'. The 'Current Address' section shows 'Address Line 1' as '37 Bligh Street', 'Address Line 2' as 'Brooksville', 'City/State/Zipcode' as 'Boston Massachusetts', and 'Country' as 'US | USA'. The 'Cleaned Address' section shows 'Address Line 1' as '37 Bligh Avenue', 'Address Line 2' as 'Brooksville', 'City/State/Zipcode' as 'Boston Massachusetts', and 'Country' as 'US | USA'. The 'Tax Area' field is highlighted in green and shows the value '02114' for the current address and '028521221' for the cleaned address.

If multiple addresses can be updated against the customer, then the tick boxes at the top will indicate which ones will be updated by this change. These tick boxes can be unticked to manually stop the change to one of the addresses.

It is possible that this popup will be shown more than once on save and exit if there are different addresses for Contact, Delivery and Billing.

Save and exit is not processed until all addresses are cleaned.

### Process: Address Validation fails:

If address validation fails, then there may be many different possibilities for the tax area. These will be displayed in the grid below with the highest confidence factor address shown at the top and automatically selected. The user can then select anyone of the returned records.

**Add Customers**

Save Cancel

Number: 2000217 Name: Phils Tractor Service Legacy Customer Number:

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

**General**

Legal Name: Phils Tractor Service Search Name: PHILS TRAC Contract(s):

Bill To Customer: 2000122 Phils Vehicle Maintenance Subcontractor:

Subcontract Partner: Default processing BU: 044 Default invoicing BU: 044

**Contact info**

Address Line 1: 37 Bligh Street Address Line 2: Brookville City/State/Zipcode: Boston Massachusetts Country: US USA E-Mail address: phil@tractorusa.com Sales Empl: 1 ?

**Categories**

Market Segment: 811121 Automotive Body, Paint, and Sales Area: 01

**Miscellaneous**

Master Account: Not Applicable Remark: Common Customer: ?

**Address Cleansing**

Update All and Exit Update Tax Area Only and Exit Cancel

☒ Contact Address ☒ Delivery Address ☐ Billing Address

**Current Address**

Address Line 1: 37 Bligh Street Address Line 2: Brookville City/State/Zipcode: Boston Massachusetts Country: US USA Tax Area: 02114

**Returned Addresses**

Confidence	County	State	City	Tax Area
65	00000000000000000000	000000000000000000	000000000000000000	028901221
35	00000000000000000000	000000000000000000	000000000000000000	028901221

If the county and or city for the selected returned Tax Area ID is different to the current ones in ABSSolute, these will be updated.

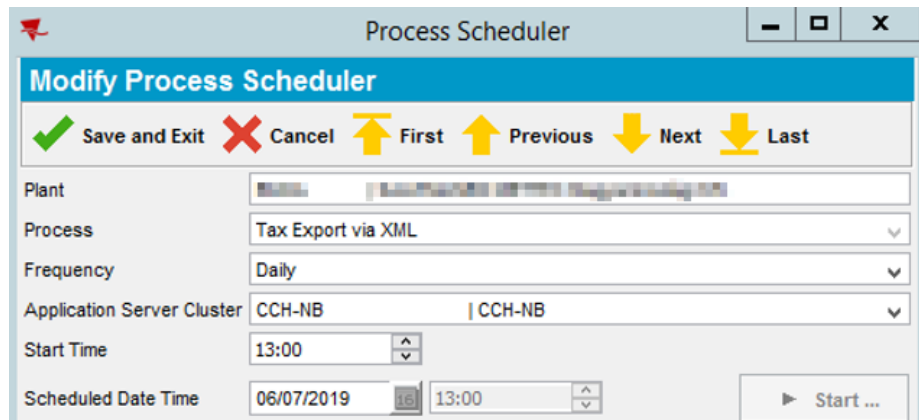
If multiple customer addresses on the customer are the same, then all tax areas, city and/or county can be updated at the same time via the tick boxes in the header. In the example above, the billing address tick box is disabled as the customer is not its own bill-to account (so the bill-to address is owned by a different customer number).

### 1.1.31 Hungarian Tax interface: Store XML export

<b>ABS NUMBER</b>	ABS-79497
<b>PURPOSE</b>	Extend the Hungarian Tax export interface with the possibility to store the XML file
<b>AFFECTED DIALOGUES</b>	System Setting / Tax Export Status Control / Process Scheduler
<b>SYSTEM SETTINGS</b>	EXPDIRXMLORDERFORM
<b>MODULES</b>	-

With this request, the HU Tax interface has been modified to have the possibility export the Invoice data exported to an XML file. With the system setting (already existed) EXPDIRXMLORDERFORM, the location for the export is specified.

By setting a newly scheduled process, the invoice data will now be scheduled for export:



IN the background the same logic has been maintained, meaning the invoices are still grouped in batches of 100 items and credit invoices are exported later than the original invoices.



### 1.1.32 Scheduled processes: Allow user to administer processes outside functional cluster

ABS NUMBER	ABS-86008
PURPOSE	Allow user to administer scheduled processes on any cluster, no matter which server they are currently connected to
AFFECTED DIALOGUES	Process scheduler
SYSTEM SETTINGS	
MODULES	

Previously, in order to administer a scheduled process, including manually run a scheduled process, a user was required to be connected to the application server linked to the Application Server Cluster on which that scheduled process was set up.

This has been changed to make it easier for system administrators to work with scheduled processes. It is now no longer required that the user needs to be connected to the linked application server in order to do this administrative work on scheduled processes.

### 1.1.33 Workstation: Show assigned document / label printer(s) in the grid of workstations

ABS NUMBER	ABS-73610
PURPOSE	For fast and accurate support purposes the grid of the workstation dialog has been extended with extra columns to show what document and or label printer(s) are connected to a workstation. Before one had to go into the detail form of the workstation to see what printers are assigned to the workstation.
AFFECTED DIALOGUES	Workstation
SYSTEM SETTINGS	-
MODULES	-

Two columns are added to the workstation grid view: A column 'Printers' and a column 'Label Printers'. These columns are populated with the name of the (label) printer. In case more than 1 printer is assigned - it will show <multiple>.

This benefit makes it possible to reverse lookup information regarding to printers; you can now easily identify all systems that are using a particular (label) printer. Also sorting is supported.

### 1.1.34 LDAPS Security Protocol

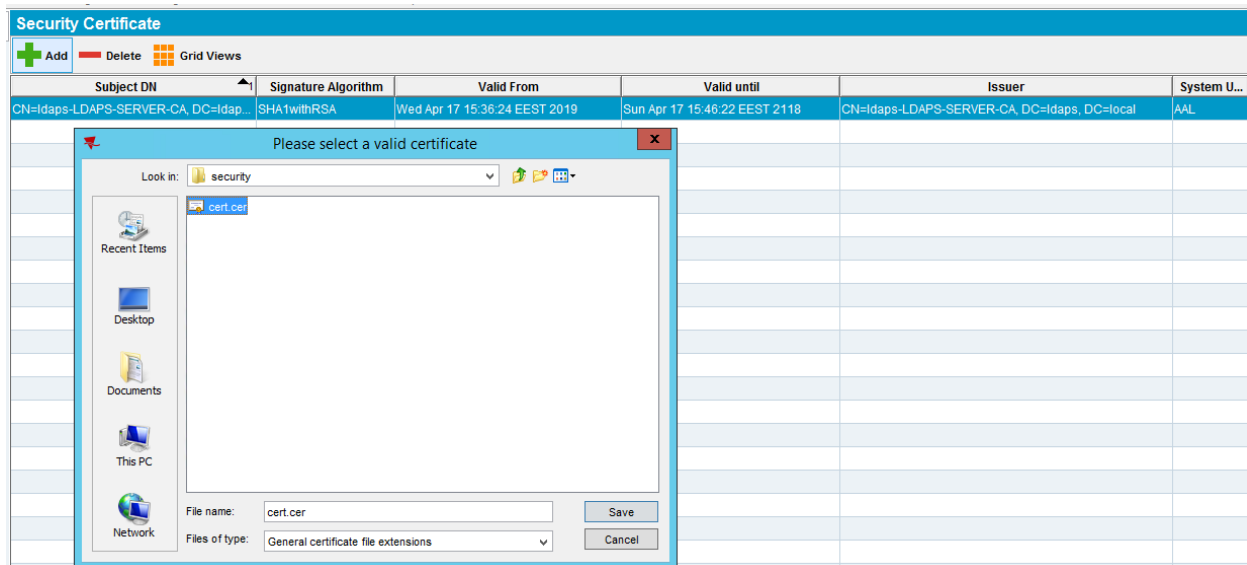
<b>ABS NUMBER</b>	ABS-65154
<b>BACKGROUND &amp; PURPOSE</b>	Have ABS Connections to Active Directory support secure connections
<b>AFFECTED DIALOGUES</b>	Login Dialog, Security Certificate
<b>SYSTEM SETTINGS</b>	-
<b>MODULES</b>	BKLBASIS, PWBBASIS, WISBASIS, FAKT and RAS

With this order the existing LDAP integration feature of ABSSolute has been enhanced to support the encrypted LDAPS protocol compatible with Windows server 2012 Active Directory and higher.

The LDAPS integration is available for Client and Touchscreen.

There is a new dialog available to centralize certification. Here certificates will be entered which will be stored in the database. The user can add and remove certificates from this dialog.

These certificates can be set up also for communicating secure (TLS/SSL) in general (not only with LDAPS). Both server and client can communicate encrypted/secure with other endpoints/software by adding trusted certificates in ABSSolute dialog/database.



### 1.1.35 Spark label printing: Extra fields for route sorting

<b>ABS NUMBER</b>	ABS-81830
<b>PURPOSE</b>	Extra fields that are needed when the module “route sorting” is in the license file to display the added fields in the application also in Spark to print them on code and name labels.
<b>AFFECTED DIALOGUES</b>	-
<b>SYSTEM SETTINGS</b>	-
<b>MODULES</b>	ROUTE SORTING

In order to match the new added fields for the route sorting module spark has been extended with three new fields coming from the route stop code

The screenshot shows the 'Inquiry Customers' interface. At the top, there are tabs for 'General', 'Ordering', 'Delivery', 'Garments', 'Garment Charges', 'Web Portal / App', 'Billing', 'Payment', and 'Flex Fields'. The 'Delivery' tab is selected. Below the tabs, there are fields for 'Number' (2000079), 'Name' (Elmer B2), and 'Legacy Customer Number'. The 'Delivery At' section shows 'Address Line 1' (parkweg 24), 'Address Line 2', 'City/ State/ Zipcode' (Boxtel, MaSS, 123456), and a 'Container Recording' button. The 'Route Stops' section is visible, showing a table with columns: Day, Route Number, Stop Num..., Delivery Sche..., Delivery P..., Date Active, Date Inact..., and Route Stop Code. The 'Route Stop Code' column is highlighted with a red box, showing the value 'ZZ2040'.

Day	Route Number	Stop Num...	Delivery Sche...	Delivery P...	Date Active	Date Inact...	Route Stop Code
Monday	02	001W01			Jun 12, 2019		ZZ2040

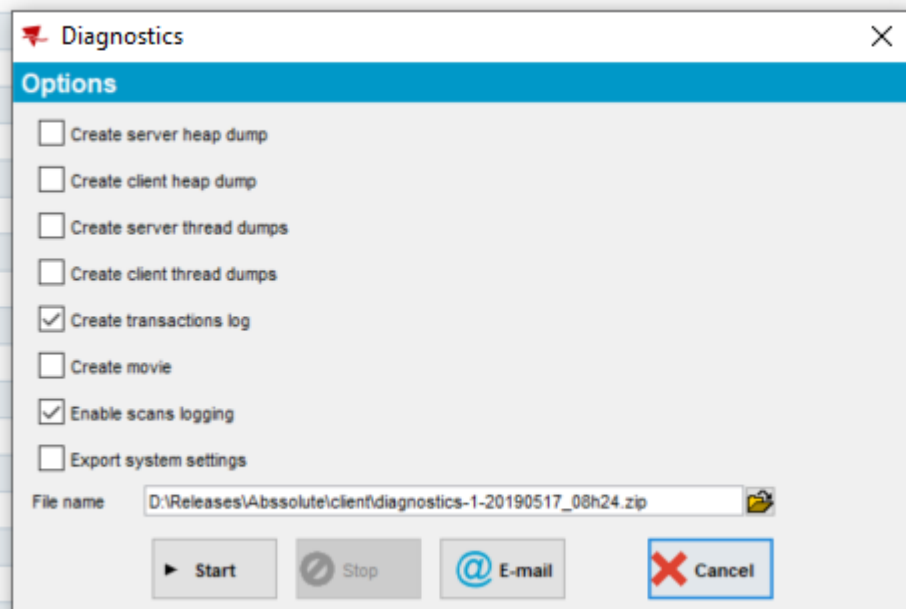
Now when printing a label file to Spark the following fields are additionally exported:

- Route Stop Code
- Route stop sort sequence
- Driving day number

### 1.1.36 Optimized retrieval of ABSSolute diagnostics

<b>ABS NUMBER</b>	ABS-68255
<b>BACKGROUND &amp; PURPOSE</b>	Added option in Diagnostics to copy and change the folder/filename and send diagnostics via email.
<b>AFFECTED DIALOGUES</b>	Diagnostics
<b>SYSTEM SETTINGS</b>	-
<b>MODULES</b>	-

When you create diagnostics in ABSSolute, you can now copy and change the file location to determine where the diagnostics file is stored. Besides this, the diagnostics file can be sent by email.



### 1.1.37 Menu navigation in touchscreen style

<b>ABS NUMBER</b>	ABS-81655
<b>PURPOSE</b>	Dialog buttons suitable for Touch Screen usage
<b>AFFECTED DIALOGUES</b>	-
<b>SYSTEM SETTINGS</b>	TOUCHSCREENFRIENDLYMENU
<b>MODULES</b>	-

With the “touchscreen-friendly-menu” look, the menu items will show as bigger buttons with a bigger font, so easier to touch and easier to read. Also, the menu search feature in the sidebar menu is not shown in touchscreen-friendly look. This functionality is particularly useful for users in production.

The touchscreen-friendly look is activated by a combination of an (existing) workstation setting and a (new) system setting. When both WORKSTATION.TOUCHSCREENCONNECTED='Y' AND system setting 'TOUCHSCREENFRIENDLYMENU' = 'Y' only then the touchscreen-friendly look is shown. (the reason for the system setting: to prevent that after an update user all of a sudden see a different menu look).



## 2 LINEN SERVICES

This section contains the main linen specific improvements to ABSSolute.

### 2.1 Curtain Services (NEW!)

ABS NUMBER	ABS-84144
PURPOSE	Registration of unique curtains and invoice them by piece, square meter/feet or weight.
AFFECTED DIALOGUES	Curtains, Outscan curtains, Weighing category per customer
SYSTEM SETTINGS	
MODULES	CURTAINS

A new module is developed to register curtains and scan them when delivering, and charge the customer by piece, weight, or square meter/feet.

It is decided to register curtains as clean weight. Therefore, in weighing categories per customer a weighing category can be marked as “used for curtains”.

The “special use for” square meters/feet will allow the employee to enter length and width when receiving the curtains.

**Weighing Category Per Customer**

**Modify Weighing Category Per Customer**

Save and Exit Exit First Previous Next Last

General Special Charges

**General**

Customer 1000 | Elderyhome Amsterdam

WeighingCategory CM2 | Curtains M2

Start Date 09/10/2019 16

End Date 16

Special use for M2 ☒ Extra input for Quantity, Length and Width

Remark

☒ Used for Curtains

To make curtains unique, a new ID code range for curtains is introduced

ID Code Ranges						
ID Codes to Identify <span>Curtains</span>						
ID Code Ranges						
Add            Modify            Delete            Duplicate            Grid Views            Print						
Business Unit	Primary	Type	Length	Start Value	End Value	Generate
1	<input checked="" type="checkbox"/>	Barcode	5	00000	99999	<input checked="" type="checkbox"/>

A new dialog is made to assign new curtains.

Curtains are charged by square meter/feet or weight, but both can be registered for every curtain.

In case a (new/unknown) curtain comes into the laundry, a pre-printed barcode is heatsealed into the curtain after which the customer, department etc is filled as well as the dimensions.

Add Unique Curtain																			
Save            Cancel																			
ID Code <span>00001</span>																			
Last scanned: 00001																			
Customer	<span>1000</span>   Elderyhome Amsterdam	Curtain	CKG																
Department	<span>1</span>   Department 1	Colour																	
Distribution Point	<span>1</span>   Default Consumption Point	Fabric																	
Room	<span>100</span>	Wash Process																	
Details		Outscans																	
Width	<span>100</span> Cm	Stay																	
Length	<span>140</span> Cm	Last Inscan																	
Weight	<span>0.75</span> Kg	Repairs																	
Nr. of Washes	<span>0</span>	Rewashes																	
Remark																			
		<table border="1"> <thead> <tr> <th>Timestamp</th> <th>Note number</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>		Timestamp	Note number														
Timestamp	Note number																		

A special outscan dialog is created to scan curtains after washing

**Outscan Unique Curtains**

ID Code

Previous Scan: 00001

Customer 1000 | Elderyhome Amsterdam

Department 1 | Department 1

Distribution Point 1 | Default Consumption Point

Room 100

Curtains Scanned

**Curtain Details**

Curtain CKG |

Stay 20 | Scanned out / At Customer

Last Inscan Sep 17, 2019 3:48 PM

Remark

Out scanned curtains are added on a delivery note with origin 'Curtains'. In this way there is a delivery document for the curtains, and the curtains will be charged on the next invoice.

In example below there is a curtain of 210 \* 150 cm. This is 3.15 m2. This is added as a "weight" on the delivery note.

**Delivery Note**

**Modify Delivery Note**

✓ Save and Exit ✗ Exit ↑ First ↑ Previous ↓ Next ↓ Last

**Note**

Note Number 8000002046 ... In progress

**Ship To**

Customer 1000 | Elderyhome Amsterdam

Department 1 | Department 1

Distribution Point 1 | Default Consumption Point

Delivery Point DP3 | 33

Occupation 0%

**Delivery**

Delivery In TR1 | Transport Article 1

Delivery Date 09/19/2019 16 Thursday, week 38

Remark

PN Remark

**Weighing/Containers**

+ Add ✏ Modify - Delete + Scan Empty Co

Seq.#	Container ID	Weight Category	Gross
1	CM2	3.15	

**Container Completeness Check Info**

Scanned In  Scanned Out

▶ PgDn Next Screen

**Record Weight**

**Modify Record Weight** COM 1 SRT

✓ Save and Exit ✗ Exit ↑ First ↑ Previous ↓ Next ↓ Last

Customer 1000 | Elderyhome Amsterdam

Department 1 | Department 1

Cons. Point 1 | Default Consumption Point

**Record Weights**

Weight Category CM2 | Curtains M2

Quantity in piece 1

Length x Width 210 x 150 In Centimeters

Special Quantity 3.15 in M2



A new invoice line sub-type is added for curtains. So curtains are separated from normal weights on the invoice. Note: define your turnover group to be associated.

**Modify Invoice Line Type**

Save and Exit Exit First Previous Next Last

Type: 4

Factory Description: Clean Weight

Description: Clean Weight

☐ Include In Minimum Invoice Amount Calculation

Tax Group: 2 | VAT (19%)

Turnover Group:

Suppress Printing: ☐ Never ☐ Only when Quantity is Zero ☒ Always when Amount is Zero

Special Charges Sub Type Foreign Descriptions

Count : 3 Grid View All

Modify Grid Views Print

Factory Descripti...	Description
Curtains	Curtains
Special use	Special use
Weight recording	Weight recording

## 2.2 Load Optimizer and Linen Smoother: Combined features

<b>ABS NUMBER</b>	ABS-86049
<b>PURPOSE</b>	Enables the option to lower ordered quantity in case of a structural shortage, while also working with optimized containers/carts.
<b>AFFECTED DIALOGUES</b>	Customer Linen Smoother
<b>SYSTEM SETTINGS</b>	-
<b>MODULES</b>	Load Optimizer Linen Smoother

It now gives the option to allow the combination of two powerful modules:

**Load Optimizer** which will generate a single packing note for each transport item (container / cart / bag), so that they are all packed as efficiently as possible. Target: less transportation of “air”.

**Linen Smoother** which allows a production manager to manage the available stock of clean pool items – when there is a structural shortage to meet the total requirement, the module can help with lowering the ordered quantities over multiple / all customers. This way multiple customers will be getting a share of the shortage. This in an intelligent way. Discrimination between Customers/Departments can be made.

The benefit of this change is that from now on, if the customer’s order is normally optimized into 5 containers, and the laundry needs to lower ordered quantities with 25%, then the customer will receive 4 re-optimized containers, instead of 5 containers which only would be 75% full.

The general logic of both modules has not been changed.

Also, a time-selection option has been added to the Linen Smoother, so you can only lower orders until a specific packing deadline, when you expect to be able to pick up production speed later during the day.

**Linen Smoother**

Date: On Production Date 12/23/2019

☐ Driving Date

☐ Packing Department

From Customer: ? To: ?

☐ Show only until packing deadline 04:46 PM

**Pre-Packing Notes**

View Reduce Make Packing Notes Cancel Grid Views Print

Note Number	Customer Nu...	Customer Name	Department	Distribution ...	Delivery Date	Route	Route Desc.	Reduce	Packing D...
40001690	110012	Customer #12	1	1	Dec 23, 2019	123321	MON_ROUTE	No Factor	12:00 AM

## 2.3 Ordering and billing split by customer reference

<b>ABS JIRA NUMBER(S)</b>	ABS-62046   ABS-62575   ABS-63701   ABS-69070   ABS-69071
<b>BACKGROUND &amp; PURPOSE</b>	Track and trace of customer orders based on 'Customer reference'. Solution is created to provide EDI information per customer reference, on ordered, delivered and invoiced qty's, which are provided to the EDI company to keep track per customer reference.
<b>MODULE(S)</b>	PACKINGNOTEBYREFERENCE   INVOICEBYREFERENCE
<b>SYSTEM SETTING(S)</b>	PNSPLITBYDVREFERENCE CONSIGNMENTNOTEDVREFERENCE CONSIGNMENTNOTELEVEL USECUSTREFERENCEFILTER

### Module: PACKINGNOTEBYREFERENCE | INVOICEBYREFERENCE

With this version ABS introduces two new modules called 'PACKING NOTE BY REFERENCE' and 'INVOICE BY REFERENCE'. In this chapter the functionality behind those two modules is described.

#### Dialog: Customer

In case the new module 'PACKINGNOTEBYREFERENCE' is part of the license, then in the customer dialog you can configure a new Consignment Note Layout option called 'Customer Reference'. This via a new system setting CONSIGNMENTNOTELEVEL = option 4 (Customer Reference) is only available when the new PACKINGNOTEBYREFERENCE module is in the license or when the new system setting CONSIGNMENTDVREFERENCE = 1.

The screenshot shows the 'System Settings' dialog for 'Customers'. The 'Delivery Schemes' tab is active, displaying a grid for delivery schedules. A red arrow points to the 'Consignment' dropdown menu, which is open, showing options: 'Customer', 'Customer Reference', 'Delivery Point', and 'Department'. The 'Customer Reference' option is highlighted. The interface also shows fields for 'Address Line 1', 'City/Province/Zipcode', 'Delivery Settings', and 'Delivery Documents'.

For being able to divide invoices per customer reference, a customer billing setting can be configured to 'Separate Invoice Per = Per customer reference', which is only available when INVOICEBYREFERENCE is in the license. In this case there will be 3 options:

Periodical Invoice:

- No split up
- Split up per cost center
- Split up per customer reference
- 

The screenshot shows the 'Modify Customer' dialog box with the 'Periodical Invoice' tab selected. The 'Send Invoice To' dropdown menu is highlighted with a red circle, showing three options: 'No split up', 'Per cost center', and 'Per customer reference'. The 'Per customer reference' option is currently selected and highlighted in blue. Other visible fields include 'Frequency' (10), 'Cluster', 'Separate Invoice Per' (Per customer reference), 'Extra Name 1', and 'Extra Name 2'.

#### Dialog: Delivery variations

In case the new module 'PACKINGNOTEBYREFERENCE' is part of the license, then when generating packing from the 'delivery variations' dialog, the user gets an extra option to split the to be generated packing notes by customer reference number.

### Dialog: Generate Packing Notes | Route Status Control | Stock count Order Status

In case the new module 'PACKINGNOTEBYREFERENCE' is part of the license, then when generating packing from the 'generate packing note' dialog, the user gets an extra option to split the to be generated packing notes by customer reference number. See example picture below.

**Generate Packing Notes**

Selection on: ☐ Date only, all routes ☐ Route/Depot ☒ Customer

Sort notes on: ☒ Route/Stop Number ☐ Reversed Route/Stop Number ☐ Customer

Delivery Date: 01/29/2019 16 Tuesday, week 05

☒ Skip departments if expected stock count information is not yet received

☐ Process standard deliveries only ☐ Include Holiday Usage Factor

**Route/Depot Selection**

From Depot: [ ] to [ ]

From Route: [ ] to [ ]

**Customer Selection**

From Customer: 22 | [ ] to 1980 | [ ]

From Department: [ ] to [ ]

From Distribution Point: [ ] to [ ]

**Production at**

From Packing Department: 1 | Production [ ] to 1 | Production [ ]

Production Date: 01/29/2019 16 Tuesday, week 05

Packing Deadline: 09:57 AM

☐ Split by Reference #

OK Cancel

### Dialog: Maintain Packing - & Delivery Notes

In case the new module 'PACKINGNOTEBYREFERENCE' is part of the license, then a new column called 'Reference' becomes visible / selectable .

**Maintain Packing and Delivery Notes**

All Customer

Date On Production Date 02/13/2019 16

Status ☒ Packing note ☐ Route Date 02/13/2019 16

☐ Delivery Note in Progress Route

☐ Printed(finalized) Delivery Note ☒ Packing Department 1 Production

☐ Cancelled ☐ Only Not Invoiced

Show ☒ Only Notes with reference# 2

**Packing and Delivery Notes**

Modify Reprint Note Process to Delivery Note Cancel Assign Not Linked

Type of note	Note number	Reference Number	Customer	Customer Name	Departn
Packing note	105490662	2	22	Hopital Notre-Dame	

In case the new module 'PACKINGNOTEBYREFERENCE' is part of the license, then when processing (& printing) packing notes into delivery notes the user will get a pop-up question with the question to create the consignment note when the last packing note belonging to the same customer reference is about to be processed into delivery note. This pop-up question of course only arises for customers who are set-up for receiving consignment notes, else this pop-up will not arise.

**Question**

?

This is the last delivery note for customer 50, on date 2/18/19 12:00 AM, having reference #12345678, do you want to print the consignment note?

Yes No

### Dialog: Consignment note

In case the new module 'PACKINGNOTEBYREFERENCE' is part of the license, then consignment notes can be generated and divided by customer reference.

When a customer is selected who is set-up to have consignment notes on reference, then the new combo box is populated with all references for that customer / delivery date.

The user can tick the [ ] All box to generate consignment notes for all references in one go, but also in this way the consignment notes will be created per split per customer reference.

The screenshot shows the 'Consignment Note' dialog box. The 'Action' section has three radio buttons: 'Generate and Print' (selected), 'Reprint', and 'Cancel Note Number' with an adjacent text field. The 'Selections' section contains several criteria: 'Delivery Date' (02/13/2019, Wednesday, week 07), 'Route' (radio button), 'Customer' (radio button, selected, dropdown shows '50 | CHUM'), 'From Department' (dropdown), and 'From Delivery Point' (dropdown). Each criterion has a 'to' dropdown and an 'All' checkbox. The 'Reference' dropdown is circled in red, and its 'All' checkbox is also visible. At the bottom are 'OK' and 'Cancel' buttons.

## BILLING & FINANCIALS

In addition to the new module 'PACKINGNOTEBYREFERENCE' another new module called 'INVOICEBYREFERENCE' is introduced in this release to be able to also split invoice by customer reference.

### Dialog: Generate Invoices

In case the new module 'INVOICEBYREFERENCE' is part of the license, then when generating test invoices an extra option is available to split invoices by customer reference. In that case all delivery notes having the same customer reference will be combined on one invoice. The "generate invoices" dialog has not been changed. It's the invoice generation process which will divide and create separate invoices per customer reference, depending on the customer configuration 'Separate Invoice Per = Per customer reference'.

### Dialog: Finalize Invoices

In case the new module 'INVOICEBYREFERENCE' is part of the license, then when finalizing invoices an extra option is available to split invoices by customer reference. In that case all delivery notes having the same customer reference will be combined on one invoice.

The 'split-up code' field in invoice is filled with the reference. These invoices will only contain charges related to the delivery notes with these references. So delivered products (wash costs) and special charges linked to the delivery notes.

All other charges, like for example rent, will be on a separate invoice with split-up code = 0

Since the reference number is saved in the invoice header, this can also be printed on the invoice, depending on the invoice layout.

The "print invoices" dialog has not been changed. It's the invoice generation process which will divide and create separate invoices per customer reference, depending on the customer configuration 'Separate Invoice Per = Per customer reference' and finalize the invoices based on customer reference.

#### Dialog: Maintain Invoices

In case the new module 'INVOICEBYREFERENCE' is part of the license, then a new column called 'split-up code' will become visible / selectable.

Maintain Invoices								
All Customer								
Customer 7   Test customer HVL								
Test Final								
Show From 02/11/2019 16								
Final Invoices								
View Credit This Invoice Print Invoice Print Appendixes E-Mail Invoice Grid Views Print Grid Load More								
Date	Invoice#	Manual/Genera...	Real Paymen...	Amount	Total Amo...	Split-up code	Split-up description	Amou
Mar 1, 2019	10014074	Generated	Charge	18.43	18.43	REF4ABS	Split by customer reference	
Mar 1, 2019	10014073	Generated	Charge	33.83	33.83	REF3ABS	Split by customer reference	
Mar 1, 2019	10014072	Generated	Charge	201.52	201.52	REF2ABS	Split by customer reference	
Mar 1, 2019	10014071	Generated	Charge	13.53	13.53	REF1ABS	Split by customer reference	
Mar 1, 2019	10014070	Generated	Charge	732.69	732.69	0	Split by customer reference	



## 2.4 Pool Items lost inside Laundry

<b>ABS NUMBER</b>	
<b>PURPOSE</b>	Make it visible how many pool items that arrive at the plant, but goes missing during the laundry process
<b>AFFECTED DIALOGUES</b>	Process Schedule and Maintain Unique item (and BI ETL)
<b>SYSTEM SETTINGS</b>	POOLITEMSLOSTINPLANTDAYS
<b>MODULES</b>	-

Especially when working with customer-related or owned pool items, it can be important for a laundry to prove to their customer how many (if any) pool items get lost in the laundry process.

When the new system setting POOLITEMSLOSTINPLANTDAYS gets a value above 0, a new process can be scheduled to identify the unique items which will be considered as lost.

If a lost item later is scanned anywhere else, it will then be considered as “found.” And if a lost item is ragged, it will no longer be considered as lost.

Reporting on the Lost and Found items inside the laundry will be possible via Business Intelligence (BI).

## 2.5 Route Assistant: Extend Billing method 1, Systematic replacement method

ABS JIRA NUMBER(S)	ABS-76880
BACKGROUND & PURPOSE	Extend "Route Assistant" and WebclientX "Route Check In" to allow for management of Systematic Replacement percentage on Billing Method 1 products
MODULES	CONTRACT MANAGEMENT   ROUTE ASSISTANT ANDROID
SYSTEM SETTINGS	-

### Dialog(s): "Route Check-in" new style (WebClientX)

For products set up at the Product List per Customer or Contract Product level as Billing Method 1 with a standard delivery quantity, that have a systematic replacement percentage set, this percentage is now displayed (and editable) on the Route Assistant:

In the Route Check In dialog, this field has also been added so that the data is displayed, and can be edited as needed:

	Contract	New
Systematic Replacement %	12.75	19.95
Billing Quantity	0	145
Rent	\$0.5000	0.5000
Replacement	\$5.0000	5.0000

## 2.6 Route Assistant & Route Check-In WebClientX: Extension soil count loss/abuse functionality

<b>ABS NUMBER</b>	RASA-1032
<b>PURPOSE</b>	To allow the Route Assistant user to enter counts for abused or lost soil-counted items on the Route Assistant App and allow the route manager to review these counts in the route check in process.
<b>AFFECTED DIALOGUES</b>	Route Check In (WebClientX)
<b>SYSTEM SETTINGS</b>	SOILCOUNTLOSS, DELIVERSOILLOSSQUANTITY
<b>MODULES</b>	SOILCOUNTLOSS

In addition to allowing the route driver to enter soil counts on the Route Assistant, some laundries find it beneficial to have their driver enter counts for items that have been lost or damaged by the customer as well. With this module, the soil count entry screen on the RA has two additional fields for every product – Ruin (damaged) and Loss:

The screenshot shows the 'Soil Count Entry' interface. At the top, there's a blue header with a red logo and a checkmark. Below the header, the product name 'SHOP TOWEL PLAIN 18X18' is displayed, followed by 'Inventory: 600'. The main area contains three rows of input fields: 'Soil Count' with a value of 150, 'Ruin' with a value of 5, and 'Loss' with a value of 3. Each row has minus and plus buttons for adjustment. At the bottom, there are 'Previous' and 'Done' buttons.

The soil count review screen also displays all three types of counts for each product that the Route Sales Rep/ driver can work with:

Select product			
#64			
Account #			
	Soil Count	Ruin	Loss
FENDER SEAT COVER 36X60	5	-	-
SHOP TOWEL PLAIN 18X18	150	5	3

The WebClientX 'Route Check In'-dialog has also been extended with a new tab for the review of soil counts:

ABS

Route Details

Route Check In / Route Details

Route Information

Date

01/08/2020

Route

10 - 10 WEDNESDAY

Route Man

Route Manager

OVERVIEW

INVOICE ADJUSTMENTS (0)

ORDERS (0)

CONTRACT ADJUSTMENTS (0)

SOIL COUNTS (40)

Soil Counts

Stop	Customer Number	Customer Name	Product Desc	Size Code	Inventory	Count	Ruin	Loss
2			FENDER SEAT COVER	36X60	6	5		
2			SHOP TOWEL PLAIN	18X18	600	150	5	3
3			SHOP TOWEL PLAIN	18X18	600	50	2	12
3			FENDER SEAT COVER	36X60	6	1	1	1
3			MOP SYNTHETIC BLN	36	4			
3			WET MOP NYLON	LGER	4	1		

Here the route manager is able to view, and edit if needed, any of the soil, ruin or loss counts which were entered by the driver on the Route Assistant.

Additionally, a new system setting "DELIVERSOILLOSSQUANTITY" has been introduced, which allows the laundry to determine if any loss quantity entered, creates a delivery variation for the lost product or not. This would mean that the lost items will be charged, and to keep the inventory level as agreed, the lost items will be replenished.

## 2.7 Stock Count / Order Status: Show standard delivery quantity

<b>ABS NUMBER</b>	ABS-75762
<b>BACKGROUND &amp; PURPOSE</b>	In order to provide the user who enters / manages the order quantities manually in the “stock count order status dialog”, more insight in the regular delivery quantities, now also the standard delivery quantities are made visible.
<b>MODULE(S)</b>	-
<b>SYSTEM SETTING(S)</b>	-

### Dialog: Stock count order status

When the system user enters a customer order via the dialogue “Stock Count / Order Entry” dialog we now extended the dialog with the standard delivered quantity.

This will help the system user to also provide an overview to the customer to compare the standard delivered quantity and the impact a possible order will have on the upcoming delivery. The Standard Delivery quantity is coming from the Consumption Point Logistics dialog.

**Consumption Point Logistics**

**Modify Consumption Point Logistics**

Save and Exit Exit First Previous Next Last

Customer 7 Last Packing Date Apr 10, 2019

Department 1 | Department 1 Consumption Point 1 | -

Delivery Standards Stock Levels / Ordering sequence Inventory Visits

Transport Article 1 Number Of Transport Articles 1 ☐ Show products having qty of 0 on packing note

Plant Department ☐ Deliver Sterile ☐ Clean Return

Truck Load Position ☐ Correct with next delivery ☐ Shortages ☐ Over Deliveries

**Products** Count : 3 Grid View All

+ Add Modify Delete Duplicate Copy From Grid

Code	Size Code	Del. Sch. Code	MO	TU	WE	TH	FR	SA	SU
101	-	1W1	50		100		150		
109	-	1W1	20		40		60		
200S	-	1W1	0						

[illegible]

<b>ABS NUMBER</b>	ABS-77235
<b>BACKGROUND &amp; PURPOSE</b>	Create awareness when stock count / order entry has not been processed
<b>AFFECTED DIALOGUES</b>	Stock Count /Order Entry
<b>SYSTEM SETTINGS</b>	-
<b>MODULES</b>	-

Page 82 of 211

## 2.9 Stock Count / Order Status: Show delivery day information

ABS JIRA NUMBER(S)	ABS-75111
BACKGROUND & PURPOSE	Provide the system user with an overview of the delivery date when a customer performs a Stock Count / Order via the web portal
MODULE(S)	LINEN RECORDING
SYSTEM SETTING(S)	-

### Dialog: STOCK COUNT / ORDER ENTRY

An extension has been made to the Web Portal in regards to the Stock Count / Order functionality.

An column was added to show the web user a delivery day related to the order day of this customer. The order and connected delivery days are setup and connected via the replenishment schedule.

Via the Web Portal this is now also visible. This will give the web user an indication of when the items will be delivered based on his stock count / order entry.

Stock Count / Order					
Stock Count Schedule					
Count Date ◇	Count Day ◇	Delivery Day ◇	Stock Count Schedu	#To Count ◇	#Counted ◇
01/31/2019	Thursday	Monday	444 4545	1	0
02/04/2019	Monday	Tuesday	444 4545	1	0
02/05/2019	Tuesday	Wednesday	444 4545	1	0
02/06/2019	Wednesday	Thursday	444 4545	1	0

Please be aware that this is not always the actual delivery day => via Route Status Control a route stop can be moved.

## 2.10 Packing Assistant: Support of unique bundles

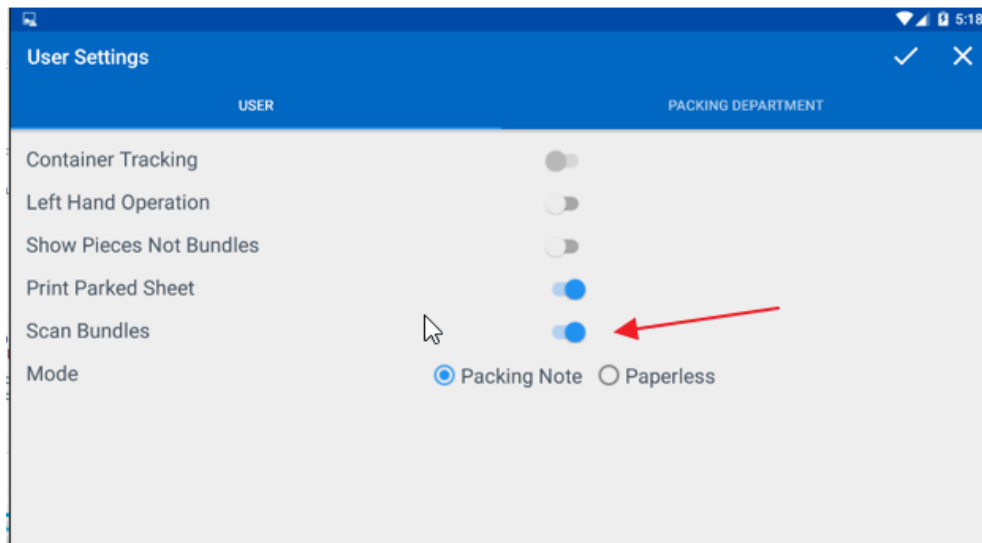
<b>ABS JIRA NUMBER(S)</b>	PASA-81
<b>BACKGROUND &amp; PURPOSE</b>	So far, the Packing Assistant App only support non-unique bundles. Some laundries however also work with unique bundles, which they have supported by using Packing Assistant.
<b>MODULE(S)</b>	PACKING ASSISTANT ANDROID   UNIQUE BUNDELS
<b>SYSTEM SETTING(S)</b>	-

New functionality on Packing Assistant: Scan bundle ID and registration of all ID-codes from the items contained in the bundle

This enhancement allows scanning a bundle ID of a previously generated bundle in the ABSSolute system. It is allowed to use bundle ID of both types of bundles:

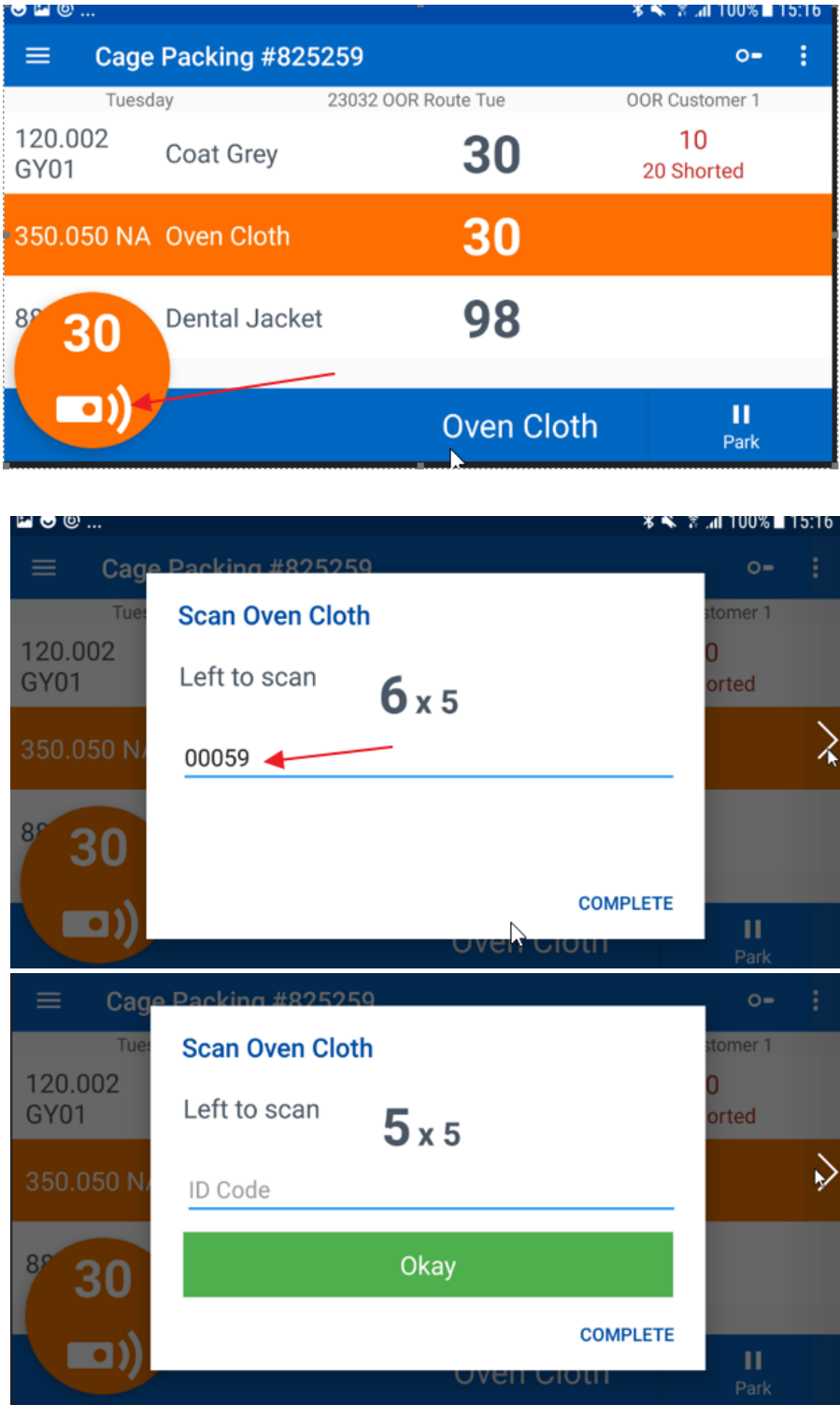
- Bundles containing parts that are themselves provided with an ID code
- Bundles containing parts that are not themselves provided with an ID code

To realize this new feature gives a new setting within the Android application: “Scan Bundles”





The general mask structure when scanning has not changed to the previous version: The scan icon tells the employee to start scanning the requested bundles.



## 2.11 Packing Assistant: Support of custom webservice path

<b>ABS JIRA NUMBER(S)</b>	PASA-98
<b>BACKGROUND &amp; PURPOSE</b>	Customers with custom named webservice path need the Packing Assistant to connect to their custom path.
<b>MODULE(S)</b>	PACKING ASSISTANT ANDROID
<b>SYSTEM SETTING(S)</b>	-

The Packing Assistant App has been extended to incorporate also a custom webservice path. This will enable the Packing Assistant to connect also with custom named webservices setup at the customer.

The screenshot shows the 'Settings' screen of the Packing Assistant app. At the top, there's a blue header with the title 'Settings' and three icons: a checkmark, a speaker, and a close button. Below the header, the 'Connection Settings' section is visible. It contains four input fields: 'Host IP or URL', 'Port #', 'Plant Code', and 'Custom Web Service Path'. The 'Custom Web Service Path' field is highlighted with a red rectangle and contains the text 'absws4mobileappsni'. A blue notification banner is displayed over the 'Port #' field, stating 'Connection with laundry server established successfully'. The status bar at the top right shows Bluetooth, Wi-Fi, cellular signal, 97% battery, and the time 11:00. Below the 'Custom Web Service Path' field, the 'Administrative Tasks' section is partially visible.

Settings

Connection Settings

Host IP or URL

Port #

Plant Code

Custom Web Service Path

Enter custom path here

absws4mobileappsni

Administrative Tasks

## 2.12 Return non-unique items: Extend with consumption point selection

<b>ABS JIRA NUMBER(S)</b>	ABS-74157
<b>BACKGROUND &amp; PURPOSE</b>	When returning non-unique items to stock or ragging non-unique items it is important to lower the rental quantities of the correct consumption point. With this developed the user can select the correct consumption point to lower the Rental Quantities.
<b>MODULE(S)</b>	STOCKROOM
<b>SYSTEM SETTING(S)</b>	-

### Dialog: INQUIRY STOCK QUANTITIES – RETURN NON UNIQUE ITEMS

With this extension the return of non-unique customer items can now be done on consumption point level. When using a reason code for direct inventory adjustments, the circulating and on site inventory will be decreased when returning items back to stock.

Return non-unique customer items

✓ Save and Exit

✗ Cancel

Stockroom

1

Product

1400

| STANDARD MAT 150 X 150

...

Size

-

| -

Reason code

RET2

| Return from customer (non-gar)

→

☒ Causes rental quantity adjustment when processed

Finishing Method

DEL01

| DEL01

Grade

G

| Used

From Customer

160170

| DEMO customer

...

From Department

1

| Department 1

From Cons. Point

1

| Consumption point 1

Transaction type

18

| Return to stock (returned by customer)

Row / Location

1

9

Row/Location

Quantity

Remark

When there's no Consumption Point Logistics for the selection made, then an error message is shown and the return cannot be saved.

## 2.13 Quantity Management Groups, manage circulating, delivery & billing quantities

<b>ABS NUMBER</b>	ABS-72350
<b>BACKGROUND &amp; PURPOSE</b>	Connect contract customers to a Quantity Management Group and limit a group of customers with a max on circulating / delivery / billing quantities
<b>AFFECTED DIALOGUES</b>	Contract / Route Assistant Android
<b>SYSTEM SETTINGS</b>	-
<b>MODULES</b>	CONTRACTQUANTITYMANAGEMENT (new)

With this module, customers that are connected to a contract can be assigned to a “Quantity Management Group”. This means that the non-garment products of this customer can be limited on the following quantities:

- Circulating inventory
- Delivery quantity
- Billing quantity

With quantities set and enforced, system users will not be allowed to exceed these values when making changes in the ABSSolute client, on the Route Assistant, nor via the Route Check In screen.

On contract level, Quantity Management Groups (QMG) can be enabled and further defined:

**Modify Contract**

✓ Save ✗ Cancel

Code/S...  Approved

Descri...

Category/Curr... Primary Contract USD | USD Contract Type

O... External BAN

Validity Price Settings **General** Components PO Numbers **Quantity Management Groups** Contract Customers In Us

**Contacts**

Sales Person ?  ...

Account Manager ?  ... ☐ Commision Payable

Sales Lead ?  ...

Contact Person

Contact Person

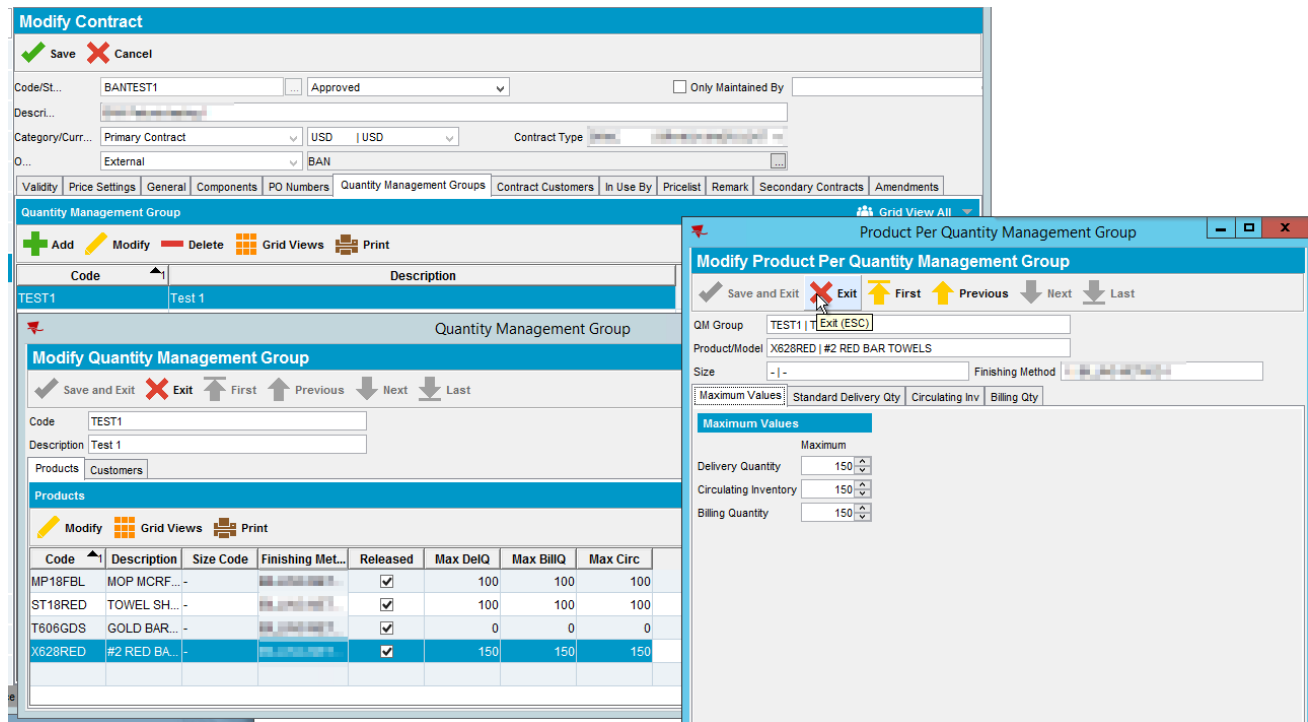
**Purchase Orders**

Purchase Order Type Invoice

**Miscellaneous**

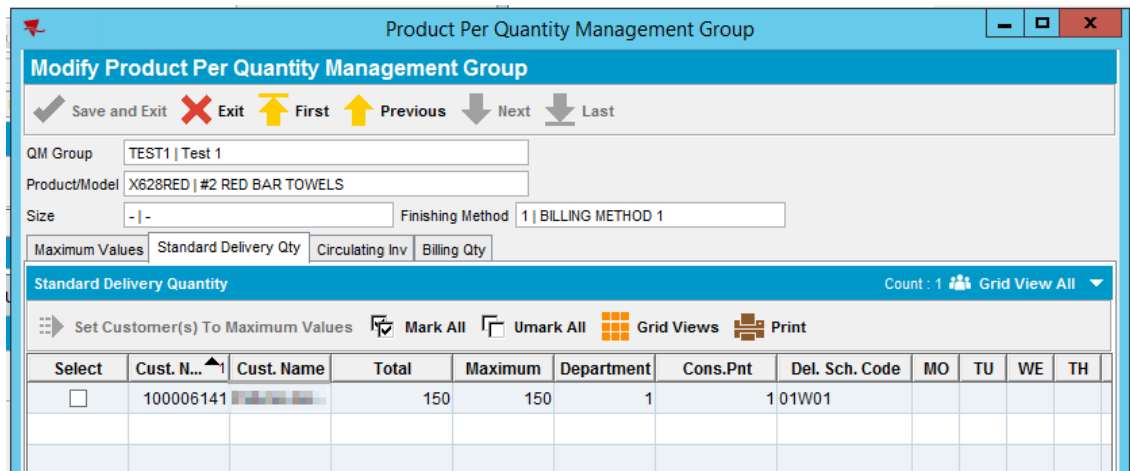
☒ Quantity Management Groups

Once this is enabled, quantity management groups can be defined, and contract customers can be assigned to a certain group and the maximum quantities set per product, per QMG. Not all products have to be limited – setting a product at the QMG level to a 0 max value removes the limit for that product for that QMG.



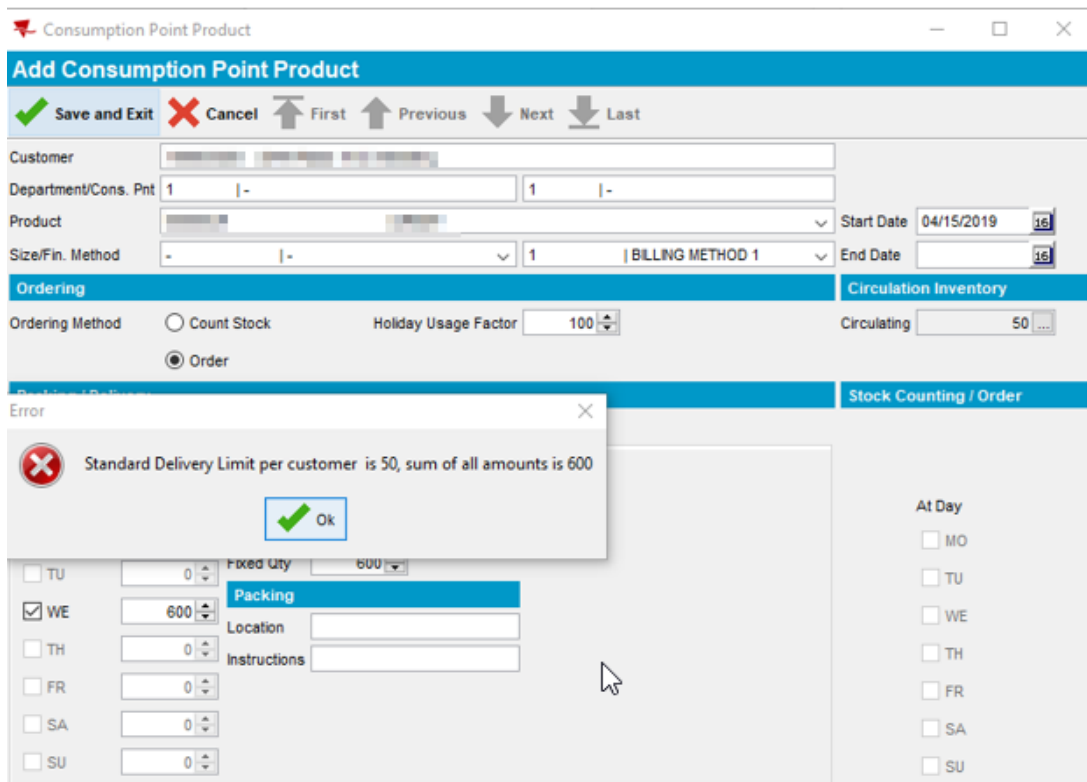
In the example above, a Red Bar Towel has maximum quantities set on 150. This means that no changes to any of the three values at Consumption Point level can be made, which go above the 150 pieces.

Even if there is a multi-day delivery scheme, the total of these days cannot exceed the maximum set.

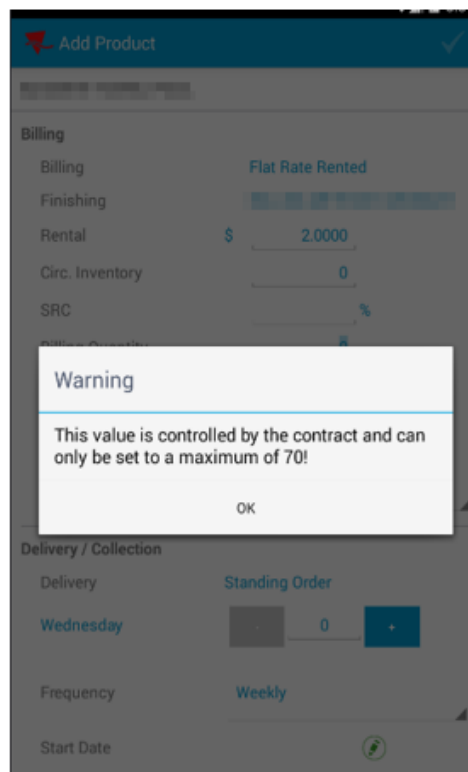


When maximum values are set on the contract level, these will be enforced throughout the application and the Route Assistant.

When a system user or route driver tries to exceed the maximum values, they will receive an error message.  
Within ABSSolute:



On the Route Assistant App:



## 2.14 Create order indicators for order days

<b>ABS NUMBER</b>	ABS-77060
<b>BACKGROUND &amp; PURPOSE</b>	Provide insight in stock count / order days for when entering counts / orders via Order Entry
<b>AFFECTED DIALOGUES</b>	Stock Count / Order Entry
<b>SYSTEM SETTINGS</b>	-
<b>MODULES</b>	-

With this new feature a colour indicator has been implemented that will help the system user identify order days and delivery days.

The order days are visualized with a cyan colour, the delivery days are indicated with a green colour.

When there is an overlap, for example when an order day is the same as a delivery day => Friday  
Friday delivery, but Friday can also be the order day for Monday the day will be coloured as an order day.

Stock Count Entry

Customer 10 | Hospital We Care ... Date 05/21/2019
Count Schedule 1 | Standard

Stock Count Entry

Modify Grid Views

Depart...	Department Description	Consumption ...	Consumption Point Desc
1	Service A		1 Point de consommation A

2019
May

WK	Sun	Mon	Tue	Wed	Thu	Fri	Sat
18	28	29	30	1	2	3	4
19	5	6	7	8	9	10	11
20	12	13	14	15	16	17	18
21	19	20	21	22	23	24	25
22	26	27	28	29	30	31	1
23	2	3	4	5	6	7	8

Today : 05/21/2019

## 2.15 UHF RFID Inscan multi-read: option to generate packing notes

<b>ABS JIRA NUMBER(S)</b>	ABS-76048
<b>BACKGROUND &amp; PURPOSE</b>	Possibility to generate packing notes via Inscan Multiread dialog
<b>MODULES</b>	STACKLABEL
<b>SYSTEM SETTINGS</b>	-

### Dialog(s): Inscan Multi Read

In the existing Inscan Multi Read" dialog new functionality is added to allow for generating packing notes. Once the packing note is generated, the grid is refreshed and the customer for which the packing note was generated, is no longer visible in the grid. The advantage of this screen is that the user has an overview of customers being received and their progress in the production flow. The user instruction would be to make sure that for all customers the packing notes are generated in time and that the goal is to empty the grid.

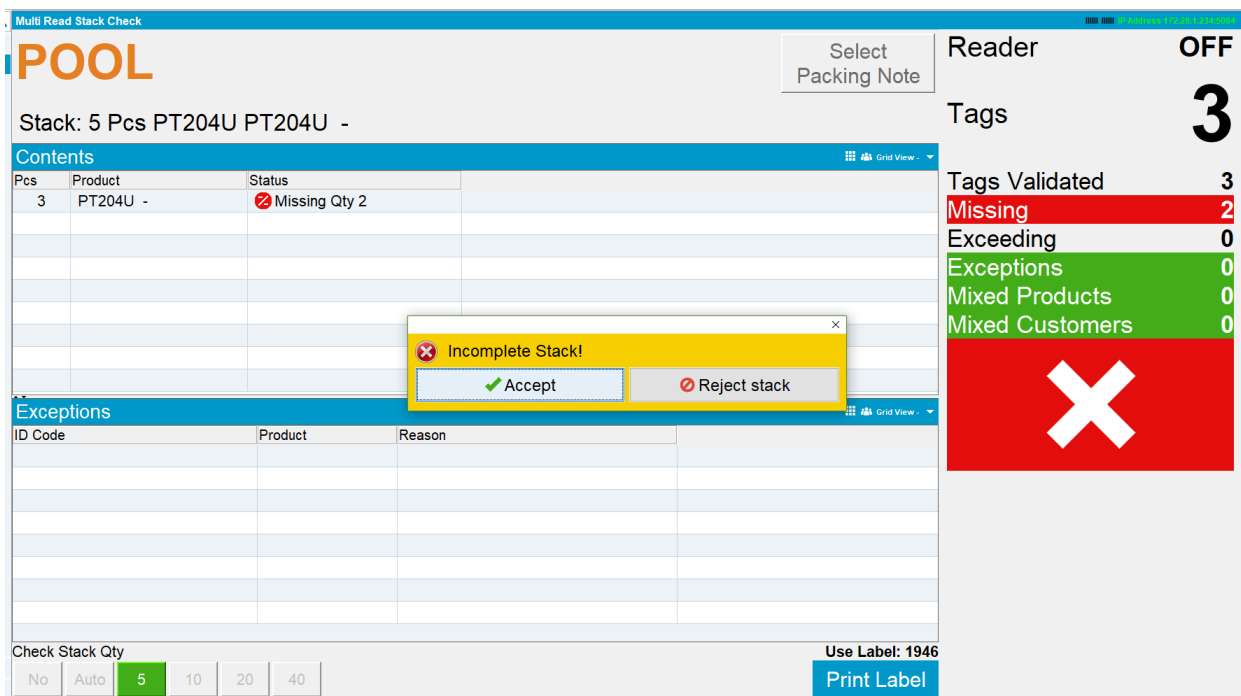
The screenshot displays the 'Inscan Multi Read' dialog. At the top, there are tabs for 'Pick Up Date' (Earlier, Mar 5, 2019, Tuesday, Later) and 'Scan Type' (Inscan, Rejects). Below this is a 'Batch contents' section with a grid showing 'Product' and 'Quantity'. A 'Generate Packing Notes' dialog is open, showing a 'Customer' search field and a date selector set to 'Mar 5, 2019'. Below this, a 'Search Customer' dialog is open, displaying a list of customers with columns for 'Customer Nr', 'Name', and 'Minutes ago'. The list includes: 5 SPLENDIDO BELMOND (GE) 20 d 2 h 12 min, 10 SINA CENTURION PALACE 244 d 5 h 35 min, 11 ROME CAVALIERI WALDOF AS... 370 d 2 min, 16 THE FIRST 23 h 0 min, and 17 NEWSPER MILANO 2 d 14 h 10 min. A 'Cancel' button is visible at the bottom of the search dialog. On the right side of the main dialog, there is a status panel showing 'Reader OFF', 'Tags 0', 'Status IDLE', 'Validated 0%', 'Approved 0', and 'Rejected 0'. At the bottom right, there is a 'Generate Packing Note' button.



## 2.16 UHF RFID Stack Check Multi-Read: Accept (stack) anyway when the (last) stack size is not OK

<b>ABS NUMBER</b>	ABS-81416
<b>PURPOSE</b>	Quicker way of processing 'incomplete' stacks by Accept/Reject functionality
<b>AFFECTED DIALOGUES</b>	Multi Read Stack Check
<b>SYSTEM SETTINGS</b>	AcceptRejectIncompleteStacksYN (stack check properties)
<b>MODULES</b>	STACK LABEL

When an incomplete stack is scanned, (in case of an interface) the belt is stopped, and a popup message is shown (see the message in the screenshot below): the operator must either accept or reject the stack. This new feature has the aim to skip the extra action to remove an incomplete stack from the belt and place it again at the beginning of the belt to be checked.



It is recommended always to show the AUTO button to make it clear to the operator about the activated modus. Whether this functionality (accept/reject stack) is used, is configurable per workstation (in the multiread stack check properties).

## 2.17 UHF RFID Stack Check Multi-Read: Skip stack in case virtual bundle exists

<b>ABS NUMBER</b>	ABS-84746
<b>PURPOSE</b>	Approve stacks with virtual bundle at a second scan station
<b>AFFECTED DIALOGUES</b>	Multi Read Stack Check
<b>SYSTEM SETTINGS</b>	SECONDARYSCANSTATION (stack check properties)
<b>MODULES</b>	STACK LABEL

With this new feature it will be possible to configure by workstation (SECONDARYSCANSTATION setting) if a stack check scan station is a secondary scan station. When there already exists a virtual bundle for all scanned items, the stack passes the second scan station and the message 'Stack already approved' will appear in the Multi Read Stack dialog.

Multi Read Stack Check

Select Packing Note

Reader

Stack already approved!

Contents

Pcs	Product	Status

Tags

Tags Validated 0

Missing 0

Exceeding 0

Exceptions 0

Mixed Products 0

Mixed Customers 0

Exceptions

ID Code	Product	Reason

Check Stack Qty

No Auto 10 20 30

Use Label: 2227

Print Label

Jul 16, 2019 Week 29

In case the items are not scanned at the first stack check workstation, and they, therefore, do not have a virtual bundle, they will be scanned on the second stack check (standard stack check functionality applies) and this will create a virtual bundle.

## 2.18 UHF RFID Stack Check Multi-Read: Optimized flow for general UF pool items

ABS JIRA NUMBER(S)	ABS-71968
BACKGROUND & PURPOSE	Multi Read Stack Check for General Pool
MODULES	STACKLABEL
SYSTEM SETTINGS	-

### Dialog(s): Multi Read Stack for General Pool

The optimized flow for general pool has a few functional changes compared to the standard flow:

- Allowing to scan general pool and customer related pool items within a stack
- Selection of packing note: to be able to keep a balance between how many items were scanned in and how many will be delivered to a customer, general pool items will be linked (via the UHF Bundle) to a packing note. This link can be used in BI views (on workstation level). The general pool item will be assigned to a packing note in the outscan portal.

If the module STACKLABEL is licensed, then the user must select a packing note before scanning out the stack. If accepted, the stack will be linked to the packing note.

Multi Read Stack Check

Customer: 6945 HOTEL EDEN S.R.L.  
Creation Date: 2019-02-07  
Note#: 1000001658

Stack: 5 Pcs PT123Y PT123Y bundle of 5 -

Select Packing Note

Reader **ON**

Tags **5**

Tags Validated **5**


Missing **0**

Exceeding **0**

Exceptions **0**

Mixed Products **0**

Mixed Customers **0**



**Contents**

Pcs	Product	Status
5	PT123Y bundle of 5 -	✓ Okay

**Exceptions**

ID Code	Product	Reason

Check Stack Qty

No Auto 5 10 15 20 40

Use Label: 0985

Print Label

When no packing note is selected, the screen dialog is in “pool scan” mode. Stacks that are scanned in pool scan mode are put in the active pool stock. These stacks can contain general pool as well as customer related pool.

The screenshot shows the 'Multi Read Stack Check' interface. At the top left, the word 'POOL' is displayed in large red letters. To the right, there is a 'Select Packing Note' button. On the far right, the 'Reader' status is 'OFF' and the 'Tags' count is '0'. Below the 'POOL' header, there are two main sections: 'Contents' and 'Exceptions', both with 'Grid View' buttons. The 'Contents' section has columns for 'Pcs', 'Product', and 'Status'. The 'Exceptions' section has columns for 'ID Code', 'Product', and 'Reason'. At the bottom left, there is a 'Check Stack Qty' section with buttons for 'No', 'Auto', and numeric values 5, 10, 15, 20, 40. At the bottom right, there is a 'Use Label: 0964' and a 'Print Label' button. The bottom status bar shows 'Feb 6, 2019 Week 6' and the 'ABSSolute' logo.

Searching for a Packing Note:

This screenshot shows the same 'Multi Read Stack Check' interface as above, but with a 'Packing Note Selection' dialog box open in the center. The dialog box has a title bar and a 'Select customer' section with a text input field for 'Customer Name starts with' and a 'Pool' button. Below this is a table with columns: 'Number', 'Search name', 'Note#', 'Date', and 'Remark'. At the bottom of the dialog is a numeric keypad (0-9, .), an alphabetical keypad (A-Z), and buttons for 'Space', 'Clear', and 'Enter'. A 'Cancel' button is at the very bottom. In the background, the 'Contents' and 'Exceptions' tables are visible. The 'Reader' status is 'OFF' and 'Tags' is '0'. The 'Check Stack Qty' section shows 'Auto' selected. The bottom status bar shows 'Feb 7, 2019 Week 6' and the 'ABSSolute' logo.

Stack Check and Load

Stacks: 01, 102, 103, 20, 30

Select Customer

Customer Name starts with

Number	Search	Name	Note#	Date	Remark
1	EDEN	HOTEL EDEN	29301	10-02-2018	This is the packing instruction
34	ELF	HOTEL ELF	29667	12-02-2018	New Linen Order
22	ESTE	HOTEL ESTER	29834	15-02-2018	
19	EVER	RESTAURANT EVERTON			

A	B	C	D	E	F	G	H	I
J	K	L	M	N	O	P	Q	R
S	T	U	V	W	X	Y	Z	<-

<b>ABS NUMBER</b>	ABS-81312
<b>PURPOSE</b>	Automatic generation Packing Note for customers for which no packing note exists yet, via Rewash after pressing the Stop & Accept rewash button. This will generate a Packing Note for the particular customer with the REWASH remark
<b>AFFECTED DIALOGUES</b>	Rewash Multi Read
<b>SYSTEM SETTINGS</b>	
<b>MODULES</b>	

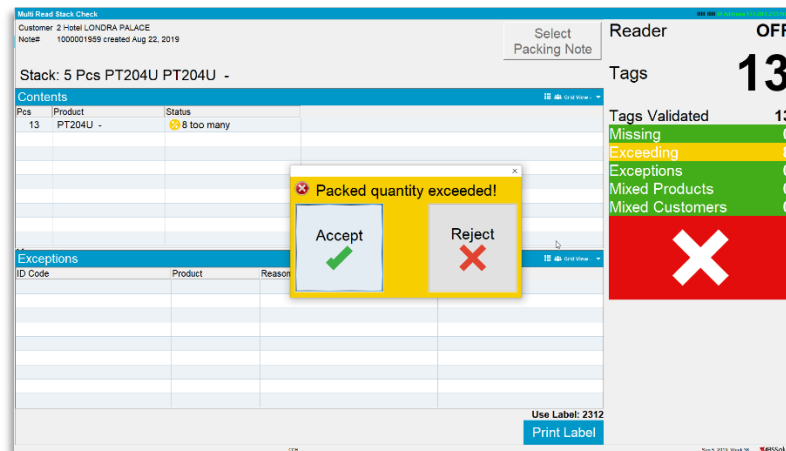
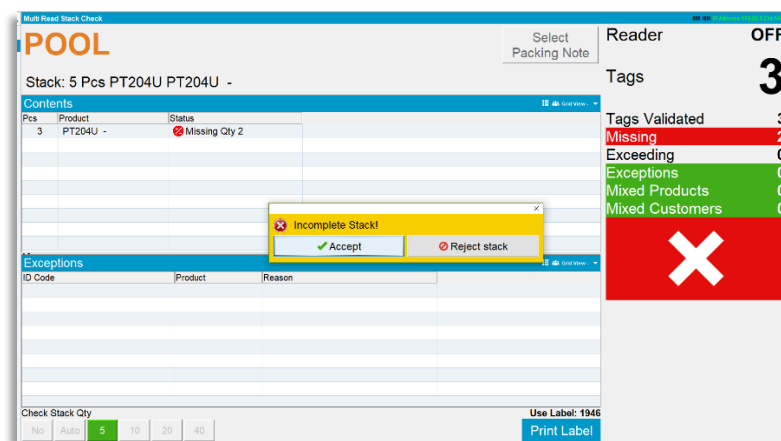
1. Scan items for customer X in Rewash Multi Read and process them via F7 Stop/Rewash
2. When processing the rewash scans, a Packing Note is automatically created during processing of the Rewash scans in case no Packing Note exists for that day with a remark REWASH. This Packing Note has packing notes lines without ordered quantities.
3. Packing Notes with remark REWASH can be selected and prioritized in the Multi Read Stack Check and Packing Note overview dialogs by the operator.

[illegible][illegible]

## 2.20 UHF RFID Stack-Check Multi-Read: Accept (stack) anyway when the (last) stack size is not OK

<b>ABS NUMBER</b>	ABS-88934
<b>PURPOSE</b>	Show the Accept or Reject pop-up when scanning either more or less than the default bundle quantity
<b>AFFECTED DIALOGUES</b>	Multi Read Stack Check
<b>SYSTEM SETTINGS</b>	AcceptRejectIncompleteStacks Y/N
<b>MODULES</b>	STACK LABEL

When an incomplete stack or stack with “over amount (quantity)” is scanned, (in case of an interface) the belt is stopped and a popup message is shown (see messages in screenshots below). The operator must either accept or reject the stack. This development has the aim to skip the extra action to remove an incomplete stack from the belt and place it again at the beginning of the belt to be checked.



It is recommended to always show the AUTO button to make it clear to the operator about the activated modus. Whether this functionality (accept/reject stack) is used, is configurable per workstation (in the multiread stack check properties).

## 2.21 New Interface with Inwaterc's Stack Storage System

<b>ABS NUMBER</b>	ABS-86049
<b>PURPOSE</b>	Direct bi-directional communication with Inwaterc about packing
<b>AFFECTED DIALOGUES</b>	-
<b>SYSTEM SETTINGS</b>	-
<b>MODULES</b>	Inwaterc Clean Packing Load Optimizer (recommended) Container Recording (recommended)

A new interface has been developed related to manufacturer Inwaterc and their Stack Storage System.

The interface offers real-time communication with the Stack Storage System about which packing notes are required to be packed. Additionally, it gives information about packing deadline and priority, so the most important notes can be packed in the right order.

The machine will compare with its currently available stock level, and choose the optimal packing note to pack next.

When the operator has confirmed that packing is finished, it will result in a message that is sent to ABSSolute, this will follow optionally by validating the total net weight (subtracting the container/cart) with the expected theoretical weight based on the quantity of products, and when OK, automatically process and print delivery documents to the operator.

This module was designed to work specifically together with Load Optimizer and Linen Smoothener.





### 3 **GARMENT SERVICES**

This section contains the main garment services specific improvements to ABSSolute.

#### 3.1 **My Uniform Assistant (NEW!)**

<b>ABS NUMBER</b>	ABS-89961 (MUA-77)
<b>PURPOSE</b>	The web application gives wearers the opportunity to manage their garment inventory/ repairs/ lost & found.
<b>AFFECTED DIALOGUES</b>	Customers/ wearers/ Process Scheduler/ E-mail settings/ System Settings/ Maintain Unique Items/ Repair Scan/ Repair Types/ Inscan/ Outscan
<b>SYSTEM SETTINGS</b>	MYUNIFORMASSISTANTURL & CSVEXPORTDIR
<b>MODULES</b>	MYUNIFORMASSISTANT

**My Uniform Assistant** is a web browser-based application that allows wearers (or garment administrators) to manage uniforms.

**The biggest advantages of My Uniform Assistant are:**

- Bringing your services to the end user.
- Direct communication with the end user is achieved which avoids wearers to complain about your repair services to the garment manager.
- Saving time for the garment manager at the customer.
- Future direct communication such as replacements, work order status can be directed to the individual wearer.
- Increased recognition of the laundry service by the individual wearers.

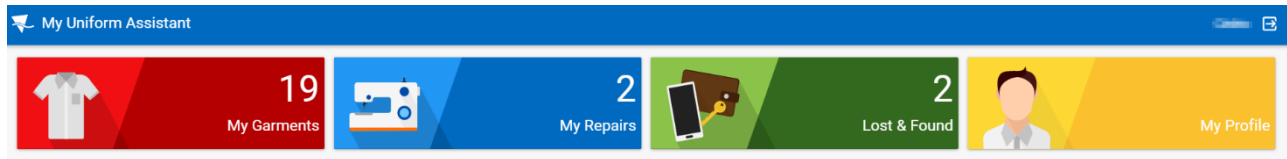
Through this browser-based app, wearers can easily view their garment inventory, the repair status of their garments and they are able to organize and keep track of lost/found items.

My Uniform Assistant could be used on a shared device (e.g. tablet) which is installed in central locker room for all wearers. Because it is a browser-based app, it can also be accessed on a wearer's personal smart phone device (Windows/iOS/Android) at any time (internet connection is required). The screen resolution will automatically adjust to the device which is being used.

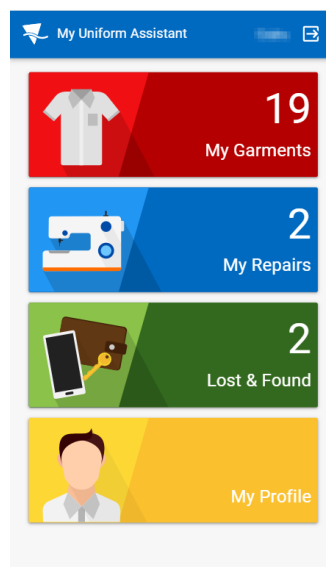
This module embraces the first functional requirements, but several new functional features will follow over time. Please consult your ABS Sales Account manager for a more detailed description of the module.

Since the “My Uniform Assistant” is web a browser-based it will automatically recognize the screen resolution of the device it is used on. Below some examples of how the application will look like on different devices:

**“My Uniform Assistant” desktop view:**



**“My Uniform Assistant” smartphone view:**





Each coloured tile will have its own functionality behind it and is very easy / intuitive to use. See next pages.

“My Garments” provides an overview of the status of the garment:



- Pieces in circulation
- Pieces addressed to repairs
- Pieces in the laundry / available



“My garments” desktop view:

My Garments				
MUA Industrial Trousers - - desc				
	7 Pieces in circulation	3 Laundry 3 Available 1 At Repair	1 On Order	2 Repair Requested
<a href="#">DETAILS</a>				1 Replacement Requested
MUA Industrial Coverall - - desc				
	7 Pieces in circulation	1 Laundry 6 Available 0 At Repair		
<a href="#">DETAILS</a>				

“My Garments” smartphone view:

My Garments				
MUA Industrial Trousers - - desc				
	7 Pieces in circulation	3 Laundry 3 Available 1 At Repair	1 On Order	2 Repair Requested
<a href="#">DETAILS</a>				1 Replacement Requested
MUA Industrial Coverall - - desc				
	7 Pieces in circulation	1 Laundry 6 Available 0 At Repair		
<a href="#">DETAILS</a>				

“My repairs” provide the possibility to request a repair and an overview of the status of the repair.

- Showing the completed repairs
- Showing the pending repairs
- Details about the repair types (to be) executed



When a “New Repair” is requested, the individual garment will be flagged (Repair Flag). Within the laundry the flagged garment will be sorted automatically (when sorting system installed) towards the repair stations. The repair flag will automatically pop-up at check points and repair workstations, showing the repair type and repair description. When the repair is being executed, the repair status will change to “completed”.

#### “My Repairs” desktop view:

Date	Product	ID Code	Repair Type	Repair Description	Status
2020-01-28	MUA Industrial Trousers	00000000720	Button Repair	Button Repair ; Button is gone	Pending
2020-01-28	MUA Industrial Trousers	00000000723	Emblem Repair	Emblem Repair ; Emblem ne...	Pending
2020-01-28	MUA Industrial Trousers	00000000719	Zipper Repair		Completed

NEW REPAIR

#### “My Repairs” smartphone view:

Date	2020-01-28
Product	MUA Industrial Trousers
ID Code	00000000720
Repair Type	Button Repair
Repair Description	Button Repair ; Button is g...
Status	Pending
Date	2020-01-28
Product	MUA Industrial Trousers
ID Code	00000000723
Repair Type	Emblem Repair
Repair Description	Emblem Repair ; Emblem ...
Status	Pending
Date	2020-01-28
Product	MUA Industrial Trousers
ID Code	00000000719
Repair Type	

NEW REPAIR

“Lost & Found” provides the possibility to report a lost a personal item in a garment and to view the status of this item.



The wearer can easily indicate in which garment he or she has lost the item. After the product is selected, a flag is automatically placed on the garment(s). The flag will pop-up at check points within the laundry showing which item is missing and the employee must indicate whether he/she has found the item or not.

If the laundry employee finds the lost item, he/she can confirm this at their laundry station and the status will change to “found”. Eventually, the flag will be taken off other garments in circulation with the same flag (when this is the case), since the flag is not relevant anymore.

In case nothing has been found and garments are not scanned in during x (configurable) time, the flags will automatically be taken off the garments and the status will change to “not found”.

#### “Lost & Found” desktop view:

Date	Lost Item	Additional Information	Request	Status
28/01/2020	Keys left in MUA Industrial Cover...	I left my keys in the right ...		In Progress
28/01/2020	Not sure where I left my IDCard	I left my ID card somewh...		In Progress

#### “Lost & Found” smartphone view:

Report Lost Item

1 2 3

Select Lost Item

- Phone
- Earphones
- Keys
- Pen
- USB Stick
- ID Card
- Wallet
- Other

CANCEL

In "my profile" the wearer can (voluntarily) enter his personal data.



This is used for log-in purposes as well as (future) notification purposes. In addition, the wearer can choose the language that is comfortable for her/him.

#### "My Profile" desktop view:

A screenshot of the "My Profile" desktop web interface. The page has a blue header bar with a back arrow, a user icon, and the text "My Profile". Below the header is a large yellow banner with a person icon. The main content area is white and contains several form fields: "Name" (with a redacted value), "Badge Name" (with a redacted value), "Email" (with a redacted value), and "Pin Code" (with four asterisks). Below these fields is a section titled "Notifications Settings (Not implemented yet)" with a dropdown arrow. This is followed by "Contact Phone Number" (0612345678) with a note: "This number will only be used to contact you in the case of a lost item. It will not be used for any other purpose or shared without your explicit permission." Below that is "Language" (English (United States)) with a dropdown arrow. At the bottom is "General Settings" with a dropdown arrow. There are two buttons at the bottom: "CHANGE PASSWORD" and "SAVE".

#### "My Profile" smartphone view:

A screenshot of the "My Profile" smartphone web interface. The page has a blue header bar with a back arrow, a user icon, and the text "My Profile". Below the header is a large yellow banner with a person icon. The main content area is white and contains several form fields: "Name" (with a redacted value), "Badge Name" (with a redacted value), "Email" (with a redacted value), and "Pin Code" (with four asterisks). Below these fields is a section titled "Notifications Settings (Not implemented yet)" with a dropdown arrow. This is followed by "Contact Phone Number" (0612345678) with a note: "This number will only be used to contact you in the case of a lost item. It will not be used for any other purpose or shared without your explicit permission." Below that is "Language" (English (United States)) with a dropdown arrow. At the bottom is "General Settings" with a dropdown arrow. There are two buttons at the bottom: "CHANGE PASSWORD" and "SAVE".

### 3.2 Guaranteed minimum delivery (NEW!)

Guaranteed minimum delivery + temporary assignment of pool garments

<b>ABS JIRA NUMBER(S)</b>	ABS-71608   ABS-71604   ABS-72833   ABS-72412   GAA-78
<b>BACKGROUND &amp; PURPOSE</b>	The goal and business requirement to cover a garments production flow, where garments will be returned into the locker, with the condition that type of garments, which have not been returned soil by the wearer, will get or <u>their clean personalized garment</u> or a fresh, <u>clean temporary pool garment delivered instead</u> , to fulfil the delivery requirement. This new garments production flow, also works with UHF Technology and the functional designed dialogs provide the production employees the tools, to complete the delivery, meaning delivering the garments into the lockers, of the wearers, at the customer.
<b>MODULE(S)</b>	MAX MANUAL SORT BATCH SIZE   GUARANTEED MINIMUM DELIVERY   DELIVERY STATUS   TEMP ASSIGN POOL GARMENTS (NEW)   ITEM DISPENSE APP   GARMENT ASSISTANT   GARMENT ASSISTANT LOCKER FEEDING
<b>SYSTEM SETTING(S)</b>	MAXMANUALSORTBATCHSIZE   GUARANTEEDMINDELDDAYS   DELIVERYDAYSUS   GASALOCKERFEEDDAYS   GASALOCKERFEEDTIME

#### PRODUCTION & SHIPPING

**Dialog(s):** CUSTOMER | PROCESS SCHEDULER | INSCAN | INSCAN MULTI-READ | CHECKPOINT SCAN | AUTOMATIC FLAG | MAINTAIN UNIQUE ITEM | TEMPORARY ASSIGN POOL ITEMS | DELIVERY LOT MONITOR | OUTSCAN DELIVERY LOT | REPORT GARMENTS PER WEARER

Where is this new feature meant for:

- Your customer demands to have ALWAYS a re-fill of lockers with a clean garment (returned personalized or a generic pool item instead).
- These customers see a bigger risk and costs in case a wearer has no garments returned (disruption of production), therefore a temporary items is scanned.

Execution of process 'Generate Delivery Lot' and fill the Delivery Load tables with required delivery information. The table contents are garments to be delivered to each wearer based on delivery days defined on product list per customer. This data will be used in the Delivery Lot Monitor, in which the generated lots can be monitored and maintained.

Garments will be scanned in and if these are 'Temporary Pool Garments' then the garment will automatically be disconnected from the wearer.

In the checkpoint scan dialog, extra information, has been added to be able to sort garments better. In this dialog garments will be checked and stored, where it will be waiting to be picked up, to be scanned out. Garments will also be scanned for 'Repair' and 'Rewash', which might or might not be delivered back to the wearer, depending on the throughput time.

In the Delivery Lot Monitor the lot will be initialized, which means that is calculated, which garments have been returned by the wearer and not been scanned out yet. For garments not been returned by the wearer, temporary pool garments will be delivered and will be printed on the 'Report Garment Collection List'. This shopping list will contain also 'Delayed Items', meaning items scanned for 'Repair', 'Rewash', 'Late' or 'Stockroom'.

The screenshot shows the 'Delivery Lot Monitor' window. At the top, there are tabs: 'Process Scheduler', 'Delivery Lot Monitor' (selected), 'Wearers', 'View Process Log', and 'System Settings'. Below the tabs, there are input fields for 'Business Unit' (PL09), 'Plant Department' (99), 'Customer' (99), and 'Delivery Point' (DP1). There are also radio buttons for 'Current Week', 'Select Year / Week' (2019, 10), and 'Specific Date' (03/15/2019). A 'Load' button is present. Below these fields, there is a 'New' button and a 'Initialized' button. The main area displays a table of delivery lots.

Sequence Number	Code	Delivery Date	Delivery Point	Delivery Point Code	Creation Timestamp	System User	Timestamp
1	201911FR010000000000099 DP1	Mar 15, 2019	DP1	DP1	Mar 7, 2019 10:39 AM	SYSADM	Mar 7, 2019 10:39 AM
1	201911FR010000000000099 DP2	Mar 15, 2019	DP2	DP2	Mar 7, 2019 10:39 AM	SYSADM	Mar 7, 2019 10:39 AM
1	201911FR010000000000099 DP3	Mar 15, 2019	DP3	DP3	Mar 7, 2019 10:39 AM	SYSADM	Mar 7, 2019 10:39 AM

At the moment when the delivery needs to be done and a lot needs to be processed, the lot contents will be picked from the temporary storage and brought to the out scan area. Here the 'Outscan delivery Lot' dialog is started where the Personalized Garments and Temporary Pool Garments will be scanned out and sorted on 'Bank'. After sorting has been completed the lot is closed and delivery notes are created and strap label, per sorting position. The strap labels will be dropped into each sorting position and the garments will be strapped, with on top the strap labels. This strap label is used for delivering the strap to the correct Delivery Point and Locker Feeder and put into the container and sent to expedition.

The screenshot shows the 'Outscan Delivery Lot' dialog. At the top, there are tabs: 'Outscan Delivery Lot' (selected) and 'System Settings'. Below the tabs, there are input fields for 'Business Unit' (PL09), 'Packing Department' (99), 'Delivery Date' (03/15/2019), and 'Production Date' (03/07/2019). There is a 'Lot Selection' section with an 'ID Code' field. Below this, there is a 'Previous Scan' section with fields for 'Lot Number' (201911FR010000000000099 DP1), 'Sequence Number' (1), 'Customer' (99), 'Delivery Point' (DP1), and 'Delivery Date' (Mar 15, 2019). The main area displays a table of garments.

Wearer Num.	Name	Product	Description	Size	Fin. Mtr.
1	OVGABLO	OVEROL	CON PETO BLANCO	36	
2	OVGACRO	CAMISA	CARROCCERIAS AZUL	36	
3	PAGACRO	PANTALON	GRIS CARROCCERIAS	40	

Overlaid on the dialog is a 'Confirm Sort Position' window. It has a large blue box with the number '1' in the center. Below the box, there are fields for 'Delivery Point' (DP1) and 'Locker Tracking ID'. There is an 'OK' button at the bottom.



The Report “Garment Collection List” is automatically printed when a delivery lot is initialized. The initialization process determines for which wearer inventories, no personalized garments have been scanned in and have not been returned by the customer. The report can also be reprinted.

For the garments not been returned, pool garments will be proposed to deliver. This list is used to collect the required temporary pool garments from the pool stock.

In addition this list also shows personalized garments that are on different locations, in the laundry, i.e. stockroom, rewash, repair, late.

**Delivery Lot Monitor**

Business Unit: PL09 | Plant Department: 99 | 99

**Customer selection**

Customer: 99 | Delivery Point: DP3 | DP3 | All

**Period selection**

☐ Current Week ☐ Select Year / Week: 2019 | 10 | ☒ Specific Date: 03/09/2019 | 10 | **Load**

New | **Initialized** | Outscan started / Closed

**Delivery Lots**

**View Details** | **Initialize** | **Grid Views** | **Print**

Sequence Number	Code	Delivery Date	Delivery Point	Delivery Point Code	Creation Timestamp	System User	Timestamp
1	201910SAT01000000000099 DP3	Mar 9, 2019	DP3	DP3	Mar 4, 2019 12:31 PM	SYSADM	Mar 4, 2019 12:31 PM

**Delivery Lot Monitor**

Business Unit: PL09 | Plant Department: 99 | 99

**Customer selection**

Customer: 99 | Delivery Point: DP3 | DP3 | All

**Period selection**

☐ Current Week ☐ Select Year / Week: 2019 | 10 | ☒ Specific Date: 03/09/2019 | 10 | **Load**

New | **Initialized** | Outscan started / Closed

**Delivery Lots**

**View Details** | **Reprint Garment Correction List** | **Grid Views** | **Print**

Sequence Number	Code	Delivery Date	Delivery Point	Delivery P...	Initialization Timestamp	Initialization System User	System U...	Creation Timestamp	Timestamp
1	201910SAT01000000000099 DP3	Mar 9, 2019	DP3	DP3	Mar 5, 2019 3:15 PM	CVH	CVH	Mar 4, 2019 12:31 PM	Mar 5, 2019 3:15 PM

03/05/2019 04:40:48 AM

### Garment Collection List

Plant Department : 99 99  
Customer : 99  
Delivery Point : DP1 DP1  
Delivery Date : 03/09/2019  
Delivery Lot : 201910SAT02000000000099 DP1

#### Pool Garments

Product	Size	Needed
CRGAAC00 CAMISA	30	1
Total Product CRGAAC00		1
Total Pool garments		1

#### Personalized Garments

Stay	Product	Size	Wearer	ID code
Rewash	CRGAAC00 CAMISA	30	2 ELMER	000000000227
Total garments Rewash				1
Grand Total garments				1

## Printing strap labels (printed per sorting position)

Production employees will scan out the garments, via the 'Delivery Lot Outscan' dialog and after being scanned out, the garments will be sorted in pigeon holes (sorting positions), which is done per 'Bank'.

After closing a lot, each sorting position, will be guided with a "strap label". This strap label will contain information to the production employees, who will be able to pick and sort each strap in the applicable container. Reprinting of Strap Labels can be done via Delivery Lot Monitor.

The report strap label provides information about the content of the 'Sorting Position' and will provide sorting information for being able to pre-sort based on 'Delivery Point', 'Locker Feeder'.

Outscan Delivery Lot

Business Unit: PL09 | Lavastex Corporate  
Delivery Date: 03/15/2019 | Packing Department: 99 | 99  
Production Date: 03/07/2019

Lot Selection

ID Code

Position Scan

Lot Number: 2019111F001000000000009 | Sequence Number: 1  
Customer: 99 | VVV | Delivery Point: DP1 | DP1

Delivery Lot Contents

Grid Views | Print

Wearer Num.	Name	Product	Description	Size	Fab. Method	Pos.	To Deliver Qty	Scanned (good)	Scanned (personalized)	Available Qty	TO DO
1	WOUT VAN LANKVELD	ORGAGRO	OVEROL CON PISTO BLANCO	36	-	1	1	1	1	0	
2	ELMER BROCKHÖTTER	ORGAGRO	PANTALON GRS CARROCCERIAS	30	-	2	1	0	1	0	
3	CORINE VAN HEESEWILK	ORGAGRO	CAMISA CARROCCERIAS AZUL	40	-	3	1	1	0	0	

F5 Outscan Personalized Garments

F7 Outscan Pool Garments

F10 Close Lot

Outscan Delivery Lot | Delivery Lot Monitor

Delivery Lot Monitor

Business Unit: PL09 | Plant Department: 99 | 99

Customer selection

Customer: 99 | Delivery Point: DP1 | All

Period selection

☐ Current Week | ☐ Select Year / Week: 2019 | 10 | ☒ Specific Date: 03/15/2019 | Load

New | Initiate | Outscan started / Closed

Delivery Lots

View Data | **F2 Reprint Strap Labels** | Grid Views | Print

Sequence Number	Code	Delivery Date	Delivery Point	Status	Outscan Timestamp	Outscan S.	Creation T.	Delivery P.	Initiatio...	Initializatio...	System U.	Timestamp
1/2019111F001000000000009	DP1	Mar 15, 2019	DP1	Closed	Mar 7, 2019 4:43 AM	CWH	Mar 7, 201	DP1	CWH	Mar 7, 201	CWH	Mar 7, 2019 4:58 AM

Example of a Strap Label:

201911FRI0 1000000000 099 DP1	Customer Nr: 99 Delivery Point: 1 SERVICE POINT 1
<b>1</b>	<b>DP1</b> <b>LF1</b>
Route: 51	FRIDAY ROUTE 51 Stopno.: 1
ABS	ABS Laundry Business Solutions TEL.: 012345678

## WEARER MANAGEMENT

**Dialog(s):** Garments per wearer and Report garments per wearer

These dialogs have been extended with new options, to show / provide information about the 'Assigned temporary pool garments'.

**Report Garments / Wearer**

**Wearer Selection**

Customer: 99 | ...

From Department: ... to ... ☒ All

From Wearer: 1 | ... to 1 | ... ☐ All

**Product Selection**

From Product: ? | ... to ? | ... ☒ All

From Finishing Method: ... to ... ☒ All

Miscellaneous | **Additional Wearer Selections** | Layout options

**Garment Selections**

Customer Owned: ☐ Yes ☐ No ☒ All ☐ Show only Garments at Customer

Free Of Charge: ☐ Yes ☐ No ☒ All ☐ Show only substitutes

Items: ☐ Unique ☐ Non-Unique ☒ All

Garments: ☐ Personalized ☐ Temporary Assigned Pool ☒ Both

**Print Options**

Sort on: Wearer Number ☒ Print Selections

☐ Show Department Level ☒ Preview Before Print

☐ Page Break Per Wearer ☐ Print in Customer Language

OK Cancel

03/07/2019 03:51:07 AM

### Garments Per Wearer

Customer 99  
From Department 0 to 999999  
From Wearer 1 to 1  
From Employment 0 to 9  
From Function to ZZZZZZ  
From Product to ZZZZZZ  
From Finishing Method to ZZZZZZ  
From Garment Dispenser to ZZZZZZ

Customer: 99  
Wearer: 1  
Function:  
Employment: 1  
Admin Number:  
Bank / Locker: 11  
Garment dispenser:  
Date Active : 02/20/2019

#### Personalized Garments

ID Code	Product Code	Description	Size	Seq Nr.	Issue Date	Number of		Flag	Modifi- cation	Issue Chrg. ReasoMeth.	Last Scan	Last Outscan	Status	Stay Grade Code	
000000000215	CFGABL00	CASACA BLANCA	28	1	02/20/2019	3	1 0	Y	0	-	RENT	03/06/2019	02/28/2019	In Circulation In Scan/	U
000000000216	CFGABL00	CASACA BLANCA	28	1	02/20/2019	2	1 0	N	0	-	RENT	03/06/2019	03/06/2019	In Circulation Outscan/	U
000000000217	CFGABL00	CASACA BLANCA	28	1	02/20/2019	0	0 0	N	0	-	RENT	03/06/2019	02/20/2019	In Circulation In Scan/	U
000000000218	OVGABL00	OVEROL CON PETO BLANCO	36	1	02/20/2019	3	0 2	Y	0	-	RENT	03/06/2019	03/04/2019	In Circulation In Scan/	U
000000000219	OVGABL00	OVEROL CON PETO BLANCO	36	1	02/20/2019	1	0 0	N	0	-	RENT	03/06/2019	03/06/2019	In Circulation Outscan/	U
000000000220	OVGABL00	OVEROL CON PETO BLANCO	36	1	02/20/2019	0	0 0	N	0	-	RENT	03/07/2019	02/20/2019	In Circulation Checkpoi	U
000000000221	PAGAGR00	PANTALON GRIS CARROCERIAS	30	1	02/20/2019	2	0 1	N	0	-	RENT	03/06/2019	03/06/2019	In Circulation Outscan/	U
000000000222	PAGAGR00	PANTALON GRIS CARROCERIAS	30	1	02/20/2019	1	1 0	N	0	-	RENT	03/07/2019	02/20/2019	In Circulation Rewash	U
000000000223	PAGAGR00	PANTALON GRIS CARROCERIAS	30	1	02/20/2019	0	0 0	N	0	-	RENT	03/06/2019	02/20/2019	In Circulation In Scan/	U
Total Personalized Garments		: 9													

#### Temporary Pool Garments

ID Code	Product Code	Description	Size	Seq Nr.	Assign Date	Number of W	RewRep	Flag	Modifi- cation	Issue Chrg. ReasoMeth.	Last Scan	Last Outscan	Status	Stay Grade Code	
000000000488	PAGAGR00	PANTALON GRIS CARROCERIAS	30	1	03/06/2019	0	0 0	N	0	-	RENT	03/05/2019	02/20/2019	In Circulation Desk Sc	U
000000000509	PAGAGR00	PANTALON GRIS CARROCERIAS	30	1	03/04/2019	0	0 0	N	0	-	RENT	03/07/2019	02/20/2019	In Circulation Desk Sc	U
Total Temporary Pool Garments		: 2													
Total products per Employment		1 : 11													
Total products per Customer		99 : 11													

## (RE)ORDERING MOBILE DEVICES

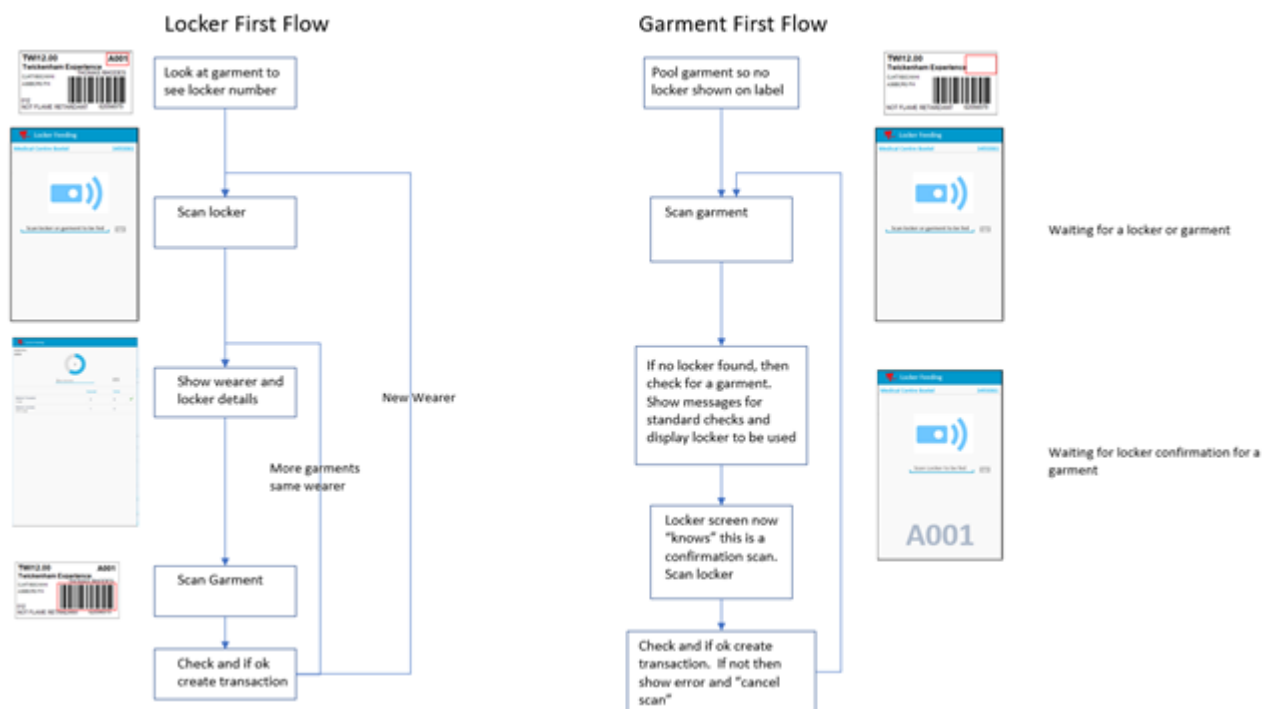
### Mobile application: GARMENT ASSISTANT APP (android)

In ABSSolute it's possible to assign temporary pool garments to physical wearers and to track and trace these garments through the ABSSolute application. This is possible via module TEMPASSIGNPOOLGARMENTS.

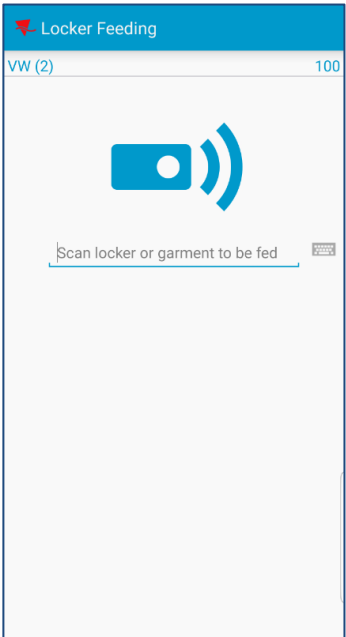
In the Garment Assistant Android App, the functionality is present to feed personalized garments in the lockers, on-site at customers, but with this module TEMPASSIGNPOOLGARMENTS, also the temporary pool garments are downloaded on the Garment Assistant, to be 'Locker Fed'.

There are 2 ways of working when feeding the garments into the locker. You can scan either the locker first or the garment first. The reason for this is if you are scanning temporarily assigned pool garments for a wearer, the locker number is not shown on the garment label, meaning that it's unknown, which locker to feed the garment into.

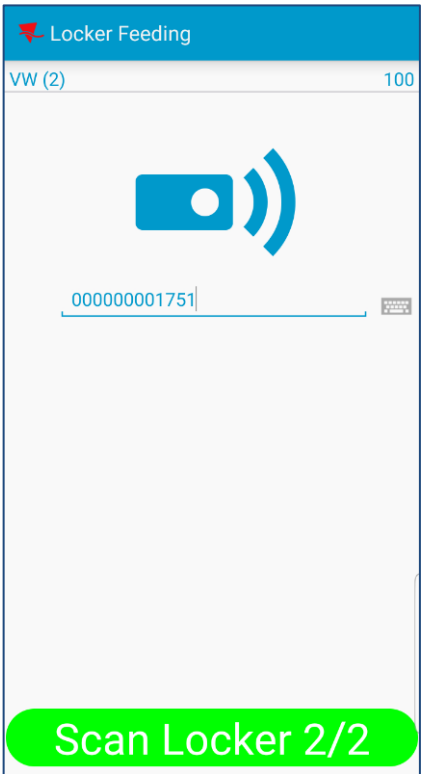
The scan screen works for both processes and both can be used at any time. The scan screen will accept unique item codes or locker ID's and checks the Locker table first. If no locker is found, then check the Garment table.



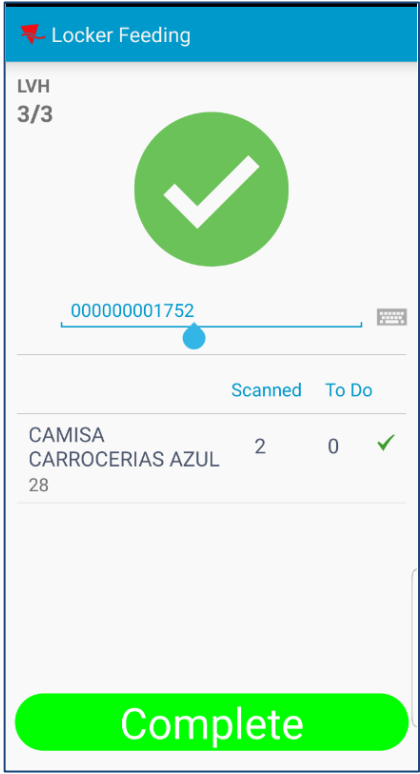
Scan field in Garment Assistant to scan 'Locker' or 'Garment':



1) Example 'Scan Locker first':  
- Scan garment to feed



2) Example 'Scan Garment first':  
- Opens wearer screen



### 3.3 Route Returns (NEW!)

ABS JIRA NUMBER(S)	ABS-62306
BACKGROUND & PURPOSE	New web client X dialog to confirm items (garments) that are scanned on the Route Assistant. With the confirmation in this dialog the user can decide to mark the item as <u>ragged</u> or mark it to send it <u>to the stockroom</u> . After marking items to return to stock the standard ABS dialog take items out of circulation is used to return the item to the location with the correct grade.
MODULE(S)	GARMENTS BASIS (USA)
SYSTEM SETTING(S)	RETURNITEMREDUCTION

#### Dialog: Route returns

New dialog developed in new web client X technology run in a web browser!

When the route Sales Rep/driver scans items as returned on the Route Assistant, the items will get status “returned to the laundry”.

With this new screen at the laundry an employee can confirm that the items are returned from the route to the laundry and can decide if they want to rag the item directly or mark it for returning the item to stock. However, the item is not yet made available inside the stockroom. Normally the returned and re-usable items will be washed and finished and after this is done, the items can be scanned as returned to stock. This means that at that moment the item is considered as being available stock.

Items can be scanned as return when the wearer is made inactive or when a decrease of issue is done.

Scan Returned Items

FLORIN  
Account # 2000365







Last Scanned

ID Code 4550112300 Barcode

Camera Scan

Scanned Items # Scanned 0

After the item is scanned as returned in the laundry the user confirms that the items are returned and makes the decision to rag or mark it for return to stock.

ROUTE INFORMATION	SCANNED ITEM	ITEMS REMAINING
<p>Route Day Thursday - 04/11/2019</p> <p>Depot</p> <p>Route 45 - II</p> <p>RSR 1993 - FGHPDA</p> <p> Select Route</p>	<p>IDCode</p> <p>Last scanned code</p> <p>Customer</p> <p>Product</p> <p> To Stock</p> <p> Rag</p>	<p></p> <p>To Scan</p> <p>6 SHIRT</p> <p> View Details</p> <p> Complete</p>

This new screen has 3 'cards'

1. On the first card the "selected route" information is visible.
2. On the second card the user scans the items and rags, or marks as return to stock
3. On the third tab the user is able to see all items scanned as returned by the Route Sales Rep/driver as a counter and in detail.



### 3.1 Route Assistant: Bill damage on the spot

<b>ABS NUMBER</b>	RASA-1012
<b>BACKGROUND &amp; PURPOSE</b>	Ability to bill damage on the spot on Route Assistant, override insurance options for intentional damage
<b>AFFECTED DIALOGUES</b>	Route Assistant Android Automatic Flag Reason Code Route Transaction Category
<b>SYSTEM SETTINGS</b>	-
<b>MODULES</b>	Route Assistant Bill Damage

This module for the Route Assistant introduces functionality to scan an item that is damaged directly on the Route Assistant, and add a charge to the direct invoice immediately (on the spot). This process also creates a replacement work order for the damaged item, so the wearer's item is replaced as quickly as possible.

This allows the laundry to charge immediately, when the route sales rep/driver is present at the customer site, and have the customer sign for the charges as acceptance of them. The intent is to catch damages at the customer site and bill immediately, when the customer can see the damaged garments for himself, instead of waiting for the plant to identify damages, thus leaving the discussion on charges for those damages open to customer dispute.

Additionally, even if the customer has insurance that protects against damage, it is possible to override this insurance and bill damage for intentional damage/destruction of laundry-owned garments.

In the Reason Code dialog, a reason code can be set up to bypass the damage insurance on the RA for this BACKGROUND & PURPOSE:

Reason code

Add Reason code

Save and Exit Cancel First Previous Next Last

Code: DAMAGE Export To Hand Held Reason Group: Description: Damage - Insurance Override Sort Address:

Inventory Adjustment Reason Billing Adjustment Reason Foreign Descriptions Dialogs Default Stockrooms per Business Unit

Inventory Adjustment Reason

☒ Reason for Inventory Adjustment

Selectable ☐ For Non Garments ☒ For Garments

Triggers ☐ None of the mechanisms mentioned below

Garment Ordering: ☐ Free Extra Inventory ☒ Replacement ☐ Automatic Sales during Issue

Settlement ☐ Direct Inventory Adjustment ☐ Future Inventory Adjustment ☐ Temporary Inventory Adjustment(Loan) ☐ Order without Inventory Adjustment ☐ Flat Rate Adjustment

Reason For ☐ First Issue ☐ Charging Make up/Preparation Costs ☐ Default for Labeling

☒ Charge Residual Value ☐ Charging Restocking Fee ☐ Selectable in Web Application

☐ Multi Read Rewash ☒ Bypass Insurance on Route Assistant ☐ Driver Sales

When the customer is set to “Charge Residual Value”, on the Route Assistant the new scan action is selectable:

Select Scan Action

BAN Rasa 1012 bill LR test  
Account # 100007246

Flag 0

Replace 0

Damage (Bill Now) 0

Returns 0

Based on the reason code the user selects, damage will be charged or not (bypassing any applicable insurance if the reason code is set as such also):

The left screenshot shows the 'Scan Item' screen with the title 'BAN - No Bill'. It displays 'Last Scanned' as 1002047259 and a large green 'Okay' button. Below the button is an 'ID Code' field and a 'Camera Scan' button. At the bottom, it shows '1 Scanned Items' and 'Billed Now \$ 0.00'. The item listed is 'Nate Johnson SHIRT - LS' with ID 1002047259, marked as 'BAN - No Bill' for \$ 0.0000.

The right screenshot shows the 'Scan Item' screen with the title 'BAN - RA override'. It displays 'Last Scanned' as 1002047260 and a large green 'Okay' button. Below the button is an 'ID Code' field and a 'Camera Scan' button. At the bottom, it shows '3 Scanned Items' and 'Billed Now \$ 46.00'. The items listed are 'Nate Johnson SHIRT - LS' with IDs 1002047260, 1002047248, and 1002047259. The first item has a 'BAN - RA override \$ 25.0000' charge highlighted in red. The other two items are marked as 'BAN - No Bill' for \$ 0.0000.

These charges are added to the current direct invoice immediately for today's route.

For those items which are scanned as damaged, a replacement work order will be created upon route settlement.

Additionally, a new event has been added for automatic flag placement, so that upon settlement of the route, any item scanned for damage on the Route Assistant will have this flag placed, to ensure the plant pulls the garment from the production line (see below).

The 'Automatic Flags' screen shows a list of flags. The 'Modify AutomaticFlag' dialog box is open, showing the 'Scanned Damaged' event with a 'Flag' of 'DAM05' and a description of 'Damage on the Spot'. The dialog box also includes options to 'Save and Exit', 'Exit', 'First', 'Previous', 'Next', and 'Last'. The 'Flag' field is set to 'DAM05' and the 'Event' is 'Scanned Damaged'. There are checkboxes for 'Allow manual deletion of this automatic flag' and 'Allow transfer of this automatic flag'.

Event	Flag Code	Flag Description
Charged for Loss		
Customer no longer active	51	QUIT CUSTOMER/ TAKE OUT OF CIRCULATION
Decrease max inv. after return to stock items with this...		
Direct Sales Only		
End of norm life time reached, auto replacement		
End of Season		
Every xx washes reached		
Flag for return to stock		
Garment Dispense		
Lost And Found		
Maximum Number		
Maximum number of		
Missing emblem		
Product contract en		
Quit Mat		
Quit wearer		
Quit Wearer Inventory		
Repair requested by repair pointer		
Repair requested by Web		
Replacement requested using replacement button	37	REPLACEMENT
Return free of charge item		
Returned		
Rewash		
Saving changed wearer data		
Scanned Damaged	DAM05	Damage on the Spot
Show on replaced item before replacement is active	08	GARMENT REPLACEMENT IN PROGRESS

### 3.2 Route Assistant: Full credit for a wearer

<b>ABS NUMBER</b>	RASA-1153
<b>PURPOSE</b>	Enhancements to Android Route Assistant for wearer summary view and crediting wearer lines
<b>AFFECTED DIALOGUES</b>	
<b>SYSTEM SETTINGS</b>	RAWEARERINVOICESUMMARY, ALLOWWEARERFULLCREDIT
<b>MODULES</b>	ROUTE ASSISTANT, ROUTE ASSISTANT ANDROID

A new system setting has been created to allow laundries to show direct invoice lines on the Route Assistant in a summary format by wearer:

**System setting**

**Modify System setting**

✓ Save and Exit ✗ Exit ↑ First ↑ Previous ↓ Next ↓ Last

Plant: [Redacted]

Setting Group: Route Assistant PDA

Name: RAWEARERINVOICESUMMARY

Type: Integer

Value: 2

☒ Fixed Value ☐ Default Value

Factory Default: 1



Description: Other Plants

This setting controls if all individual invoice lines will be shown when viewing the invoice details, or if a summary will be shown per wearer for those invoice lines that are linked to an individual wearer. Together with these summary lines also all invoice lines will be displayed that are not linked to any individual wearers.  
By default all individual invoice lines will be shown. Possible values:  
1 = Display all individual invoice lines  
2 = Display summary lines per wearer plus all invoice lines that are not linked to an individual wearer

This setting can be used in combination with RAALLOWWEARERFULLCREDIT to make it possible to credit a summarized wearer line

When set accordingly, a new layout of the invoice details screen is displayed on the Route Assistant, which summarizes all invoice lines by wearer – making it easier for the user to review and show the customer what each wearer’s billing is.

For example: The individual invoice lines can still be viewed by selecting the individual wearer:

Invoice Lines						
10001 Wearer One						
				Amt	9.56	
10008 Wearer Five						
				Amt	19.68	
10040 Wearer Four						
				Amt	14.50	
10050 Wearer Six						
				Amt	0.48	
10066 Wearer Two						
				Amt	9.56	
10069 Wearer Three						
				Amt	5.40	
#1 ZL915 Hanging Locker						
Rent						
Qty	10	Price	0.000	Amt	0.00	
#23 ZL915 Hanging Locker						
Budget Protection						
Qty	10	Price	0.000	Amt	0.00	
ENG-AM Energy Charge - Amount						
Special Charge						
Invoice	#10012664			Not Settled		
Prebilled	Adjustment			Total Due		

Another system setting has also been introduced, which, when set, allows the Route Assistant user to quickly and easily credit all wearer inventory lines linked to one individual wearer:

Modify System setting

Save and Exit

Exit

First

Previous

Next

Last

Plant

Setting Group

Name

Type

Value

Factory Default

Description

Route Assistant PDA

RAALLOWWEARERFULLCREDIT

Boolean

Yes

No

Fixed Value

Default Value

Yes

No

Other Plants

This setting controls if it is allowed to credit all invoice lines for a wearer at once from within the invoice lines per wearer screen. This screen is only available on the PDA when system setting RAWEARERINVOICESUMMARY is set to 1. By default it is not allowed to credit these lines at once. Possible values:  
N = A full credit for all wearer invoice lines for a single wearer is not allowed  
Y = It is allowed to do a full credit for all invoice line for a single wearer  
  
This setting will be used in combination with RAWEARERINVOICESUMMARY that allows for the display of summarized invoice lines per wearer as well as the possibility to show all individual invoice lines per wearer

When used in combination with the first setting above, it is possible for the user to credit all wearer inventory lines in one action quickly. This is useful for laundries where wearers have multiple inventory lines, and multiple types of garment insurance, for example.

When set, on the Invoice Lines per Wearer screen, an adjustment button is present:

Invoice Lines Per Wearer

#2 10001 Wearer One			
Rent PT20SG - Wearer One 34/28			
Qty	3	Price	Amt
#3 10001 Wearer One			
Rent SP14LT - Wearer One L/RG			
Qty	3	Price	Amt
#4 10001 Wearer One			
Rent SP24LT - Wearer One L/SS			
Qty	3	Price	Amt
#5 10001 Wearer One			
Rent JT22SG - Wearer One L/RG			
Qty	1	Price	Amt

Page 122 of 211

When pressed, this will take the user to a new screen – the Wearer Full Credit screen:

Wearer Full Credit ✓

10001 Wearer One

Amount

Prebilled	9.56
Total to be credited	9.56

**Adjustment Reason**

Reason Keying Error - Office

Here the user can select a reason code and press the checkbox to credit all invoice lines for that individual wearer on that day's direct invoice.

### 3.3 Route Assistant: Sort by admin # for wearers

ABS NUMBER	RASA-1111
PURPOSE	Allow for sorting of wearers on the Android Route Assistant by wearer admin number instead of wearer number
AFFECTED DIALOGUES	
SYSTEM SETTINGS	RAWEARERSORTORDER
MODULES	ROUTE ASSISTANT, ROUTEASSISTANT ANDROID

For laundries who make extensive use of the wearer admin number, a new system setting has been introduced, which allows for sorting wearers on the Android Route Assistant by their admin number instead of wearer number:

**System setting**

**Modify System setting**

✓ Save and Exit ✗ Exit ↑ First ↑ Previous ↓ Next ↓ Last

Plant: [ ]

Setting Group: Route Assistant PDA

Name: RAWEARERSORTORDER

Type: Integer

Value: [ 2 ]

☒ Fixed Value ☐ Default Value

Factory Default: [ 1 ]

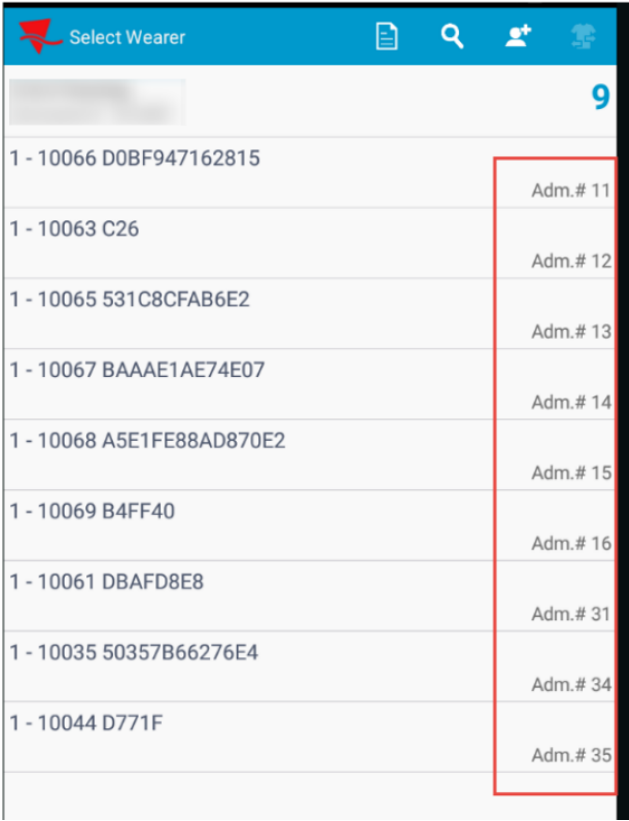
Description: Other Plants

This setting controls how the wearers should be sorted in the Select wearer screen for a stop. By default the sorting will be done on wearer number, but when desired also a sorting on wearer admin number can be done. Possible values:  
1 = Sort by wearer number  
2 = Sort by wearer admin number

This setting will be used in combination with RASHOWDEPARTMENT to define the sorting for the Select wearer screen. When this setting is active, then sorting will be done on department number first and within the department either on wearer number or wearer admin number.



When set to sort by admin number, the display on the RA is as seen here:



The screenshot shows a mobile application interface titled "Select Wearer". It features a list of wearers, each with a unique ID and an associated admin number. The admin numbers are sorted in ascending order. A red rectangular box highlights the "Adm.#" column, indicating the sort order.

ID	Adm.#
1 - 10066 D0BF947162815	Adm.# 11
1 - 10063 C26	Adm.# 12
1 - 10065 531C8CFAB6E2	Adm.# 13
1 - 10067 BAAAE1AE74E07	Adm.# 14
1 - 10068 A5E1FE88AD870E2	Adm.# 15
1 - 10069 B4FF40	Adm.# 16
1 - 10061 DBAFD8E8	Adm.# 31
1 - 10035 50357B66276E4	Adm.# 34
1 - 10044 D771F	Adm.# 35

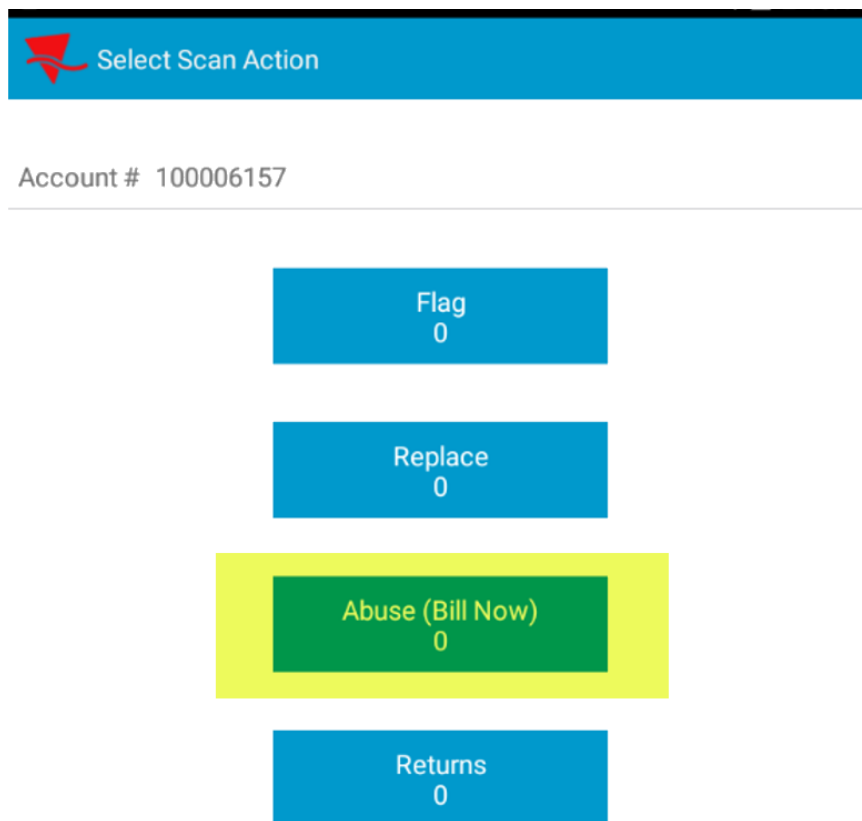
This sort order by admin number is also seen in the Return Items stop action and the Wearer Accountability screen on the Route Assistant.

### 3.4 Route Assistant: Change button Damage to Abuse

ABS NUMBER	RASA-1388
PURPOSE	Change the label within the Route Assistant Android from scanning items as Damaged into Abused
AFFECTED DIALOGUES	Route Assistant
SYSTEM SETTINGS	
MODULES	

With the Route Assistant Android, it is possible to scan unique items (garments) and bill them directly as an invoice adjustment.

The term for this was “Damaged,” this has been changed now to “Abused” throughout the Route Assistant application

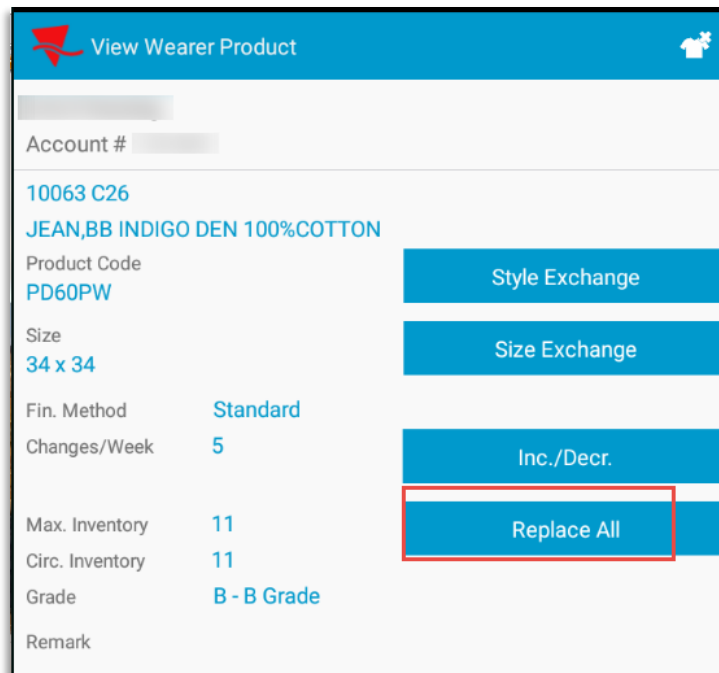


### 3.5 Route Assistant: Mark an entire wearer inventory line for replacement in one go

ABS NUMBER	RASA-1222
PURPOSE	Allow the user of the Android Route Assistant, a quick and easy way to mark an entire wearer inventory line for replacement, instead of scanning garments one by one.
AFFECTED DIALOGUES	
SYSTEM SETTINGS	
MODULES	Android Route Assistant

On the Android Route Assistant, a new option has been introduced for garment management for wearers.

A new action button has been added – “Replace All” – which allows the user to create a replacement work order for the entire wearer inventory line at once:



With this, the user has the option to scan returned garments if they choose, but they are not required to do so. Upon route settlement, a replacement work order will be created for the max inventory of the wearer inventory line.

This enhancement makes it easier for the Route Assistant user to service a customer and replace garments without the need to have all garments physically present at the time.

### 3.6 Route Assistant: Allow user to select the Consumption Point when adding a new wearer

<b>ABS NUMBER</b>	RASA-1451
<b>PURPOSE</b>	To allow the user to select a Consumption Point when adding a wearer
<b>AFFECTED DIALOGUES</b>	Android Route Assistant
<b>SYSTEM SETTINGS</b>	RASELECTWEARERCPL
<b>MODULES</b>	Android Route Assistant

Some laundries make use of the Consumption Point functionality for wearers. To improve the functionality of the Android Route Assistant, a new option has been introduced to allow users to select a wearer's consumption point when adding a new wearer.

This functionality is controlled by a new system setting "RASELECTWEARERCPL". When activated, the Consumption Point field is displayed and selectable for wearers on the Route Assistant in ADD mode.

The screenshot shows the 'Add Wearer' dialog in the Android Route Assistant. The form has a blue header with a red location pin icon and the text 'Add Wearer'. Below the header, there are several input fields: 'Auto Plaza' (with a dropdown arrow), 'Account #' (with a dropdown arrow), 'Number' (text input with '1'), 'First Name' (text input with 'Andrew'), 'Last Name' (text input with 'Jackson'), 'Emblem Name' (text input with 'Andrew'), 'Department' (dropdown menu with 'Auto Plaza dept 1'), 'Cons. Point' (dropdown menu with 'CP1', highlighted by a red rectangle), 'Bank/Locker' (text input with a slash), 'Admin.#' (text input), 'Reason' (dropdown menu with 'Additional Invt Add Mn/Prod'), and 'Remark' (text input). At the bottom right, there is a blue button labeled 'Add Product'.

This selection is available in the ADD mode and with Make Alike. The consumption point information for a wearer is not displayed or editable in MODIFY mode.

### 3.7 Customer: Locker Management required by default

<b>ABS NUMBER</b>	ABS-76143
<b>PURPOSE</b>	Locker management filled by default when adding customer
<b>AFFECTED DIALOGUES</b>	Customer dialog
<b>SYSTEM SETTINGS</b>	LOCKERMANAGEMENTDEFAULT
<b>MODULES</b>	

A new system setting, LOCKERMANAGEMENTDEFAULT has been introduced to have locker management checked by default when adding a new customer.

When set to value 1 the checkboxes will be filled by default:

**Inquiry Customers**

Save Cancel

Number 2000079 Name Legacy Customer Number

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

**Services**

Visit on MO TU WE TH FR SA SU

Service Team

Return Garments On Next Week Same Day

Sorting Info during Outscan No Sorting Info

Phased Delivery WO Allowed, not defaulted

**Delivery Note Settings**

Quantities Per ☒ Product ☐ Product / Size

Show ID Codes ☐ Out Scanned Items ☐ Items Delivered from Stock ☐ Items Returned to Stock

Printing ☒ Suppress printing of batch delivery notes

☒ Locker Management

☒ Obligated Use of Bank/Locker for Every Wearer

☐ Use Garment Dispenser

☒ Code Uniquely

☐ Swing Suit Delivery

☒ Allow Automatic Sales of Garments during Issue

☐ Allow Automatic Flag Season Change

☐ Allowed Deposit Stock

☐ Show wearer change message in outscan

☐ Show reason code at outscan from stock

### 3.8 Customer: pre-set charging of Loss and Residual Value via system settings

<b>ABS NUMBER</b>	ABS-79493
<b>BACKGROUND &amp; PURPOSE</b>	Control the creation of Loss and Residual Value charge based on system settings for Garment and Non-Garment products
<b>AFFECTED DIALOGUES</b>	Customer and System Settings
<b>SYSTEM SETTINGS</b>	NONGARMENTSLOSSCHARGE CHARGEREPLACEMENTBASEDRV
<b>MODULES</b>	-

Two new system settings are introduced in order to control the charge of Loss and Residual Value for both garments and non-garment products.

These  
system  
settings in

The screenshot shows the 'System setting' dialog box with the title 'Modify System setting'. The 'Plant' is set to 'B01 | Minneapolis'. The 'Setting Group' is 'Billing'. The 'Name' is 'NONGARMENTSLOSSCHARGE'. The 'Type' is 'Integer'. The 'Value' is set to '1'. The 'Factory Default' is '0'. The 'Description' tab is selected, showing the following text: '0 = Loss charges are always calculated for non garments, so disregarding the setting on customer level (Charge loss charge in garment charges tab). 1 = Loss is charged for non garments depending on the setting on customer level.'

The screenshot shows the 'System setting' dialog box with the title 'Modify System setting'. The 'Plant' is set to 'B01 | Minneapolis'. The 'Setting Group' is 'Billing'. The 'Name' is 'CHARGEREPLACEMENTBASEDRV'. The 'Type' is 'Integer'. The 'Value' is set to '1'. The 'Factory Default' is '0'. The 'Description' tab is selected, showing the following text: '0 = Replacement charge is charged disregarding setting on customer level 1 = Replacement charge is charged only if customer is set to charge residual value. This setting is only applicable for US direct invoicing'

Save

Cancel

Number

100006145

Name

JDV-79493

Legacy Customer Number

General

Ordering

Delivery

Garments

Garment Charges

Billing

Payment

Special

Flex Fields

Garment Charges

Rent Spec.

Products per Wearer

Repair Rented

☒ Allow

☒ Charge

☐ Restocking Fee

Repair COG

☒ Allow

☒ Charge

☐ Stock Charge

Variable Services

☐ Allow

☐ Charge

Charge

☐ Residual Value

☒ Washes at First Issue

☐ Loss Charges

☐ Allow Depreciation on Loss Charge

Temporary Rent Stop

### 3.9 Contract: Extend compliancy check on garment charges

ABS JIRA NUMBER(S)	ABS-75638
BACKGROUND & PURPOSE	Add compliancy rules for garment charges attributes related to repairs on the contract
MODULE(S)	CONTRACT MANAGEMENT   REPAIR
SYSTEM SETTING(S)	-

#### Customer product / - contract management

In order to allow for better monitoring and compliancy enforcement, the selection of a number of fields from the Garment Charges tab for the customer have been added at the Contract level:

The screenshot displays the 'Contract Components' interface. On the left is a navigation tree with categories like Product Settings, Charges, Settings, Emblem Templates, Wearer Functions, Invoicing, Payment, Miscellaneous, Products, and Quantity Control. The 'Charges' category is expanded. The main area is titled 'Contract Components' and includes 'Save' and 'Exit' buttons. Below this is the 'Modify Charges' section with an 'Apply' button. The 'Emblem, Label and Prep Charges' section contains a 'General Prep Charge' checkbox. The 'Garment Charges' section includes a 'Rent Spec.' dropdown set to '1' and a 'Products per Wearer' dropdown. A red box highlights a list of garment charges with checkboxes for 'Allow' and 'Charge':


Garment Charge	Allow	Charge
Repair Rented	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Repair COG	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Variable Services	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Charge Residual Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Charge Loss	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>





For compliance enforcement, these attributes have also been added at the Compliance Template level:


Compliance Template


Add Compliance Template


 Save and Exit

 Cancel

 First

 Previous


 Next


 Last


Code


Description


Contract Attribute

 Add

 Modify

 Delete

 Grid Views

 Print

Group	Attribute Name	Compliance Rule
Garments - Charges	RepairRented	Contract suggested, can be overru...
Garments - Charges	RepairCOG	Contract suggested, can be overru...
Garments - Charges	VariableServices	Contract suggested, can be overru...
Garments - Charges	ChargeResidualValue	Contract suggested, can be overru...
Garments - Charges	ChargeLossCharge	Contract suggested, can be overru...

### 3.10 Contract: Compliancy rules for wearer functions and emblem templates

<b>ABS NUMBER</b>	ABS-70817
<b>BACKGROUND &amp; PURPOSE</b>	Extended the compliancy functionality on the contract for wearer functions and emblem templates. Wearer functions and emblem templates are included in the compliancy check in the contract dialog in order to make sure the contract customers will follow the settings on the contract.
<b>AFFECTED DIALOGUES</b>	Contract Wearer functions Emblem templates Compliancy template
<b>SYSTEM SETTINGS</b>	-
<b>MODULES</b>	Contract management

With this development the wearer function and emblem templates will be checked for compliancy in the contract.

Contract Components

Save

Exit

Product Settings

Emblem Templates

Wearer Functions

Invoicing

Payment

Miscellaneous

Products

Quantity Control

Modify Emblem Templates

Apply

Emblem Template Compliancy

Compliancy

Allow Emblem Templates Not in Contract

Emblem Templates

Count : 16

Grid View All

Add

Modify

Delete

Duplicate

Grid Views

Print

Only show active

Code	Description	Printed N...	Prep Charge	Total Prep&Em...	Total amount e...	Total amount L...
1	1	<input checked="" type="checkbox"/>	25.0000	25.0000	0.0000	0.0000
10	10	<input checked="" type="checkbox"/>	25.0000	25.0000	0.0000	0.0000
11	11	<input type="checkbox"/>	25.0000	25.0000	0.0000	0.0000
111	123	<input type="checkbox"/>	25.0000	25.0000	0.0000	0.0000
12	1	<input type="checkbox"/>	25.0000	25.0000	0.0000	0.0000
13	13	<input type="checkbox"/>	25.0000	25.0000	0.0000	0.0000
1915	1519	<input checked="" type="checkbox"/>	25.0000	25.0000	0.0000	0.0000
2	2	<input type="checkbox"/>	25.0000	25.0000	0.0000	0.0000
3	3	<input type="checkbox"/>	25.0000	25.0000	0.0000	0.0000
4	4	<input type="checkbox"/>	25.0000	25.0000	0.0000	0.0000
5	5	<input checked="" type="checkbox"/>	25.0000	25.0000	0.0000	0.0000
6	6	<input type="checkbox"/>	25.0000	25.0000	0.0000	0.0000
7	7	<input type="checkbox"/>	25.0000	25.0000	0.0000	0.0000
8	8	<input type="checkbox"/>	25.0000	25.0000	0.0000	0.0000
9	9	<input type="checkbox"/>	25.0000	25.0000	0.0000	0.0000
TT	demo	<input checked="" type="checkbox"/>	25.0000	25.0000	0.0000	0.0000

X

## Compliance Rule

Compliance Rule

✓ Save and Exit ✗ Exit

Contract

PBR-P1 | PBR-P1

Section

Compliance: All □

Compliance Rule

—
☐ Not in Contract

🛡️
☒ Contract enforced

🔒
☐ Contract enforced, can only be overruled by maintenance user

💡
☐ Contract suggested, can be overruled

Compliance

Compliant

Customers Count : 25 Grid View All

🔍 Details ⚡ Enforce Selected 🌿 Enforce All 🗪 Grid Views 🖨 Print

Customer N...	Name	Emblem Templ...	Compliance	
111	John Silver		Compliant	⬆
23031	OOD Customer1		Compliant	
23032	OOD Customer2		Compliant	
223344	IBM - Interstate Beef		Compliant	⋮
1000001	PBR_001		Compliant	
1000002	PBR_002		Compliant	
1000004	PBR-4		Compliant	
1000008	PBR 8 test		Compliant	
1000010	PBR PO Test		Compliant	
1000011	PBR 11 test		Compliant	
1000012	PBR-12 test		Compliant	
1000013	PBR-13 test		Compliant	⬇

Contract Components
PBR-P1 PBR-P1

Save Exit

- + Product Settings
- Emblem Templates
- Wearer Functions** !
- + Invoicing
- Payment
- Miscellaneous
- Products
- Quantity Control

### Modify Wearer Functions

✓ Apply

**Wearer Function Complacency**

! Complacency ☐ Allow Wearer Functions Not in Contract

**Contract Wearer Functions** Count : 13 Grid View Alt

+ Add 
 ✏ Modify 
 - Delete 
 D Duplicate 
 G Grid Views 
 P Print 
 ☐ Only show active

Code	Description	Special Min.Gr...	Special Max.Gr...	Code Label Layout	System U...	Timestamp
1	1				01/IV	May 21, 20...
2	2	New			GSC	Aug 17, 20...
20	20				GSC	Aug 23, 20...
21	21				GSC	Aug 23, 20...
22	22				GSC	Aug 23, 20...
23	23				GSC	Aug 23, 20...
24	24				GSC	Aug 23, 20...
25	25				GSC	Aug 23, 20...
26	26				GSC	Aug 24, 20...
55	55				GSC	Aug 24, 20...
56	56				GSC	Aug 24, 20...
CC	demo	New			GSC	Aug 23, 20...
CONTAB	contabil				GSC	Aug 21, 20...

Compliance Rule

Save and Exit

Exit

Contract

PBR-P1 | PBR-P1

Section

Compliance: All

Compliance Rule

Not in Contract

Contract enforced

Contract enforced, can only be overruled by maintenance user

Contract suggested, can be overruled

Compliance

Not Compliant

Customers

Count : 6

Grid View All

Details

Enforce Selected

Enforce All

Grid Views

Print

Customer N...	Name	Wearer Functi...	Compliance
23032	00R Customer2	embtemp_id (1...	Not Compliant
1000010	PBR PO Test		Compliant
2000057	Bill TO test		Compliant
2000140	Monday & Thursday		Compliant
2000171	McDonald's UNIRII 171		Compliant
2000181	1815555		Compliant

When enforcing the templates or functions down to the customer all settings will be set equal to the contract settings.

### 3.11 Contract: Purchase order management

<b>ABS NUMBER</b>	ABS-70263
<b>BACKGROUND &amp; PURPOSE</b>	With this development contract purchase orders can be updated on final invoices in order to assure invoices are paid with the correct purchase order reference. With the dialog “contract purchase order monitor” the status of all purchase orders can be monitored.
<b>AFFECTED DIALOGUES</b>	Contract Contract purchase order monitor Maintain invoices Settlement
<b>SYSTEM SETTINGS</b>	-
<b>MODULES</b>	Contract Contract PO

In the contract dialog purchase orders can be connected to contracts:

The purchase order can be a single customer Purchase Order or used by multiple customer. To add the purchase order to multiple customers the “copy customer to contract” is used.

### Add Customer to Contract

Contract: PBR-P1 | PBR-P1

Contract Owner: 1

Contract Type: STAND | Standard

Contract Customer:  

Brand:  

Start Date: 05/23/2019 16 End Date: 06/30/2025 16

Copy Contract PO: ☒ All ☐ None ☐ Selection Please Select...

Copy Price Lists: ☒ All ☐ None ☐ Selection Please Select...

Copy Products: ☒ All ☐ None ☐ Selection Please Select...

Copy Emblem Templates: ☒ All ☐ None ☐ Selection Please Select...

Copy Wearer Functions: ☒ All ☐ None ☐ Selection Please Select...

OK
Cancel

When invoices are generated the value of the invoices are decreased from the purchase order.

### Contract Purchase Order Numbers

Save and Exit
✖ Exit
First
Previous
Next
Last

Contract: PBR-P1 | PBR-P1

Contract Owner: 1

**Contract Purchase Order Number**

Start Date: 04/30/2018 16 Expiration Date: 06/30/2018 16

PO Number: BAIITest123

Value: USD 5000.000

Invoiced Amount: USD 45.000 0.90 %

Invoiced (inc. unsettled): 75.000 1.50 %

Open: USD 4955.000 99.10 %

Est Weeks Remaining: 6166

Warn when: 0.00 % is reached or 0 days before expiration

When Value is reached: ☐ Close PO ☒ Continue until expired (exceed PO value) ☐ Continue until expired or 100.00 %

☐ Only use for BU  
☐ Single Customer PO  

Invoice Line Types Customers Usage

**Purchase Order Usage** Count: 2 Grid View All

Purchase Order
Grid Views
Print

Invoice Number	Customer Number	Customer Name	Value	Invoice Date	Status
13000019	1000010	PBR PO Test	30.00	Jul 3, 2018	Unsettled
13000031	1000010	PBR PO Test	45.00	Jul 5, 2018	Settled



In the “contract purchase order” screen, users can monitor, search and make modifications to purchase orders.

Contract Purchase Order Monitor

Contract Code: ? [OK] [Cancel] [All]  
Contract Description: Begins with: [OK] [Cancel] [All]  
Customer: ? [OK] [Cancel] [All]  
Customer Name: Begins with: [OK] [Cancel] [All]  
Purchase Order Number: Begins with: [OK] [Cancel] [All]  
Purchase Order Value: From: [OK] [Cancel] [All] To: [OK] [Cancel] [All]  
Begin with: [OK] [Cancel] [All]

LOAD

☐ Est Weeks Remaining less than: 2 Weeks  
☐ Percentage Remaining less than: 2%  
☐ Expires in less than: 0 Weeks

Contract Purchase Order Numbers

Count: 105 Grid View All

Start Date	PO Number	Expiration Date	PO Value	Invoiced Amount	Business Unit Code	Contract Code	Invoiced A.	Max Perc.	Single Cus.	Warn Days	Customer Number	Close Action	Estimate	Percentage	Warn Per.
2019-03-01	APN2019-04-01	2019-04-01	100,000.000	0.000		111122	0.00	100.00	<input checked="" type="checkbox"/>	0	111122	Continue until expired (exceed PO value)	0	100.00	0.00
2019-03-22	99887766	2019-05-22	150,000.000	0.000		321123	0.00	100.00	<input type="checkbox"/>	30	111122	Multiple Continue until expired (exceed PO value)	0	100.00	0.00
2019-04-01	52a	2019-05-08	0.000	0.000		111122	0.00	100.00	<input type="checkbox"/>	0	111122	Continue until expired (exceed PO value)	0	0.00	0.00
2019-04-05	09a	2019-04-07	20.000	0.000		111122	0.00	100.00	<input type="checkbox"/>	0	111122	Continue until expired (exceed PO value)	0	100.00	0.00
2019-04-05	06	2019-04-07	5.000	0.000		111122	0.00	100.00	<input type="checkbox"/>	0	111122	Continue until expired (exceed PO value)	0	100.00	0.00
2019-04-06	08	2019-04-10	80.000	0.000		111122	0.00	100.00	<input checked="" type="checkbox"/>	0	111122	Continue until expired (exceed PO value)	0	100.00	0.00
2019-04-11	GG1a1	2019-04-13	22.000	0.000		111122	0.00	100.00	<input type="checkbox"/>	0	111122	Continue until expired (exceed PO value)	0	100.00	0.00
2019-04-11	GG1a2	2019-04-13	44.000	0.000		111122	0.00	100.00	<input type="checkbox"/>	0	111122	Continue until expired (exceed PO value)	0	100.00	0.00
2019-04-12	43434	2019-12-31	0.000	0.000		2 2	0.00	100.00	<input type="checkbox"/>	0	111122	Continue until expired (exceed PO value)	0	0.00	0.00
2019-04-12	889	2019-05-22	99.000	0.000 044		899999	0.00	100.00	<input type="checkbox"/>	0	899999	Continue until expired (exceed PO value)	0	100.00	0.00
2019-04-12	123456	2019-06-08	70.000	0.000 044		123456	0.00	100.00	<input checked="" type="checkbox"/>	0	2000002	Continue until expired or percentage reach...	0	100.00	10.00
2019-04-12	777	2019-06-11	70.000	0.000 044		1234567	0.00	100.00	<input type="checkbox"/>	0	2000002	Continue until expired (exceed PO value)	0	100.00	0.00
2019-04-13	899999	2019-06-10	1,100.000	0.000 013		899999	0.00	100.00	<input type="checkbox"/>	0	899999	Continue until expired (exceed PO value)	0	100.00	0.00
2019-04-17	3333333333	2019-06-08	0.000	0.000		3333333333	0.00	100.00	<input type="checkbox"/>	0	111122	Continue until expired (exceed PO value)	0	0.00	0.00
2019-04-18	4	2019-06-02	5,000.000	-245.716		PBR-P1	0.00	100.00	<input type="checkbox"/>	0	111122	Multiple Close PO	0	104.91	0.00
2019-04-18	1122222	2019-07-15	374.856	375.236		PBR-P1	153.45	100.00	<input type="checkbox"/>	0	111122	Multiple Close PO	0	-53.45	0.00
2019-04-18	1234	2019-07-15	199.000	374.856		PBR-P1	188.37	100.00	<input type="checkbox"/>	0	111122	Close PO	0	-88.37	0.00
2019-04-19	3454545	2019-06-02	0.000	0.000 013		1234567	0.00	100.00	<input type="checkbox"/>	0	111122	Continue until expired (exceed PO value)	0	0.00	0.00
2019-04-19	55-0021-04-19	2019-04-19	0.000	0.000		PBR-P1	480.00	100.00	<input type="checkbox"/>	0	111122	Multiple Close PO	0	-380.00	5.00
2019-04-19	ABC123451	2019-04-19	100.000	0.000		PBR-P1	0.00	100.00	<input type="checkbox"/>	0	111122	Multiple Continue until expired (exceed PO value)	0	100.00	0.00
2019-04-19	ABC123451	2019-04-19	100.000	0.000		PBR-P1	0.00	100.00	<input type="checkbox"/>	0	111122	Multiple Continue until expired (exceed PO value)	0	100.00	0.00
2019-04-20	ABC12345	2019-04-19	101.000	0.000		PBR-P1	0.00	100.00	<input type="checkbox"/>	0	111122	Multiple Continue until expired (exceed PO value)	0	100.00	0.00
2019-04-20	ABS 123	2019-04-20	100.000	0.000		PBR-P2	0.00	100.00	<input type="checkbox"/>	0	10000006	Continue until expired (exceed PO value)	0	100.00	75.00
2019-04-20	21323	2019-04-30	0.000	0.000		3232	0.00	100.00	<input type="checkbox"/>	0	111122	Continue until expired (exceed PO value)	0	0.00	0.00

When a purchase order needs to be changed/replaced this can be done from within the contract.

Contract Purchase Order Numbers

Modify Contract Purchase Order Numbers

Save and Exit Exit First Previous Next Last

Contract: PBR-P1 | PBR-P1  
Contract Owner: 1

Contract Purchase Order Number

Start Date: 04/30/2018 [OK] Expiration Date: 06/30/2019 [OK]  
PO Number: BANTest123  
Value: USD 5000.000 Warn when: 0.00 % is reached or 0 days before expiration  
Invoiced Amount: USD 45.000 0.90 %  
Invoiced (inc. unsettled): 75.000 1.50 %  
Open: USD 4955.000 99.10 %  
Est Weeks Remaining: 6166  
☐ Only use for BU  
☐ Single Customer PO  
Invoice Line Types: Customers Usage

When Value is reached: ☐ Close PO ☒ Continue until expired (exceed PO value)  
Continue until expired (exceed PO value) until expired or 100.00 %

Purchase Order Usage  
Purchase Order Grid Views

Count: 2 Grid View All

Change Purchase Order

Change Purchase Order

Current Purchase Order: BANTest123  
New Purchase Order: 4  
OK Cancel

Invoice Number	Customer Number	Customer Name	Value	Invoice Date	Status
13000019	1000010	PBR PO Test	30.00	Jul 3, 2018	Unsettled
13000031	1000010	PBR PO Test	45.00	Jul 5, 2018	Settled

Purchase orders can be adjusted on the invoices(settled/unsettled) from the invoice and settlement.

**Invoice**

**Inquiry Invoice**

Save and Exit Exit First Previous Next Last **Purchase Orders**

Date: 05/22/2018 Delivery Date: May 22, 2018 Original Invoice Date:   
Del To Customer: 1000010 | PBR PO Test Number: 13000001   
Route: 8484 Payment Type: Charge   
Bill To Customer: 1000010 | PBR PO Test Stop: 0   
Total Amount: 47.813   
Remark: Currency: USD   
Internal Remark: Purchase Order: <multiple>

Invoice Lines: Remarks

**Invoice Lines** Count: 4 Grid View All

+ Add Modify Delete Duplicate Credit Invoice Lines Grid Views

Lin...	Type	Wearer Number	Code	Description	Quantity	Price	Amount	Adj. Q...	Ac
1	Rent		03UM06 I		2	22.0000	44.000	0	
2	Sales		300202 C		1	1.0000	1.000	0	
9501	Tax		MA	MA Tax	1	0.0000	2.750	0	
9502	Tax		MA	MA Tax	1	0.0000	0.063	0	

**Change Purchase Order**

Del To Customer: 1000010   
Invoice Number: 13000001   
Invoice Date: May 22, 2018   
Invoice Amount: 47.813

**PO Numbers** Count: 3 Grid View All

PO Number	Invoiced Value	New PO Number
1	44.000	4
4	1.000	
	2.813	

Process Cancel



### 3.12 Product List Per Customer: Bill minimum % on garments

<b>ABS NUMBER</b>	ABS-75642
<b>BACKGROUND &amp; PURPOSE</b>	Create possibility of billing garments via Billing Method 2, minimums based on MAX inventory
<b>AFFECTED DIALOGUES</b>	Product List per Customer / Contract
<b>SYSTEM SETTINGS</b>	UNDERUSEMETHOD
<b>MODULES</b>	-

With this feature, Billing Method 2 => Rent Based on Minimums and system setting UNDERUSEMETHOD on value 4, the underuse method has been expanded to also be available for type of merchandise 2 => garments. Garments can now also be set to on contract and Product List per Customer level to size \*.

Both on the Contract level and the Product List per Customer level, the option “Rent based on Max Quantity in Circulation” has become available. Additionally, at the Contract level, compliancy checks for this billing method are introduced.

The screenshot displays the 'Modify Contract Product' window with the 'Modify Billing' tab active. The contract is identified as 'ABS\_IDV | ABS\_IDV BM2' with product '1403DKN | PANTS FLEX-DARK NAVY-COTTO'. The billing method is '2) Rent Based On Minimum'. The 'Charge Rent Over' section has three options: 'Rent based on Circulating Inventory', 'Rent based on Real Quantity in Circulation', and 'Rent based on percentage of Max Inventory' (which is selected). The 'Based On' section has two options: 'Minimum Turn Around' (selected) with a value of '40.00 %', and 'Minimum Quantity'. The 'Calculate every' dropdown is set to 'Every Visit (when billed)'. The 'Pricing' section at the bottom shows 'Current price' for Rental (1.5000), Wash (45.0000), and Replace (45.0000).

For direct invoicing (US market) the Delivery or Bill schedule will be taken into account as well.

This means that with this billing method, for example when the minimum percentage of max inventory calculates as 10 pieces, and only 6 items are delivered, the minimum of 10 pieces will be invoiced.

### 3.13 Bill loss on maximum inventory

ABS JIRA NUMBER(S)	ABS-71992
BACKGROUND & PURPOSE	Offer the ability to bill loss based on the wearer Max inventory
MODULE(S)	GARMENTS BASIS (USA)
SYSTEM SETTING(S)	LOSSCHARGEINVENTORYTYPE

Dialog(s):     **TAKE ITEMS OUT OF CIRCULATION**  
                   **ROUTE ASSISTANT ANDROID**  
                   **WEARER**  
                   **ROUTE STATUS CONTROL - GENERATE DIRECT INVOICE (USA)**

With this order, the option is now available to bill loss charges based on a wearer's max inventory quantity.

The system setting LOSSCHARGEINVENTORYTYPE sets the system to bill based on the circulating inventory (current functionality) or max inventory (NEW).

The screenshot shows the 'Modify Wearer' dialog box. The 'Wearer Inventory' section at the bottom contains a table with the following data:

Empl#	Code	Size	Description	Fin. Method	Circ. Inv.	Max. Inv.	Chgs/...	Price
1	1078BLU	M33	SHIRT - LS	FIFOLD	9	11	5	

The 'Max. Inv.' column for the first row is highlighted with a red box, indicating the new functionality.

When set to bill based on Max inventory, the max number will be used for all loss charge scenarios for garments.

Additionally, in the dialog "Take Items out of Circulation", for any unique ID belonging to a quit wearer inventory line, the **Action** radio button will be automatically fixed to "Reduce Max".

**Loss will be billed regardless of the stay of the individual unique ID's in circulation.**

This system setting is also exported to the Android Route Assistant, and "Bill for Loss Now" functionality on the Route Assistant is driven by the Max qty instead of the circulating inventory.

### 3.14 Bill loss on based on stay (extended USA Loss functionality)

ABS JIRA NUMBER(S)	ABS-78515
BACKGROUND & PURPOSE	Loss charge for items with stay in laundry
MODULE(S)	GARMENTS BASIS (USA)
SYSTEM SETTING(S)	CHARGELOSSUSINGSTAY

Dialog(s):      **ROUTE STATUS CONTROL - GENERATE DIRECT INVOICE (USA)**

With this new feature, it is possible to determine if the stay of garments which are in the laundry is taken into account when charging loss.

This is done via a new system setting CHARGELOSSUSINGSTAY.

0 = All uniquely coded garments that are in circulation are charged for loss.

1 = Only uniquely coded garment that have stay (20 – 29, At Customer) are charged for loss

To start using this option, we recommend to add this to your customer contract options and instruct your sales team members.

### 3.15 Exchange Fee: Fee for garment replacements

<b>ABS NUMBER</b>	ABS-75843
<b>PURPOSE</b>	Exchange fee for replaced garments.
<b>AFFECTED DIALOGUES</b>	Customer Contract Reason codes Maintain garment charges invoicing
<b>SYSTEM SETTINGS</b>	GARMENTEXCHANGECHARGE GARMENTEXCHANGECHRGPRICE
<b>MODULES</b>	GARMENT EXCHANGE CHARGE

This is about a new fee to be charged / applied on replacement orders.

In Customer- and Contract-dialog a new setting is added to define the exchange fee is available.

“Charge Exchange Fee”

The screenshot shows the 'Inquiry Customers' dialog box with the 'Garment Charges' tab selected. The 'Charge Exchange Fee' is highlighted in the 'Prep Charges, Emblems & Labels' section. The 'Charge Exchange Fee' is set to 2.5000. Other settings include 'Rent Spec' (Products per Wearer), 'Budget Protection' (Not applicable), 'Restocking Fee' (checked), 'Stock Charge' (unchecked), 'Product Special Size Charging' (checked), 'Repair Rented' (checked), 'Repair COG' (checked), 'Variable Services' (unchecked), 'Charge' (checked), 'Residual Value' (checked), 'Washes at First Issue' (unchecked), 'Loss Charges' (checked), 'Allow Depreciation on Loss Charge' (unchecked), 'Merchandise Buyout Charge' (checked), 'Prep Charges, Emblems & Labels' (unchecked), 'Locker Service Charges' (unchecked), 'Charge Rent per Bank Locker' (unchecked), 'Charge Fixed Number of Bank/Lockers' (checked), 'Charge per Occupied Locker' (unchecked), 'Charge per Circulating Garment per Locker' (unchecked), 'Charge Service per Delivery' (unchecked), 'Charge per Locker' (checked), 'Charge per Garment per Locker' (unchecked), and 'Mention Filling of Bank/Lockers on Routelist' (unchecked).

When applicable and reason code set up for exchange fee, see next page.

Reason code

Modify Reason code

Save and Exit

Cancel

First

Previous

Next

Last

Code

E

☒ Export To Hand Held

Reason Group

Description

Exchange

Sort Address

Inventory Adjustment Reason

Billing Adjustment Reason

Dialogs

Default Stockrooms per Business Unit

Inventory Adjustment Reason

☒ Reason for Inventory Adjustment

Selectable

☐ For Non Garments

☐ OR Packs

☒ For Garments

Triggers

☐ None of the mechanisms mentioned below

Garment Ordering:

☐ Free Extra Inventory

☒ Replacement

☐ Automatic Sales during Issue

Settlement

☐ Direct Inventory Adjustment

☐ Future Inventory Adjustment

☐ Temporary Inventory Adjustment(Loan)

☐ Order without Inventory Adjustment

☐ Flat Rate Adjustment

Reason For

☐ First Issue

☒ Charging Make up/Preparation Costs

☐ Make Customer Owned Unique Item

☐ Default for Labeling

☐ Default for Undo Stock Reception from PO

☐ Default for Receive Items from SDO Push

☐ Charge Residual Value

☒ Charging Restocking Fee

☐ Rag/Make Customer Owned Loss Charged Items

☐ Selectable in Web Application

☒ Charge Emblem

☐ Cancel OR Packs in Delivery Note screen

☐ Phase In / Out Products

☐ Multi Read Rewash

☒ Charging Special Size Charge

☐ Bypass Insurance on Route Assi...

☐ Driver Sales

☒ Charge MBYO

☒ Charge Exchange Charge

In maintain garment charges a new fee is visible

Maintain Garment Charges

Customer

2000044

(Elmer Brodusler)

Show

☒ All Not Invoiced from

12/15/2019

☐ All Not Invoiced

☐ Invoiced with Invoice#

☐ Test Invoices

Show Status

☒ (To Be) Charged

☒ Free of Charge

☒ Cancelled Charge

☒ Free for Other Reason

Prep Charges

Entire

Labels

Residual Value

Restocking Fees

Reasons

Garment Sales

Special Size Charges

Exchange Charges

Exchange Charges

Cancel Charge

Undo Cancel Charge

Grid View

Print

Load More

Load All

Count

1

Grid View All

Date	Customer#	Customer Na.	Wearer#	Wearer	BI Code	Product	Product Desc.	Reason	Reason D.	Quantity	Exchange Chrg	Exchange Chrg
Dec 15, 2019	2000044	Elmer Brodusler	Wearer1	40000000001004	501002	LS SHIRT-CHK	E	Exchange		1	To Be Charged	0.00

Displayed on the invoice:

Invoice

Adjust Invoice

Save and Exit

Exit

First

Previous

Next

Last

Purchase Orders

Invoice Date

Dec 23, 2019

Monday

Route

62

Stop

0

Prebilled Amount

855.79

Invoice#

1090001169

Type

Charge

Amount Collected

0.00

Customer

2000044 | Elmer Brockotter

Pay This Amount

855.79

Unable to Deliver, Reason:

Computed Amount

855.79

PurchaseOrder

Invoice Details

Count: 11 Grid View All

Add

Adjust

Add/Quit Wearer

New/Discontinue Item

Lost Account

Grid Views

Lin.	Item/Man#	Description	Quantity	Price	Prebill Amt.	Adj. Qty.	Adj. Amount	Reason	Subtype
1	10138110	TRIMBLE S-MANHOLE COVER	750	0.8800	742.50	0	0.00		Rent Other Items
2	10138110	TRIMBLE S-MANHOLE COVER	375	0.2000	75.00	0	0.00		Automatic Replace
3	EXCHANGE CHARGE	Exchange Charge	1	0.0000	2.22	0	0.00		Exchange Charge
4	10138110	TRIMBLE S-MANHOLE COVER	5	0.2000	1.00	0	0.00		Rent by Wearer Product
5	10138110	TRIMBLE S-MANHOLE COVER	2	0.2000	0.40	0	0.00		Loss Charge Garments - Repla...
6	10138110	TRIMBLE S-MANHOLE COVER	2	0.2000	0.40	0	0.00		Rental charge for lost garments
7	10138110	TRIMBLE S-MANHOLE COVER	11	0.7500	8.25	0	0.00		Garment Maintenance Protectio...
8	10138110	TRIMBLE S-MANHOLE COVER	11	0.8000	8.80	0	0.00		Garment Setup Protection (GSP)
9	10138110	TRIMBLE S-MANHOLE COVER	11	0.2000	2.20	0	0.00		Garment Loss Protection (GLP)
10	10138110	TRIMBLE S-MANHOLE COVER	11	0.2000	2.20	0	0.00		Garment Repair Protection (GRP)
9500	9500	9500	1	0.2000	0.20	0	0.00		

### 3.16 Loss Charge Monitor: Re-generating / cancelling loss charges

<b>ABS NUMBER</b>	ABS-62317
<b>BACKGROUND &amp; PURPOSE</b>	When a loss charge is credited the loss charge can be regenerated based on system setting RECHARGELOSSAFTERCREDIT. In order to give user more flexibility on which loss charges should be re-generated and which loss charges should be cancelled a new dialog is introduced to cancel loss charges which will be re-generated on the next invoice. This will be done in the loss charge monitor.
<b>AFFECTED DIALOGUES</b>	Loss charge monitor
<b>SYSTEM SETTINGS</b>	RECHARGELOSSAFTERCREDIT
<b>MODULES</b>	-

Within this new dialog “Loss Charge Monitor” users with access rights to the dialog can cancel pending re-charged loss charges in order to prevent these being invoiced to the customer.

Loss Charge Monitor

Plant 044Nashua, NH

Filter on Route

Customer

Dept AI Business Unit 044044 - NASHUA, NH AI

Route 7 AI Customer 7 AI

Load

Recharged Loss Charges

Count 13Grid View All

Cancel ChargeGrid ViewsPrint

Plant Code	Business	Process	Route	Route Code	Customer Number	Product Code	Size Code	Finishing Method	Wearer Num	Loss Date	Depot Code	Loss Charge Type	Quantity	Loss Price
044	044	044	95 YZ	2000475 082009	14502	FOLDED				1/2019-05-20		Quit Wearer	6	1.00
044	044	044	95 YZ	2000475 082005	14502	FOLDED				1/2019-05-20		Quit Wearer	6	1.00
044	044	044	69 66	2000410 082009	14502	FOLDED				1/2019-04-22		Quit Wearer	5	1.00
044	044	044	69 66	2000410 082005	14502	FOLDED				1/2019-04-22		Quit Wearer	6	1.00
044	044	044	69 66	2000410 082005	14502	FOLDED				2/2019-04-22		Quit Wearer Inventory	4	1.00
044	044	044	95 YZ	2000475 082005	14502	FOLDED				2/2019-05-20		Quit Wearer Inventory	4	1.00
044	044	044	24 X	13 106001	30034	HANGED				2/2019-04-09		Quit Wearer	9	10.00
044	044	044	69 66	2000410 082009	14502	FOLDED				3/2019-04-22		Decreased Max Inventory	1	1.00
044	044	044	95 YZ	2000475 082009	14502	FOLDED				3/2019-12-31		Decreased Max Inventory	1	1.00
044	044	044	69 66	2000410 082009	14502	FOLDED				4/2019-04-22		Replacement	3	1.00
044	044	044	95 YZ	2000475 082009	14502	FOLDED				4/2019-05-20		Replacement	3	1.00
044	044	044	95 YZ	2000475 150613	48002	HANGED				5/2019-05-20		Quit PLPC	3	1.00
044	044	044	69 66	2000410 150613	48002	HANGED				5/2019-04-22		Quit PLPC	3	1.00

### 3.17 Direct Invoicing US: Enhance Billing Method 4 to allow billing only on “B” days

<b>ABS JIRA NUMBER(S)</b>	ABS-73971
<b>BACKGROUND &amp; PURPOSE</b>	To allow summary billing on “B” days for Billing Method 4 wash charges
<b>MODULE(S)</b>	GARMENTS BASIS (USA)
<b>SYSTEM SETTING(S)</b>	BM4BILLONBDAYONLY

**Dialog(s):**      **ROUTE STATUS CONTROL - GENERATE DIRECT INVOICE (USA)**

A new system setting has been introduced to allow the laundry the option of having all Billing Method 4 wash charges billed only on the “B” (Billing) day of the week for customers with multiple delivery days.

When this setting = 1, wash charges for BM4 will not be charged on days marked as “D” (Delivery) for the customer but will be accumulated and invoiced only on the next “B” (Billing) day.

This functionality only works in conjunction with direct invoice generation.



### 3.18 Replacement workorder: separated workorder per wearer inventory line

ABS NUMBER	ABS-65098
PURPOSE	Improve options for work order creation for replacement WO's
AFFECTED DIALOGUES	Work Order Status Control
SYSTEM SETTINGS	REPLACEMENTWORKORDER
MODULES	

A new option has been added to system setting REPLACEMENTWORKORDER to improve functionality for those laundries who wish to have replacement work orders separated by wearer inventory line.

**Modify System setting**

✓ Save and Exit ✗ Exit ⬆ First ⬆ Previous ⬇ Next ⬇ Last

Plant: [Text Box]  
Setting Group: Garment Recording  
Name: REPLACEMENTWORKORDER  
Type: Integer  
Value: [Spin Box] 4  
☒ Fixed Value ☐ Default Value  
Factory Default: [Spin Box] 1

Description Other Plants

In case of replacement / renewing of unique item(s):  
1 = If a work order exists for the wearer, with the same reason code and status 'New' then add to this work order, else create a new work order.  
2 = Always create a new work order.  
3 = If a work order exists for the wearer, with the same reason code and status 'New' that has not been printed yet, then add to this work order, else create a new work order.  
**4 = If a work order exists for the wearer and the same wearer inventory line, with the same reason code and status 'New' that has not been printed yet, then add to this work order, else create a new work order.**

Note: in case of product/size change always a new work order is created. Option 4 is supported as of v9.03.03

With this new option, a laundry can choose to have replacement work orders created separately by wearer inventory line.

This functionality works both for work orders created via the ABS client, as well as those created via the Android Route Assistant when garments are scanned for replacement.

This functionality can be useful for laundries where the stockroom workflow is segregated by type of garment – thus placing each separate type of garment (wearer inventory line) on a separate work order.

### 3.19 Wearer / generate work order: allow users to override the default grade

<b>ABS NUMBER</b>	ABS-79187
<b>PURPOSE</b>	Allow users to override the default garment grade when generating a new work order in the ABS client
<b>AFFECTED DIALOGUES</b>	Wearers
<b>SYSTEM SETTINGS</b>	ALLOWOVERRIDEDEFAULTGRADE
<b>MODULES</b>	

A new system setting has been introduced, ALLOWOVERRIDEDEFAULTGRADE, that when set, will allow users the option to adjust the requested grade on new work orders created via the ABS client.

When set, the Work Order Wizard will display a new optional selection box:

The screenshot shows the 'Work Order Wizard' dialog box. It contains various input fields for creating a work order, including Customer, Wearer, Processing Stockroom, Customer Reference Number, Work Order Reference #, Customer Order Date, Requested Delivery Date, Reason Code, Reason for Free of Charge, Priority, Start Rent, and Start Date Rent. Below these fields are several checkboxes: 'Direct Purchase Order', 'Delivery from Stock' (which is selected), 'Print Work Order(s)', 'Allow Phased Delivery', 'Express Order', and 'Create Separate Workorder Per Inventory'. At the bottom, there is a 'Special Grade' dropdown menu, which is highlighted with a red rectangle. Below this menu is a table with two columns: 'Code' and 'Description'. The table contains three rows: 'N' for 'New', 'S' for 'good for inventory adjustment', and 'G' for 'Used'.

Code	Description
N	New
S	good for inventory adjustment
G	Used

The user may then select from any available grade when creating the work order, and this special grade will become the requested grade on that individual work order. This selection is not mandatory – when left blank, the default grade will be filled as normal. This functionality is useful for those laundries which desire the option to create work orders from time to time with a different grade than the standard for that customer. For example, when replacing garments for a wearer that has had a lot of quality issues, the laundry may choose to insert grade New for this one time event to help with the customer relationship.

### 3.20 Repair Scan: Show Laundry Owned Goods/Customer Owned Goods (LOG/COG)

<b>ABS NUMBER</b>	ABS-81440
<b>BACKGROUND &amp; PURPOSE</b>	On customer level it possible to define the rules for repairs done on laundry owned and customer owned goods. Rules related to charging repairs but also if it is allowed to repair LOG / COG items. When recording repairs it was, however, not visible if the items is LOG or COG. By adding this attribute to the screen it becomes more transparent to the user.
<b>AFFECTED DIALOGUES</b>	Repair scan
<b>MODULES</b>	REPAIR RECORDING (REPA)
<b>SYSTEM SETTINGS</b>	-

Extra field for indicating if an items is LOG / COG has been added to the screen layout of the repair scan dialog in a similar way as already available in the Maintain Unique Item dialog.

Repair Scan

ID Code 20000576

Previous Scan:20000576

Customer 1000 | Elderyhome Amsterdam

Department 1111 | Department 1

Wearer 22 | piet peterse

Product HVLP1M1 | Overall Blue PK

Size / Fin.Method 03 | EES | H | Hanging

Details / Counter

☒ Customer Owned

Status In Circulation

Last Stay In Scan/Soiled Received

Since Jun 9, 2009 9:50:32 AM

Day Total 1

Repairs

Ins New

Del Delete

F2 Change

F9 History

F7 Variable Charges

Work Order

Type	Description	Minutes	Quantity
REP	Default Small Repair	5	1

Up

Down

Return Route22 Route Dinsdag Tuesday

F3 Put Flag

F4 Replace

F10 Done

ESC Cancel

F5 Picture

F6 Label

F8 Value

### 3.21 Checkpoint Scan: Show Delivery Lot Information and add stay code 'On Shelf.'

<b>ABS NUMBER</b>	ABS-82720
<b>PURPOSE</b>	Display Lot # for sorting, via the checkpoint scan dialog
<b>AFFECTED DIALOGUES</b>	Checkpoint scan
<b>SYSTEM SETTINGS</b>	
<b>MODULES</b>	GUARANTEED MINIMUM DELIVERY

In the checkpoint scan the delivery lot # will be shown, if a lot # does exist with status 'New' and the product is requested.

Customers [x] System Settings [x] Delivery Lot Monitor [x] Wearers [x] Outscan Delivery Lot [x] Checkpoint Scan [x] +

**Checkpoint Scan**

ID Code [ ]

Previous Scan: 726279PB1812414

Customer	1		Washes	0
Delivery Point	1	Zona de Entrega 1	Repairs	0
Department	1	Nave 1	In Use	8 Weeks
Consumption Point	1	Zona 1		
Wearer	812414		Statistics	
			Day Total	11

**Product Details**

Product	PB	PANTALON BLANCO	Timestamp	Transaction Type
Size/Fin. Method	34	34	Jul 9, 2019	Checkpoint Scan

**Other Details**

Last Stay		End of Contract	
Insurance	Not applicable		

**Lot Nr: 201928LUN 03 000000000001 1**

If the product is requested, but the delivered qty is exceeded or when the product is not requested, then the message 'Put on shelf' is given.

Customers [x] System Settings [x] Delivery Lot Monitor [x] Wearers [x] Outscan Delivery Lot [x] Checkpoint Scan [x] +

**Checkpoint Scan**

ID Code [ ]

Previous Scan: 844441YB14036

Customer	1		Washes	48
Delivery Point	1	Zona de Entrega 1	Repairs	0
Department	21	Nave 21	In Use	8 Weeks
Consumption Point	2	Zona 2		
Wearer	4036		Statistics	
			Day Total	14

**Product Details**

Product	YB	PLAYERA POLO BLANCA	Timestamp	Transaction Type
Size/Fin. Method	XG	XG	Jul 9, 2019	Checkpoint Scan

**Other Details**

Last Stay		End of Contract	
Insurance	Not applicable		

**Delivery Lot contains enough garments of this product type**

**Put on shelf**

<b>ABS NUMBER</b>	ABS-78288
<b>BACKGROUND &amp; PURPOSE</b>	Possible to receive and also send Garments with the shipment check scan module not only Linen items
<b>AFFECTED DIALOGUES</b>	Receive from Laundry and Send to Laundry
<b>SYSTEM SETTINGS</b>	-
<b>MODULES</b>	Shipment check scan

The screenshot displays a retail scanner interface. On the left, a receipt titled "Receive From Laundry" lists items: "Batch contents" (Count: 0), "Product" (Count: 0), "Size" (Count: 0), and "Quant..." (Count: 0). Below the receipt is a table with columns "Product", "Size", and "Quant...". The table contains several rows of data, including "Validated", "Approved", and "Rejected". The "Totals" row shows a count of 0 for each category.

On the right, a large status display shows the following information:

- Reader: OFF
- Tags: 0
- Status: IDLE
- Validated: 0%
- Approved: 0
- Rejected: 0

Below the status display is a table titled "Rejections" with columns "Reason" and "Quantity". The table is currently empty.

At the bottom of the screen, there are three buttons:

- F5 Start Scan (with a yellow arrow icon)
- F7 Stop/Receive (with a checkmark icon)
- Escape Stop/Reject (with an X icon)

### 3.23 Lost garment: Rental Reduction

ABS NUMBER	ABS-85512
PURPOSE	Rental Reduction Charge on lost garments gives the option to charge rent on a separate line for the same quantity of the lost charges. If loss charges are being credited off, this ensures the revenue continues as long as loss charges should be calculated but are credited off.
AFFECTED DIALOGUES	Maintain Invoices, Invoice Line Types
SYSTEM SETTINGS	RENTALCHARGEFORLOSTGRMT
MODULES	

Rental Reduction charge on lost garments gives the option to charge rent on a separate line for the same quantity of the lost charges. If loss charges are being credited off, this ensures the revenue continues as long as loss charges should be calculated but are credited off.

With the new system setting RENTALCHARGEFORLOSTGRMT the usage of rental reduction can be switched on. The rental reduction charges are calculated and presented on a separate invoice sub line type for rent called 'Rental charge for lost garments'.

The rental reduction charges are calculated also during the lost warning period.

### 3.24 Emblem template: Shop title option added

<b>ABS NUMBER</b>	ABS-71966
<b>BACKGROUND &amp; PURPOSE</b>	Add the option to define “shop titles” in the emblem template. New fields added into Emblem Templates for all emblem types Emblem Style Code to identify Emblem, Direct Embroidery or Screen Print Additional fields also include a “Customer Supplied” checkbox, and “Graphic Color” flag
<b>AFFECTED DIALOGUES</b>	Emblem templates Sizes colors
<b>SYSTEM SETTINGS</b>	DEFINEEMBLEMSTYLECODE EMBLEMCOLORANDSIZEFILTER EMBLEMFONTPLACEMENTOBL DEFAULTUSERDEFINEDEMBLEM
<b>MODULES</b>	-

New emblem option shop title:

**Add Emblem**

✓ Save and Exit ✗ Cancel ↑ First ↑ Previous ↓ Next ↓ Last

Customer: 23032 | OOR Customer2  
Template Code: 01 | 1233123

**Emblem Details** | Embroidery Info | Emblem Picture | Placement Picture

Type: ☐ Company ☐ Name ☐ Other/Not Defined ☒ **Title**

Definition: ☐ Predefined Product ☒ User Defined

☒ Only Custom Color ☒ Only Custom Size

Product: ?

Size/Shape: 0 | 0 Color: 25 | ROYAL BLUE

Fabric: 100 | 100% Cotton

Font: Block Upper Lower

Font Size: 20

Description: Supervisor

Description 2: Manager

Placement: LEFTCH | Left Chest Qty/Garment: 1

Attachment by: Local stockroom Price/Piece: [Redacted]

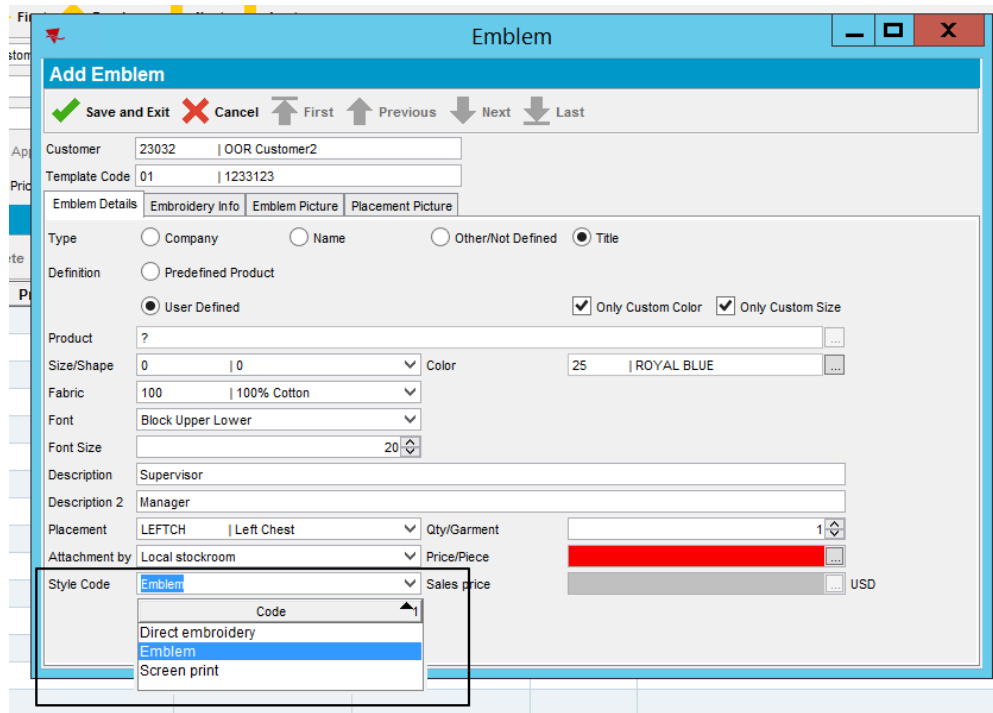
Style Code: Emblem Sales price: [Redacted] USD

☐ Customer Supplied

With the custom colour and custom size only colours and sizes can be selected which are marked as custom in the sizes screen or in the color screen.

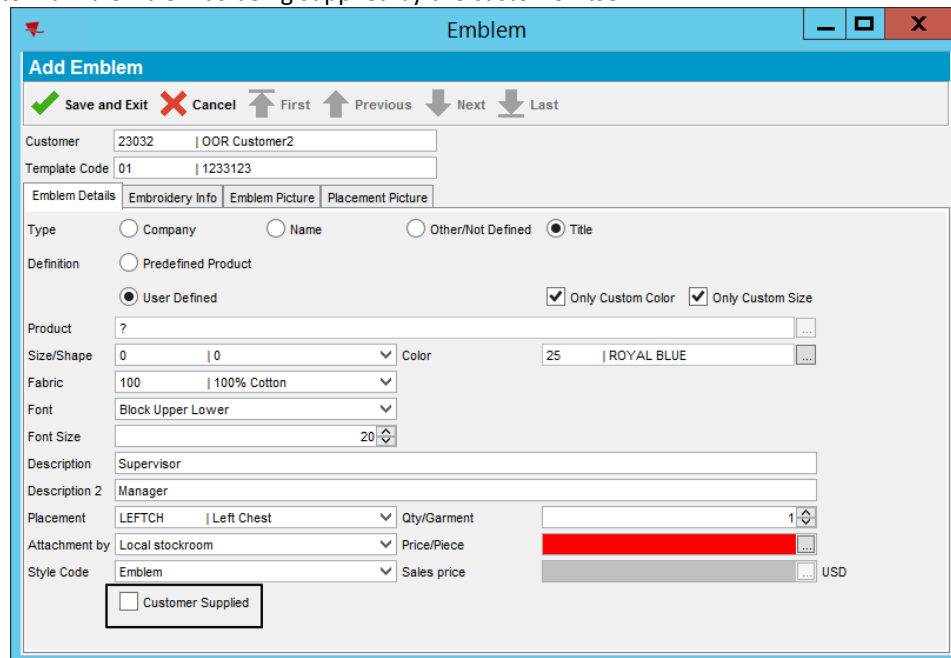
With the “shop title” option, you can define 2 descriptions.

1. New field style code in order to determine the style of emblem



The screenshot shows the 'Add Emblem' dialog box with the 'Emblem Details' tab selected. The 'Style Code' dropdown menu is open, showing the following options: 'Emblem', 'Direct embroidery', 'Emblem', and 'Screen print'. The 'Emblem' option is selected. The dialog box contains various fields for defining the emblem, including Customer, Template Code, Type, Definition, Product, Size/Shape, Color, Fabric, Font, Font Size, Description, Description 2, Placement, Attachment by, and Style Code. The 'Style Code' field is highlighted with a red box.

2. Option to mark a emblem as being supplied by the customer itself.



The screenshot shows the 'Add Emblem' dialog box with the 'Emblem Details' tab selected. The 'Customer Supplied' checkbox is checked. The dialog box contains various fields for defining the emblem, including Customer, Template Code, Type, Definition, Product, Size/Shape, Color, Fabric, Font, Font Size, Description, Description 2, Placement, Attachment by, and Style Code. The 'Customer Supplied' checkbox is highlighted with a red box.



### 3.25 Trade Sales Notes: Emblem definition for both existing and non-existing wearers

<b>ABS NUMBER</b>	ABS-86966
<b>PURPOSE</b>	Use pre-defined emblem templates setup for the customer to create personalized sales orders for both existing and non-existing wearer names via the sales note dialog. This functionality enables also an easier selection for emblem products and the usage of user defined emblems for sales.
<b>AFFECTED DIALOGUES</b>	Maintain Sales Notes
<b>SYSTEM SETTINGS</b>	
<b>MODULES</b>	TRADE

With this new development for Sales Notes it is now possible to use pre-defined emblem templates setup for the customer to add to a sales order line. It is also possible to add the wearer name to the emblem template for existing wearers and add wearer names for non-existing wearers.

On the sales order line, in the emblem template tab the “Add from Template” button has been added where the user can choose emblem templates as setup for the customer:

The screenshot shows the 'Sales Order Line' dialog box with the 'Emblems' tab selected. The 'Add from Template' button is highlighted with a red box. The dialog includes fields for Customer and Debtor, and a table for adding emblems.

Type	ProductCode	Size	Product Description	Description	Requested	Filled

When the “Add from template” buttons are used, a popup is shown where it is possible to choose which emblem template to use and which emblems should be attached to the sales order line:

Code	Description
	Name

Code	Description
------	-------------

On the emblem template line, the button “Wearer names” has been added to connect a wearer name to the emblem template, with the possibility to choose existing wearers or add a non-existing wearer name:

Customer: 2000000  
Consumption Point: 1  
Product: 010106

Emblem Details | Emblem Picture | Placement Picture

Type: ☐ Company ☒ Name ☐ Other/Not Defined ☐ Title  
Definition: ☐ Predefined Product ☒ User Defined  
Description:

Product Information  
Product: ?  
Size/Shape:   
Fabric: - | -  
Font: BRUSH SCRIPT UPP/LOW  
Background: 10 | RED  
Text:   
Border:

Placement Details  
Placement: RI | RIGHT/INNER  
Attachment by: Local stockroom  
**Wearer Names**

Ordering Information  
Qty Requested: 1  
Quantity Reserved: 0  
Issued Quantity: 0  
Quantity Cancelled: 0  
Quantity Outstanding: 1

Pricing  
Sales Price: 0.0000 USD  
Total Amount: 0.0000

The “Wearer Names” button will give a popup where wearer emblem names can be added to the emblem:

The screenshot shows a software window titled "Wearer Emblem Names". At the top left is a red star icon. Below the title bar is a blue header with the text "Wearer Emblem Names". Under the header is a grey bar containing a red "X" icon and the text "Exit". Below this is a text input field labeled "Customer" with the value "2000000". Another blue header bar contains the text "Wearer Emblem Names" on the left and "Count : 0" followed by a group of three people icons and a "Grid View All" dropdown menu on the right. Below this is a grey bar with several icons and labels: a green plus icon for "Add", a pencil icon for "Modify", a grey minus icon for "Delete", an orange grid icon for "Grid Views", and a printer icon for "Print". The main area of the window is a table with a header row labeled "Emblem name" and a small upward arrow icon. The table has several empty rows below the header.

The user can either search for a pre-defined wearer or manually add a new wearer emblem name:

The screenshot shows a software window titled "Add Wearer Emblem Name". At the top right are standard window control buttons: a minus sign, a square, and an "X". Below the title bar is a blue header with the text "Add Wearer Emblem Name". Under the header is a grey bar containing a checkmark icon and the text "Save and Exit", a red "X" icon and the text "Exit", and four arrow icons with labels: an upward arrow for "First", an upward arrow for "Previous", a downward arrow for "Next", and a downward arrow for "Last". Below this is a text input field labeled "Wearer" with a dropdown arrow icon to its right. At the bottom is a text input field labeled "Emblem name".

### 3.26 Garment Budget Protection: Ongoing Emblem Charges

<b>ABS NUMBER</b>	ABS-75841
<b>PURPOSE</b>	Budget protection option to invoice the customer budget protection price for garment emblem protection (GEP). It gives the option to set customers up for emblem protection to avoid the onetime charge that is invoiced when emblems are issued to wearers via work orders.
<b>AFFECTED DIALOGUES</b>	Customers, Contract, Consumption point, Product List per Customer
<b>SYSTEM SETTINGS</b>	BPGARMENTEMBLEMPROTECTION
<b>MODULES</b>	BUDGET PROTECTION, GARMENT TRACKING, INVOICING

Garment emblem protection (GEP) is a new type of Budget Protection that affects the one-time cost of emblems. When this protection is activated, the emblem charges set up in the Emblem Template will not bill a one-time charge for the emblems on the first delivery. This protection functionality will begin to bill the wearer on a per piece price for the total number of garment products issued and in circulation.

GEP is available in the following dialogs:

- Customers
- Product List per Customer
- Consumption point
- Contract

The screenshot shows the 'Inquiry Customers' dialog with the 'Garment Charges' tab selected. A sub-dialog titled 'Customer Budget Protection' is open, displaying the 'Budget Protection' section. In this section, the 'Garment Emblem Protection' checkbox is checked and highlighted with a red rectangular box. Other options like 'Material Maintenance Protection', 'Garment Setup Protection', 'Garment Maintenance Protection', 'Garment Loss Protection', 'Garment Repair Protection', and 'Merchandise Buyout Protection' are listed but not checked. The 'Budget Protection' checkbox itself is also checked. The background dialog shows customer information for 'ABE Test' and various charge settings.

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### 3.27 Garment Emblem Protection: Charges based on emblem template connected to PLPC

<b>ABS NUMBER</b>	ABS-88323
<b>PURPOSE</b>	Charge Garment Emblem Protection for wearers with no emblem template connected based on Product List Per Customer setting or always charging.
<b>AFFECTED DIALOGUES</b>	
<b>SYSTEM SETTINGS</b>	GEPCHARGELEVEL
<b>MODULES</b>	

With this new development it is possible to charge Garment Emblem Protection (GEP) in three ways:

- based on wearer inventory with an emblem template connected
- based on the emblem template connected to the product in Product List Per Customer
- charge with no check on wearer emblem template or Product list per customer

This will provide a more flexible way of invoicing Garment Emblem Protection where the system is no longer dependent on the emblem template that is attached to the wearer inventory line except when that level is chosen.

A new system setting GEPCHARGELEVEL has been created to determine on which level the invoicing should be based.

### 3.28 Garment Budget Protection: system settings to control default at customer and contract level

ABS NUMBER	ABS-85342
PURPOSE	Allow laundries to set the default insurance programs that they want as standard when adding new customers or contracts
AFFECTED DIALOGUES	Customers, Contract
SYSTEM SETTINGS	BUDGETPROTECTIONDEFAULT, DEFAULTMMPPPERCENTAGE
MODULES	Budget Protection

For the Budget Protection insurance module, two new system settings have been created to allow the laundry to set defaults for which protection programs will be selected when a new Customer or Contract record is added.

Important to note – these settings are only overrule able defaults which are used in ADD mode for the Customer and Contract dialogs only, there is no fixed setting enforcement at any level.

Based on this setting, the values at the Customer level will default in when adding a new record:

The screenshot shows a software interface for 'Inquiry Customers'. A sub-dialog titled 'Customer Budget Protection' is open. It features a 'Budget Protection' section with a checked checkbox. Below this, several other checkboxes are visible: 'Material Maintenance Protection' (checked), 'Garment Setup Protection' (unchecked), 'Garment Maintenance Protection' (checked), 'Garment Loss Protection' (unchecked), 'Garment Repair Protection' (checked), and 'Garment Emblem Protection' (unchecked). A text field next to 'Garment Loss Protection' shows '0.0 % Discount'. On the left side of the main dialog, under 'Garment Charges', there are checkboxes for 'Restocking Fee' (unchecked), 'Stock Charge' (unchecked), and 'Use Product/Size Su' (checked). The top of the dialog has 'Save' and 'Cancel' buttons, and the sub-dialog has 'Save and Exit' and 'Cancel' buttons.

The screenshot shows a 'System setting' window with a title bar containing a red icon, a minus button, a maximize button, and a close button. Below the title bar is a blue header bar with the text 'Modify System setting'. Underneath the header bar is a toolbar with icons for 'Save and Exit' (a green checkmark), 'Exit' (a red X), 'First' (a yellow arrow pointing up), 'Previous' (a yellow arrow pointing up), 'Next' (a yellow arrow pointing down), and 'Last' (a yellow arrow pointing down). The main area of the window contains the following fields: 'Plant' (a text box), 'Setting Group' (a dropdown menu showing 'Customer Screen Settings'), 'Name' (a text box showing 'DEFAULTMMPPERCENTAGE'), 'Type' (a dropdown menu showing 'Float'), 'Value' (a text box showing '2.00'), 'Fixed Value' (a radio button that is selected), 'Default Value' (a radio button that is not selected), and 'Factory Default' (a text box showing '0'). Below these fields is a 'Description' section with a tab labeled 'Other Plants'. The description text reads: 'When Budget Protection is used, then this setting can be used to define a default MMP (Material Maintenance Protection) percentage that will be used when creating a contract, customer or product that is eligible for MMP. This setting is only relevant when Budget Protection is in the license.'

Based on this setting, the Material Maintenance Protection (MMP) percentage will be defaulted in at the Customer Budget Protection screen as well.

The same defaults are used at the Contract Component level as well:

The screenshot shows a 'Contract Components' window with a title bar containing a red icon, a minus button, a maximize button, and a close button. Below the title bar is a blue header bar with the text 'Contract Components' and a user ID 'BAN12'. Underneath the header bar is a toolbar with icons for 'Save' (a green checkmark) and 'Exit' (a red X). The main area of the window is divided into two panes. The left pane is a tree view showing a hierarchy of settings: 'Product Settings' (with a green lightbulb icon), 'Charges' (with a green lightbulb icon), 'Settings' (with a green lightbulb icon), 'Emblem Templates' (with a minus icon), 'Wearer Functions' (with a minus icon), 'Invoicing' (with a green lightbulb icon), 'Payment' (with a green lightbulb icon), 'Miscellaneous' (with a green lightbulb icon), 'Products' (with a green lightbulb icon), and 'Quantity Control' (with a green lightbulb icon). The right pane is titled 'Modify Charges' and contains an 'Apply' button. Below the 'Apply' button are two sections: 'Emblem, Label and Prep Charges' and 'Garment Charges'. The 'Emblem, Label and Prep Charges' section has a checkbox for 'General Prep Charge'. The 'Garment Charges' section has a checkbox for 'Custom Garment Charge' and a checked checkbox for 'Size Surcharge Pricing'. Below these checkboxes are several other options: 'Rent Spec.' (a dropdown menu showing '1'), 'Products per' (a text box), 'Repair Rented' (a checkbox), 'Allow' (a checkbox), 'Charge' (a checkbox), 'Repair COG' (a checkbox), 'Allow' (a checkbox), 'Charge' (a checkbox), 'Charge Residual Value' (a checkbox), and 'Charge Loss' (a checkbox). At the bottom of the 'Modify Charges' pane is a 'Budget Protection' section with a green lightbulb icon and the text 'MMP, GMP, GRP'. Overlaid on the bottom right of the 'Contract Components' window is a 'Contract Budget Protection' dialog box. The dialog box has a title bar with a red icon and a close button. Below the title bar is a toolbar with icons for 'Save and Exit' (a green checkmark) and 'Cancel' (a red X). The main area of the dialog box contains a 'Budget Protection' section with a checked checkbox. Below this section are several other options: 'Material Maintenance Protection' (a checked checkbox), 'Garment Setup Protection' (a checkbox), 'Garment Maintenance Protection' (a checked checkbox), 'Garment Loss Protection' (a checkbox), 'Garment Repair Protection' (a checked checkbox), and 'Garment Emblem Protection' (a checkbox). The 'Garment Loss Protection' checkbox has a text box next to it showing '0.0' and the text '% Discount'.

### 3.29 Garment Budget Protection: Turnover groups available on the subtypes in the invoice lines

ABS NUMBER	ABS-87765
PURPOSE	Option to set specific turnover groups for all budget protection invoice line subtypes. In this way a turnover group per budget protection category can be defined.
AFFECTED DIALOGUES	Invoice line types
SYSTEM SETTINGS	-
MODULES	-

In invoice line types, all budget protection sub line types have the option to define a specific turnover group per sub line type.

**Modify Invoice Line Type**

Save and Exit Exit First Previous Next Last

Type: 11

Factory Description: Garment Insurance

Description: Garment Insurance

☐ Include in Minimum Invoice Amount Calculation

Tax Group: 01 | Tax group 01

Turnover Group: 1000.0000 | Turnover Group 01

Suppress Printing: ☒ Never ☐ Only when Quantity is Zero ☐ Always when Amount is Zero

Tax Type: ☐ Not applicable ☒ Sales ☐ Rent ☐ Miscellaneous

☒ Include PO Check

Special Charges Sub Type

Count: 15 Grid View All

Factory Description	Description	System...	Time...	Turnover ...
Garment Emblem Protection (GEP)	Garment Emblem Protection (GEP)	STO	Aug 12, ...	2167AA
Garment Insurance for Loss	Garment Insurance for Loss	STO	Aug 12, ...	2159AA
Garment Insurance for Loss and Residual Value	Garment Insurance for Loss and Residual Value	STO	Aug 12, ...	2159AA
Garment Insurance for Loss, Repair and Residual Value	Garment Insurance for Loss, Repair and Residual Value	STO	Aug 12, ...	2159AA
Garment Insurance for Repair	Garment Insurance for Repair	STO	Aug 12, ...	2159AA
Garment Insurance for Repair and Loss	Garment Insurance for Repair and Loss	STO	Aug 12, ...	2159AA
Garment Insurance for Repair and Residual Value	Garment Insurance for Repair and Residual Value	STO	Aug 12, ...	2159AA
Garment Insurance for Residual Value	Garment Insurance for Residual Value	STO	Aug 12, ...	2159AA
Garment Loss Protection (GLP)	Garment Loss Protection (GLP)	STO	Aug 12, ...	2159AA
Garment Maintenance Protection (GMP)	Garment Maintenance Protection (GMP)	STO	Aug 12, ...	2159AA
Garment Repair Protection (GRP)	Garment Repair Protection (GRP)	STO	Aug 12, ...	2159AA
Garment Setup Protection (GSP)	Garment Setup Protection (GSP)	STO	Aug 12, ...	2159AA
Insurance Price per Product	Insurance Price per Product	STO	Aug 12, ...	2159AA
Material Maintenance Protection (MMP)	Material Maintenance Protection (MMP)	STO	Aug 12, ...	2159AA
Merchandise Buyout Protection (MBYOP)	Merchandise Buyout Protection (MBYOP)	STO	Aug 12, ...	2159AA

**Modify Invoice Line Sub Type**

Save and Exit Exit First Previous Next Last

Factory Description: Garment insurance for Loss

Description: Garment insurance for Loss

☒ Turnovergroup

☐ Specific Tax Group



### 3.30 Garment Budget Protection: Material Maintenance Protection (MMP) default percentage

ABS NUMBER	ABS-87222
PURPOSE	Extend the Budget Protection module to allow laundries to set the default MMP percentage at the Product level, and carry that default to all Product List Per Customer and Contract Product records
AFFECTED DIALOGUES	Products, Product List Per Customer, Contract
SYSTEM SETTINGS	DEFAULTMMPPERCENTAGE
MODULES	Enhanced MMP Budget Protection

For the Budget Protection insurance module, a new extended module has been introduced which allows the laundry to set the default percentage for MMP insurance globally at the Product level.

The setting DEFAULTMMPPERCENTAGE is used as the default to populate the Product level setting:

The screenshot shows the 'Products' dialog box with the 'System Settings' tab selected. The 'Inquiry Products' section is active, showing a green checkmark for 'Save' and a red X for 'Cancel'. The 'Code' field contains 'MM3X8ZZ' and the 'Active' checkbox is checked. The 'Description' field contains 'ban mat 2'. The 'Special' tab is selected, showing 'Min Qty To Deliver' and 'Max Qty To Deliver' both set to 0. The 'Material Maintenance Protection' checkbox is checked, and the percentage is set to 17.7% (Default Percentage). The 'Direct Deliver/Bill Relationship' and 'Custom Garment Charge' checkboxes are unchecked.

This percentage at the Product level can then be overridden if desired.

When a new Product List Per Customer record is created for this product, if the customer has MMP protection set, then this percentage will default in from the Product level:

The screenshot shows the 'Product List Per Customer' form. The 'Customer' field is '658' and 'Customer\_ATE'. The 'Product/Model' is 'MM3X8ZZ' and 'BAN MAT 2'. The 'Start Date' is '09/18/2019'. The 'Billing' tab is selected, showing 'Billing Method' as '1) Flat Rated Rent'. A 'Budget Protection' dialog box is open, showing 'Material Maintenance Protection' checked, 'Specific %' as '17.7' (highlighted with a red box), and '% Charging Rate' as '0.000'.

The same default is also used at the Contract Product level:

The screenshot shows the 'Contract Product' form. The 'Modify Budget Protection' dialog box is open, showing 'Material Maintenance Protection' checked, 'Specific %' as '17.7' (highlighted with a red box), and '% Charging Rate' as '0.000'.

This default can be overridden at the Product List Per Customer or Contract Product level if so desired.

The benefit of this enhancement is to allow the laundry to have a standardized percentage for MMP protection at the Product level, which can differ by individual product code.

### 3.31 MBYO: Reason code for replacement to charge Merchandise Buy Out Yes or No

ABS NUMBER	ABS-88400
PURPOSE	Configure reason code for replacement to charge MBYO Yes or No and adjust the MBYO record creation based on this setting for replacement orders.
AFFECTED DIALOGUES	Reason Code, Route Status Control (Generate Direct Invoices)
SYSTEM SETTINGS	
MODULES	MERCHANDISEBUYOUTCHARGE

With the module Merchandise buy out charge, the reason codes can now be configured to charge MBYO or not when the reason code trigger is 'replacement'. In the reason code dialog a 'Charge MBYO' check box is available when the reason code is set for replacement.

**Modify Reason code**

✓ Save and Exit ✗ Exit ⬆ First ⬆ Previous ⬇ Next ⬇ Last

Code: C ☒ Export To Hand Held Reason Group:   
Description: Change as needed CAN Sort Address:   
Inventory Adjustment Reason Billing Adjustment Reason Dialogs Default Stockrooms per Business Unit

**Inventory Adjustment Reason**

☒ Reason for Inventory Adjustment

Selectable ☐ For Non Garments ☐ OR Packs   
☒ For Garments

Triggers ☐ None of the mechanisms mentioned below   
Garment Ordering: ☐ Free Extra Inventory   
☒ Replacement   
☐ Automatic Sales during Issue

Settlement ☐ Direct Inventory Adjustment   
☐ Future Inventory Adjustment   
☐ Temporary Inventory Adjustment(Loan)   
☐ Order without Inventory Adjustment   
☐ Flat Rate Adjustment

Reason For ☐ First Issue ☐ Charge Residual Value ☐ Multi Read Rewash   
☒ Charging Make up/Preparation Costs ☐ Charging Restocking Fee ☒ Charging Special Size Charge   
☐ Make Customer Owned Unique Item ☐ Rag/Make Customer Owned Loss Charged Items ☐ Driver Sales   
☐ Default for Labeling ☐ Selectable in Web Application ☐ Charge MBYO   
☐ Default for Undo Stock Reception from PO ☒ Charge Emblem   
☐ Default for Receive Items from SDO Push ☐ Cancel OR Packs in Delivery Note screen   
☐ Phase In / Out Products

During the invoice generation no MBYO will be charged for garments marked with a replacement reason code set not to charge MBYO.

### 3.32 Web Portal Garment Services: Allow scan of Secondary ID

<b>ABS NUMBER</b>	ABS-75586
<b>PURPOSE</b>	With the introduction of UHF as primary ID it will now be possible to use the visible barcode (secondary ID) as a search option.
<b>AFFECTED DIALOGUES</b>	WEB Garments
<b>SYSTEM SETTINGS</b>	
<b>MODULES</b>	-

With this new feature the search option on the web portal for garments has been greatly enhanced.

As the UHF tags are becoming more and more used as the primary ID not every customer has a UHF reader on site. The barcode however will always be visible, used as secondary ID.

Now implemented is the functionality to allow the search on this secondary ID via the web portal.

The screenshot displays the ABS web portal interface for searching garments. At the top, the ABS logo is visible on the left, and the user's name 'JOV' is on the right. Below the header, there is a 'Garments' section with a search bar. The search bar has a dropdown menu set to 'ID Code', a search operator dropdown set to 'Is equal to', and a text input field containing '1234567'. A green 'Find' button is to the right of the input field. Below the search bar, a table of results is shown. The table has columns for 'ID Code', 'Secondary ID', 'Product Size', 'Wearer Name', 'Flag', 'Last Scan Date', and 'Set Seq#'. The first row of data shows '1346108344' for ID Code, '1234567' for Secondary ID, and other details.

ID Code	Secondary ID	Product Size	Wearer Name	Flag	Last Scan Date	Set Seq#
1346108344	1234567		WXYZPEKHLPNYL		07/18/2016	3

This also allows customer to more easily search for and connect possible repair requests on the garments.

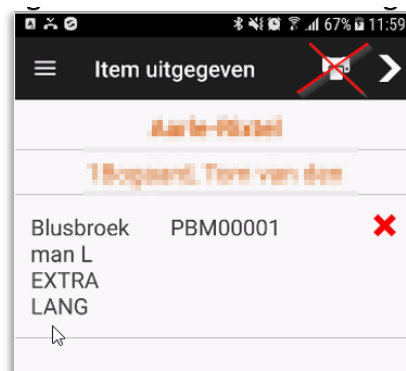
### 3.33 Item Dispense App: Various improvements

<b>ABS NUMBER</b>	IDA-97
<b>PURPOSE</b>	Improve functionality of Android Dispense App.
<b>AFFECTED DIALOGUES</b>	-
<b>SYSTEM SETTINGS</b>	SETTINGSPASSWORDIDA
<b>MODULES</b>	IITEM DISPENSE

Within this development multiple improvements have been created in order to enhance the Item Dispense App for Android.

Included in the development:

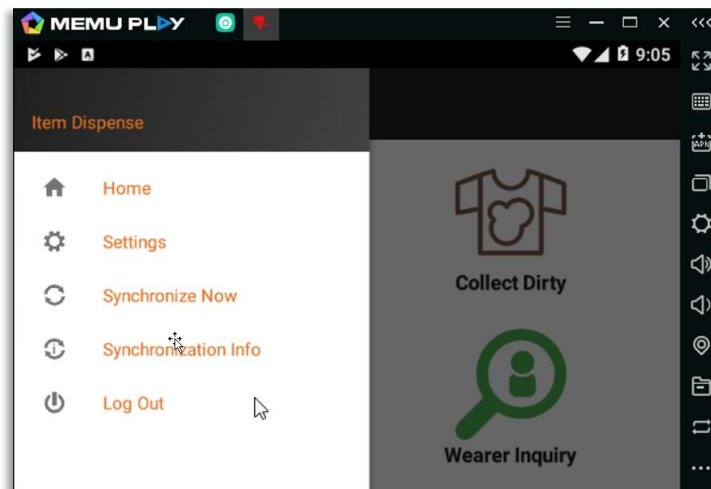
- 1) Items on the Item Dispense App are now visible in the order of the packing sequence which is set on product level in the ABSSolute application. First packing sequence, then alphabetical order
- 2) Inactive products are now suppressed and no longer visible on the App.  
This is the case for both product level (active/inactive) and Product List Per Customer level (end date)
- 3) The flow for printing labels has been improved, the print label button has been removed and is part of the flow of assigning the garment. This makes it less error sensitive in not printing the label.



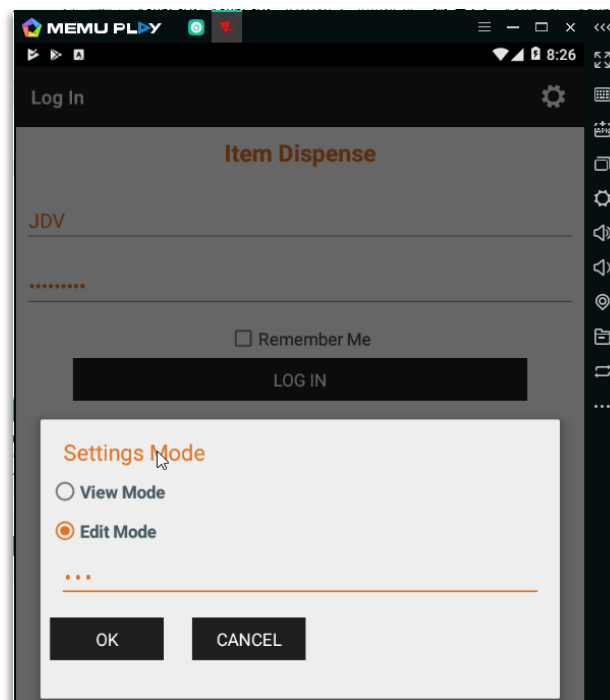
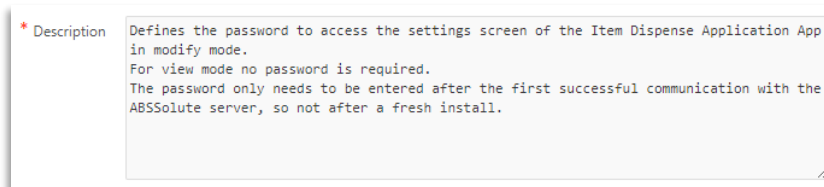
When the item is assigned a question will be asked:

Is the label printed correctly? Yes / No / Cancel

- 4) A "Home" has been added to the menu:

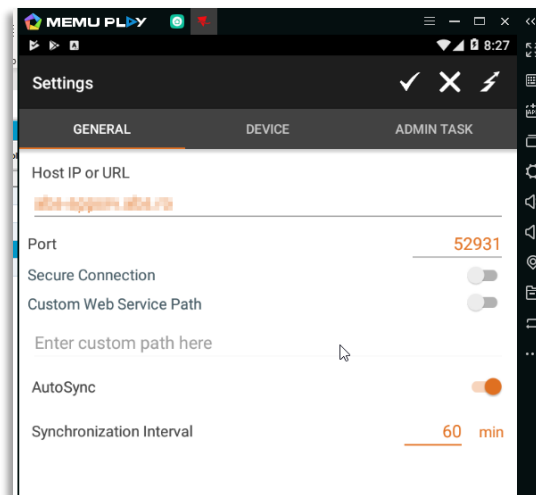


- 5) The settings menu is now protected by a password.  
Within the new system setting "SETTINGSPASSWORDIDA" a password can be enabled to prevent the user from entering the settings menu.



- 6) It is now possible to scan barcodes with the camera of the phone / tablet.  
In case the UHF RFID reader is out, as a back-up the camera phone can be used.

- 7) The automatic sync has been modified to be able to be set to minutes instead of hours.



- 8) The details of an unique item has been redesigned



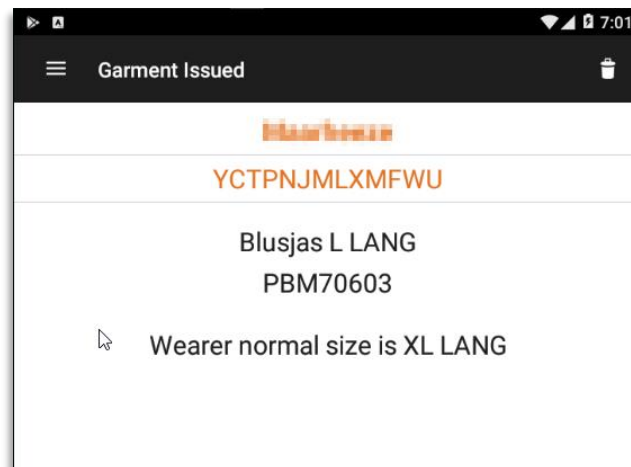
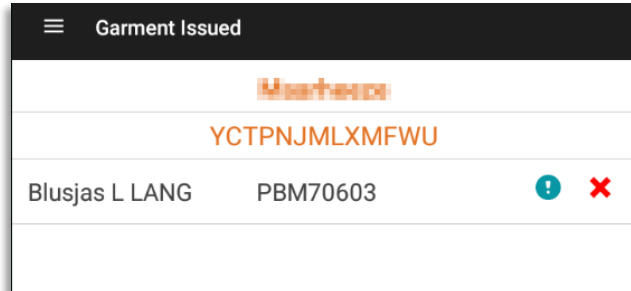
- 9) The Issue Garments button has been redesigned in order to be better visible as a button to be used.



The full button is now available for use.

10) The exclamation mark logo is now an actual button

This button will lead to the correct page.





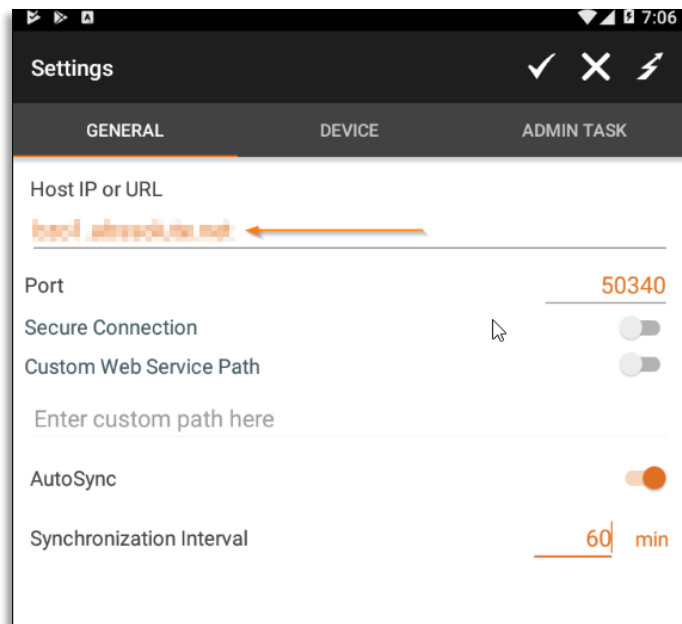
### 3.34 Item Dispense App: Predefine settings

ABS NUMBER	IDA-96
PURPOSE	Easier installation of Item Dispense App
AFFECTED DIALOGUES	-
SYSTEM SETTINGS	-
MODULES	ITEM DISPENSE

Because the Item Dispense App should be installed on many devices, the installation process has been made easier.

The connection details can be pre-loaded with the installation. This saves time to setup each mobile Item Dispense App

Please be aware this only counts with a clean installation. When updating the App the original settings will be kept.



### 3.35 Item Dispense App: Historical overview of flags

ABS NUMBER	IDA-111
PURPOSE	Provide overview of historical flags on unique id's
AFFECTED DIALOGUES	Report Flag History
SYSTEM SETTINGS	IDASOILEDFLAGREQUIRED
MODULES	ITEM DISPENSE APP

With this development it has been made possible to see historical flags on unique item level.

A new system setting has been introduced in order to make the small alteration to the existing flow possible => IDASOILEDFLAGREQUIRED

The screenshot shows a software window titled 'Systeeminstelling' (System Settings) with a standard Windows-style title bar. Inside, there's a sub-header 'Wijzigen Systeeminstelling' (Change System Setting). Below this is a navigation bar with icons and labels: a green checkmark for 'Opslaan en sluiten' (Save and close), a red X for 'Annuleer' (Cancel), and four yellow arrows for 'Eerste' (First), 'Vorige' (Previous), 'Volgende' (Next), and 'Laatste' (Last). The main area contains fields for 'Vestiging' (1), 'Instel groep' (General), 'Naam' (IDASOILEDFLAGREQUIRED), 'Type' (Geheel getal), 'Waarde' (1), and 'Standaardwaarde' (0). There are radio buttons for 'Vaste waarde' (selected) and 'Standaardwaarde'. A large text area at the bottom contains a description: 'This defines if adding a flag for all soiled garments scanned on the item dispense app is mandatory. 0 = on pressing > after scanning, the scanning screen is closed. 1 = on pressing > after scanning, the flag all garments screen appears and choosing at least one flag is mandatory. NOTE: These mandatory "after scanning" flags are used as a history and not set on the unique item unless a repair flag is chosen'.

When a garment is scanned as being soiled received, a selection based on a flag is now mandatory. After synchronization the flag (when this is NOT a repair flag) is removed and placed in the history table of the unique ID. Next to this a new report has been created that will provide an overview of these historical flag per unique ID.

### 3.36 Item Dispense App: Various reports

<b>ABS NUMBER</b>	ABS-61119
<b>PURPOSE</b>	The goal of the new Reports is to pull any data out of the IDA-app in existing reports. Some simple data generated via the IDA needs to become visible in ABSSolute
<b>AFFECTED DIALOGUES</b>	Report Garments / Wearer, Report Unique ID's per flag, Report Unique Pool items
<b>SYSTEM SETTINGS</b>	
<b>MODULES</b>	ITEM DISPENSE APP

In the following report the secondary ID is shown:

- Report Garments per Wearer
- Report Unique ID's per flag
- Report Unique Pool Items

### 3.37 Touchscreen Packing: Support UHF RFID container scans

ABS NUMBER	ABS-72578
PURPOSE	Use the Container Module and UHF RFID with the Touch Screen Packing dialog
AFFECTED DIALOGUES	Touch Screen Pack
SYSTEM SETTINGS	
MODULES	Container Module, UHF Reader

Based on the transport article in the consumption point you set up how you would like to deliver the goods:

- 1) Bulk Container Laundry bag
- 2) Customer Specific Container

When the clean stack is arriving in “Touch Screen Pack” dialog to be put on the delivery note, the system will check which transport article is set up. If a customer is set up to be delivered in a Laundry bag, you will not receive a pop-up dialog to assign a container to this customer/delivery note.

When the customer is set up to be delivered in a container you receive a pop-up dialog to scan the UHF RFID container ID so that the container will be linked to this customer

This way you can track and trace containers and see where the containers are based on the container reports and or Business Intelligence reports. When the container comes back to the laundry it will be scanned in and this will disconnect the customer from the container.

This way you can track and trace containers and see where the containers are located on the container reports and/or BI reports. When the container comes back to the laundry it will be scant in, and this will disconnect the customer-identifier from the container.

### 3.38 Batch Delivery Note: Suspended and replaced by Garment Delivery Note

<b>ABS NUMBER</b>	ABS-73444
<b>PURPOSE</b>	The old dialog is no longer available
<b>AFFECTED DIALOGUES</b>	Batch Delivery Note
<b>SYSTEM SETTINGS</b>	-
<b>MODULES</b>	GARMENT RECORDING

With version 9.03.00 of ABSSolute the new “Garment Delivery Note” dialog was introduced, as a replacement for the Batch Delivery Note.

With the release of version 9.04.00 the old Batch Delivery Note dialog is suspended and no longer available.

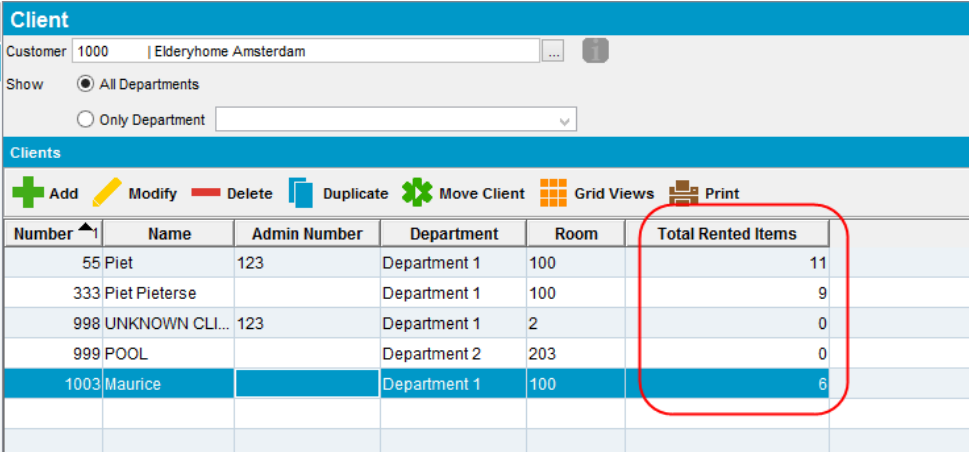
## 4 RESIDENTIAL SERVICES

This section contains the main Residential improvements to ABSSolute.

### 4.1 Client: Show rented quantities in grid

<b>ABS NUMBER</b>	ABS-74073
<b>BACKGROUND &amp; PURPOSE</b>	Easier way to see what clients do have rented quantities
<b>AFFECTED DIALOGUES</b>	Client
<b>SYSTEM SETTINGS</b>	-
<b>MODULES</b>	-

For customers with a lot of clients it was not easy to see in a quick way what clients do have rented quantities. In the client grid a new column can be added to show the total number of rented items for a client. To see details (quantities per product) you need to open the client but this already gives an indication if a client has rent or not.



Number	Name	Admin Number	Department	Room	Total Rented Items
55	Piet	123	Department 1	100	11
333	Piet Pieterse		Department 1	100	9
998	UNKNOWN CLI...	123	Department 1	2	0
999	POOL		Department 2	203	0
1003	Maurice		Department 1	100	6

### 4.2 Web Portal Residential Service: Remove BSN (Dutch social security number)

<b>ABS JIRA NUMBER(S)</b>	ABS-79422
<b>BACKGROUND &amp; PURPOSE</b>	To comply with the latest GDPR regulations the BSN number must be removed from the residential web portal
<b>MODULE(S)</b>	RESIDENTIAL WEB
<b>SYSTEM SETTING(S)</b>	-

To comply with the latest GDPR regulations the (Dutch) BSN number must be removed from the residential web portal.

#### 4.3 Web Portal Residential Service: Option to hide soil scan information web user dependent

<b>ABS NUMBER</b>	ABS-82058
<b>PURPOSE</b>	To hide information about soil scans towards the customer web-user. (Hide columns)
<b>AFFECTED DIALOGUES</b>	Web user; Web Application for residential (Client - Scan history)
<b>SYSTEM SETTINGS</b>	NEWWEBAPPLICATION = 'Y'
<b>MODULES</b>	PWB INTERNET

The goal of this software change is to create the possibility to hide some information's towards the customer user (Show column inscan date). The level for the definition for the hide criteria should be on 'level WebUser' defined in ABSSolute.

New setting on level Web User:

**Modify WebUser**

✓ Save and Exit ✗ Exit ↑ First ↑ Previous ↓ Next ↓ Last

Login name

E-mail Address

☒ Active ☐ Read-only

☐ Advanced Report Preview

Plant

Language  EN\_US English (United States)

Customers Menu Access

Custom Information Message Password Show on web App Settings

**Show on web (including reports)**

☐ Free of charge property ☐ Number of washes this issue

☐ Garment grade ☐ Number of washes total

☐ Last issue date ☐ Weeks in use current issue

☐ Number of repairs this issue ☐ Weeks in use total

☐ Number of repairs total ☐ Current garment stay

☐ Number of rewashes this issue ☐ Product description Only

☐ Number of rewashes total ☐ Allow Sales

**Show on web (including reports) for Residential Services Web Portal**

☐ Selection/display of inscan date



The Show Last Inscan Date checkbox should NOT be visible on the Report Residential Items per Client  
-> Options section if Webuser.ShowResidentaoInscandate = 'N'

The screenshot shows the ABS web application interface. The top navigation bar includes the ABS logo and a search bar. Below the navigation bar, there are tabs for various reports and dialogs. The main content area is titled 'Report Residential Items per Client'. On the left, there is a sidebar with sections for Filters, Grouping & Sorting, and Options. The Filters section includes fields for Department, Product, Finishing Method, Stay, and Flag, each with a dropdown menu. The Grouping & Sorting section includes a field for Last Scanned Before and a dropdown for ID Code level without Flags. The Options section includes checkboxes for Show Last Inscan Date, Page Break per Client, and Print Selections. A red box highlights the 'Show Last Inscan Date' checkbox, and a red arrow points to it.

In this case, is it not possible for a web user to see the column 'inscan date' in this web report.

#### 4.4 Touchscreen Soil & Clean: Extended client search

<b>ABS NUMBER</b>	ABS-59276
<b>BACKGROUND &amp; PURPOSE</b>	More options to search a client
<b>AFFECTED DIALOGUES</b>	Soil Receive / Outscan residential (touch screen)
<b>SYSTEM SETTINGS</b>	-
<b>MODULES</b>	-

Before it was only possible to search on client full name.

Now with the new ▷ button users can change where to search on. Search can be done on :

- Full Name
- Search name
- First Name
- Department
- Room
- Client Number

Soil Receiving - Version 9.03.02.RC1

Find Client

Number	Search Name	Full Name	First Name	Department	Room
55	PIET	Piet		Department 1	100
333	PIETERSE	Piet Pieterse		Department 1	100
1003	MAURICE	Maurice		Department 1	100

▷

Room

X... Starts With

..X... Contains

10

A	B	C	D	E	F	G	H	I	J
K	L	M	N	O	P	Q	R	S	T
U	V	W	X	Y	Z	Space	<-		
1	2	3	4	5	6	7	8	9	0

Pg Up

Up

Down

Pg Dn

Find

Sort

Abort

Select

#### 4.5 Touchscreen Soil & Clean: Message when adding new customer to residential batch

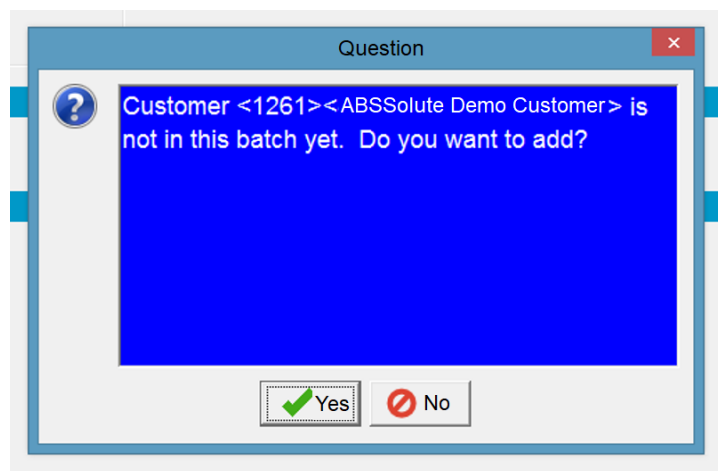
<b>ABS NUMBER</b>	ABS-94532
<b>PURPOSE</b>	Prevent automatic adding every customer in a batch
<b>AFFECTED DIALOGUES</b>	Inscan / Outscan residential
<b>SYSTEM SETTINGS</b>	CHECKONNEWCUSOMERINBATCH
<b>MODULES</b>	RESIDENTIAL

Until now when a residential batch was not specific for one customer, every customer could be added in that batch automatically. Especially during out scan, when a 'wrong item' (other customer) was scanned this was added without a message.

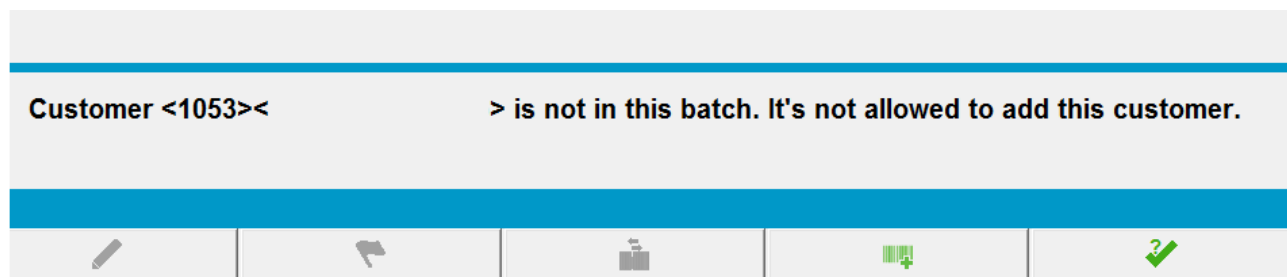
With the new system setting "CHECKONNEWCUSOMERINBATCH" this has been changed. This gives as result:

- During Inscan: The user has to confirm to add the new customer in a batch, via a question.
- During Outscan: This informs the user it is not allowed to add the new customer in a batch.

##### ***Inscan:***



##### ***Outscan:***



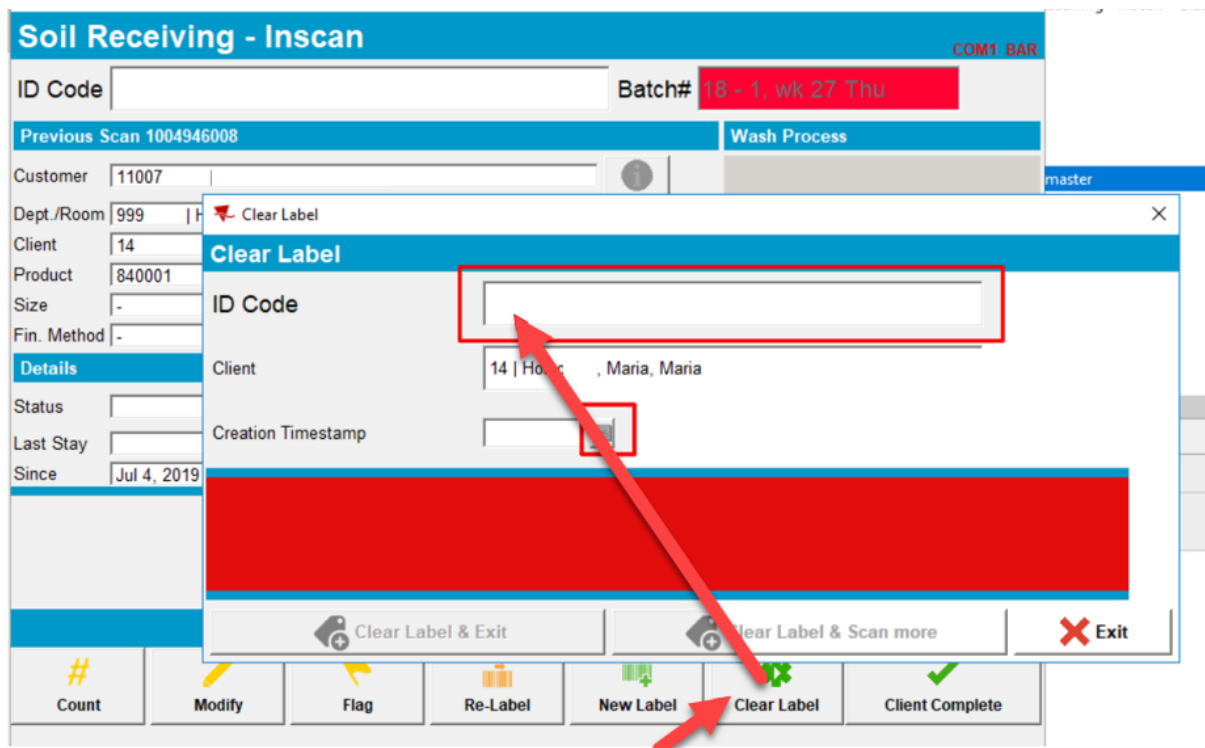
#### 4.6 Soil scan residential items: Clear labels improvement

ABS NUMBER	ABS-82001
PURPOSE	In case a user was creating a new Barcode by mistake, the possibility for an easy correction/Deletion exists now.
AFFECTED DIALOGUES	Soil Receiving (Touch Screen)
SYSTEM SETTINGS	CLEARLABELATSOIL
MODULES	PWB BASIS

When by mistake a new label is made, a new button can be pressed to delete this new barcode.

If the system setting is set to 1, the new extra button is available/shown 'Clear Label.'

After pressing this new button, a new small window will be opened, and the user can scan the barcode which he wants to delete.



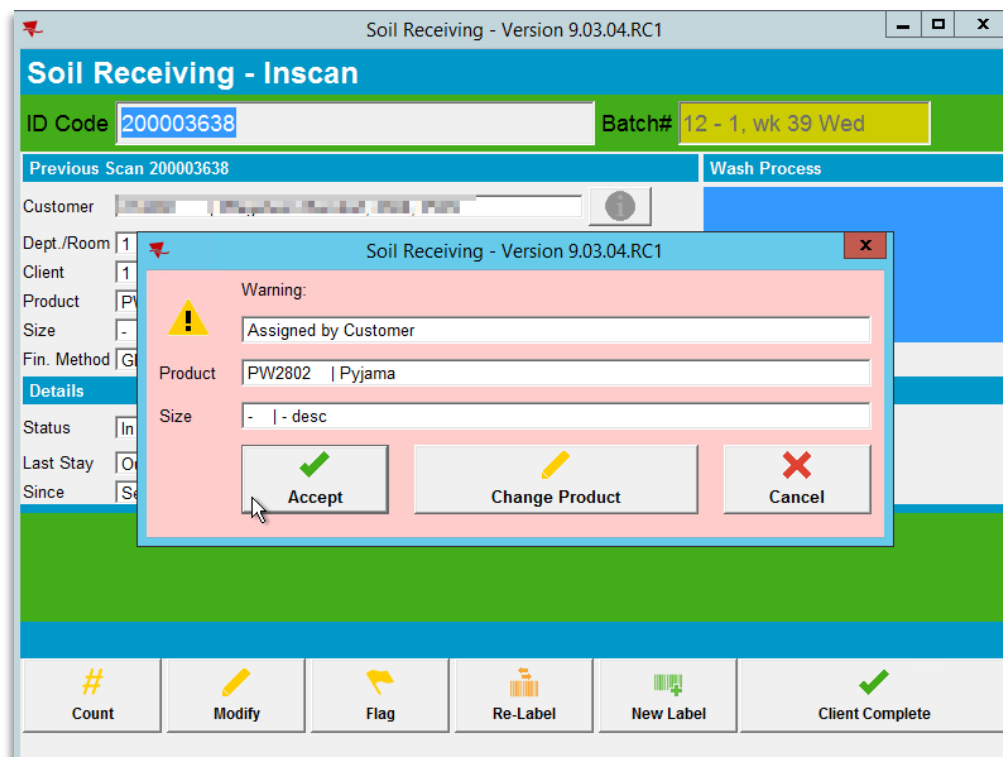
#### 4.7 Soil scan residential items: Check on items that were assigned by the customer

<b>ABS NUMBER</b>	ABS-85026
<b>PURPOSE</b>	Create a check on Residential Items that are assigned by customer
<b>AFFECTED DIALOGUES</b>	Residential Soil Receiving / Automatic Flag / Assign (residential web)
<b>SYSTEM SETTINGS</b>	
<b>MODULES</b>	PWBINTERNET

Some residential customers of a laundry use the web-portal to assign labels for clients. Customers do print labels themselves, or use pre-printed labels from the laundry.

Until now there was no real control option in the laundry because an employee will not look to the scan screens after every scan, for sure not because they don't know when an item arrives for the first time.

Now a possibility is created to force the control of assigned labels to products by customer, the first time this item arrives in the laundry. This is done by a new autoflag : "Assign by Customer". When this flag is in use, the web portal will automatically add this flag to every item assigned via web. Depending on the settings of the flag, a pop-up will be shown when an item is scanned with this flag. See example below, the user has to confirm the product, or can directly go to the 'product selection screen' to select another product, this way ensuring the proper invoicing for the product.



After the item has been scanned within the laundry the automatic flag will be removed.

#### 4.8 Soil scan Residential Items: Option to block the create residential batches per workstation

<b>ABS NUMBER</b>	ABS-95585
<b>PURPOSE</b>	Do not allow every workstation to create new residential batches
<b>AFFECTED DIALOGUES</b>	Inscan residential items (touch screen)
<b>SYSTEM SETTINGS</b>	-
<b>MODULES</b>	RESIDENTIAL

In some laundries, for residential inscan, multiple workstations are working in same batch. To prevent that every workstation (every employee) can create new batches a new setting on workstation is created to show or hide the button to create new batches in the inscan dialog.

The screenshot shows the 'Modify Workstation' dialog box. At the top, there's a 'Workstation' header. Below it, a blue bar contains 'Modify Workstation'. A toolbar with icons for 'Save and Exit', 'Exit', 'First', 'Previous', 'Next', and 'Last' is present. The 'Code' field is set to '19'. The 'Description' and 'Business Unit' fields are empty. The 'Settings' section has tabs for 'Software Settings', 'Hardware Settings', 'Tag Reading', 'Printers', 'Print Settings', and 'Label Printers'. Under 'Software Settings', 'Time Zone' is 'Europe/Amsterdam', and 'Plant Department' is 'VUIL | Inscan Vuil'. The 'Close Batch Options' section is highlighted with a red circle, showing 'Allow Create Batch' is unchecked and 'Allow Closing Batch' is checked. Below this, 'Print Options upon Closing Batch' are listed: 'Sort List' (Not Visible), 'Client Del. Note' (Visible, default Yes), 'Compiled Del. List' (Not Visible), and 'Customer Sticker' (Not Visible).

#### 4.9 Outscan Residential items: Create extra Paternoster box for sorting when box is full

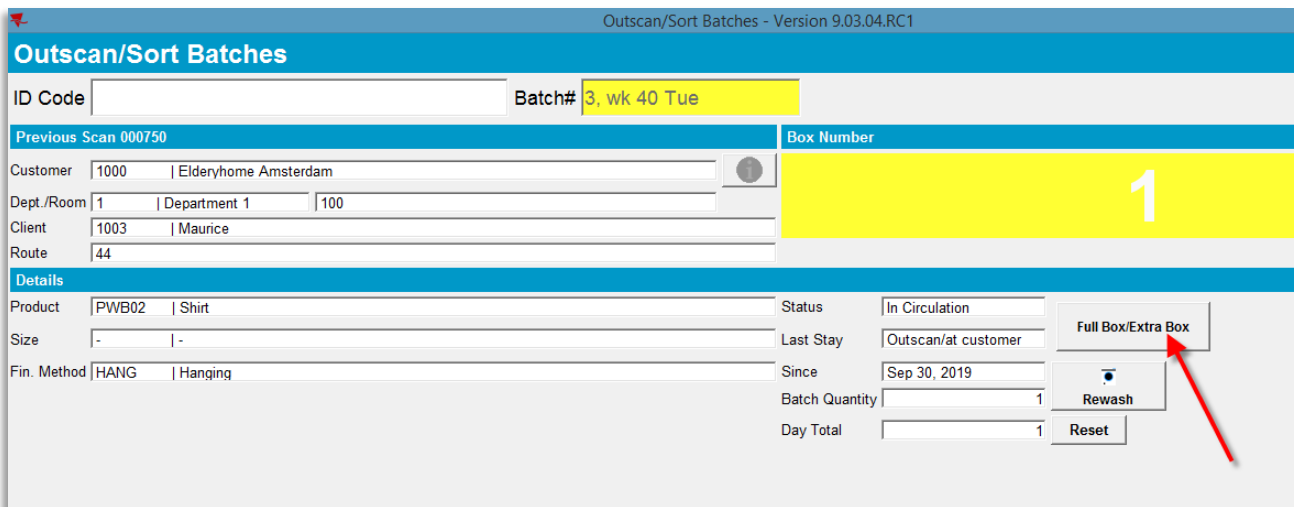
<b>ABS NUMBER</b>	ABS-85034
<b>PURPOSE</b>	When clients have more items/garments than what fits in a box, a new box can be reserved.
<b>AFFECTED DIALOGUES</b>	OUTSCAN RESIDENTIAL
<b>SYSTEM SETTINGS</b>	EMPTYBOXALLOWED
<b>MODULES</b>	RESIDENTIAL BASIS

For residential laundries that use a sorting paternoster to sort residential garments there is an issue when a client has more items/garments then what would fit in a box in the paternoster.

In ABSSolute there was already an option to ‘unload’ a box and use that same box-number for the client. Disadvantage of this method is that the garments must be stored somewhere temporary.

Now a new way to handle this large volumes for a client is introduced. A new box can be reserved for a client when there are too many items/garments. A new client delivery note is created for that new box.

When system setting “emptyboxallowed” is set to Y a box will be unloaded (existing functionality). When setting is N then a new box will be reserved.



#### 4.10 Outscan Residential items: Close the sort batch only for certain finishing method

<b>ABS NUMBER</b>	ABS-85049
<b>PURPOSE</b>	When a residential sort batch contains multiple finishing methods, option to close only a certain finishing method.
<b>AFFECTED DIALOGUES</b>	
<b>SYSTEM SETTINGS</b>	USEFMPEBATCH
<b>MODULES</b>	RESIDENTIAL BASIS

In a lot of laundries different finishing methods are handled in different plant departments in the laundry. A good example is “Hanging” goods are packed at a different work spot than “Folded” items.

The problem with this is, that at out scan residential items dialog a user can close a batch in 1 department, for example at the folded items, while at that time the hanging items are not finished yet.

Therefore, a development is made to handle this. From now on it is possible to define what finishing methods are linked to a workstation and a batch can only be closed for that particular finishing method.

A workstation can be linked to a finishing method via it’s plant department. This was already possible.

When system setting “USEFMPEBATCH” <> 0 then on closing a batch in out scan residential items only the finishing methods for that workstation will be closed. When the setting is 2 it will even not be possible to scan items with a finishing method other than allowed for that workstation.

Finishing method must be handled on a different plant department.

In the batch dialog, a new tab is made where to see the status of every finishing method in that batch.

Code	Description	Outscan Status	Workstation
FOLD	Folded	In Progress	Expedition 3
HANG	Hanging	New	



#### 4.11 Outscan Residential items: New Rewash functionality

ABS NUMBER	ABS-85142
PURPOSE	Possibility to remove items from a client delivery note when they need to be sent to rewash.
AFFECTED DIALOGUES	Out scan Residential
SYSTEM SETTINGS	
MODULES	RESIDENTIAL ITEMS

When during scanning out residential items, an employee finds an item that is not clean and needs to be send to rewash, there was no option to do this.

With this new development, a new button in out scan residential items dialog is created. After scanning an item, this button can be used to send an item to rewash.

When this is done:

- The particular item is removed from the client delivery note (item is not delivered to customer)
- The Stay of the item will be changed to 'rewash'

**Inquiry Maintain Unique Residential Item**

✓ Save ✕ Cancel

ID Code

Details Additional Info Scan History Delivery History

Client Details		Status / Stay	
Customer	1000   Elderyhome Amsterdam	Current Status	In Circulation
Client	55   Piet	Stay	Rewash
Department	1   Department 1		
Room	100		

Item Details

#### 4.12 Outscan Residential items: Create 'fake' in scan records

<b>ABS NUMBER</b>	ABS-85144
<b>PURPOSE</b>	In case not all residential items are scanned in, on the outscan an inscan can be created anyway.
<b>AFFECTED DIALOGUES</b>	Outscan Residential
<b>SYSTEM SETTINGS</b>	
<b>MODULES</b>	SIMULATEINSCAN

Some laundries don't scan in residential items at all or do only partly inscan. To have inscans records for all items anyway a new systemsetting is created.

SIMULATEINSCANS. When set to 1 or 2, during out scan an in scan is created for every item without an in scan. When set to 1 all in scan are created with timesstamp of creation of the client delivery note. When set to 2 then there is a random timeframe used of 3 hours from start batch.

#### 4.13 Outscan Residential items: Support VEGA Systems sorting paternoster system

<b>ABS NUMBER</b>	ABS-86975
<b>PURPOSE</b>	Sort residential items with VEGA Systems paternoster system
<b>AFFECTED DIALOGUES</b>	Outscan Residential
<b>SYSTEM SETTINGS</b>	-
<b>MODULES</b>	PWB SORT

From this release on, also VEGA sorting cabinets are supported in out scan / sort residential items. No functional changes are made, only another brand is added in the list of supported paternoster systems.

## 5 **MAT SERVICES/WASHROOM SERVICES/BULK LOADS**

This section contains the main Mat Services improvements to ABSSolute.

### 5.1 Bulk Packing Assistant App (NEW!)

<b>ABS NUMBER</b>	ABS-67076, BPA-1
<b>BACKGROUND &amp; PURPOSE</b>	New application (Android) with the following main functions: <ul style="list-style-type: none"><li>- Pack bulk items for routes</li><li>- Store mats in hive locations</li><li>- Return one-way items in stock</li></ul>
<b>AFFECTED DIALOGUES</b>	Active stock locations (ABS client) Products (ABS client) Bulk Packing Assistant (Android App)
<b>SYSTEM SETTINGS</b>	-
<b>MODULES</b>	Bulk Packing Assistant

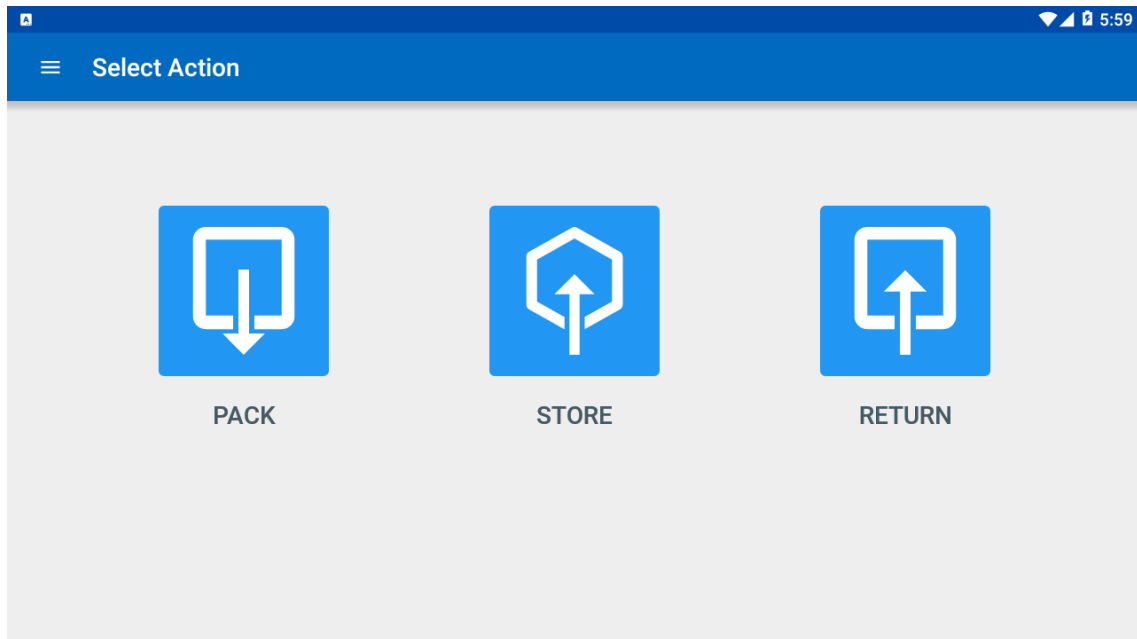
Besides the already existing “Packing Assistant” that is used for customer specific packing of containers/hampers/bags, ABS developed the “Bulk Packing Assistant”. This App is used mainly for packing the following product ranges:

- Dust control items such as:
  - o Mats
  - o Mops/Wipers
  - o Shop Towels (all generic pool)
- One-way items such as:
  - o Soap Re-fills
  - o Batteries
  - o Paper Towels
  - o Hygiene Products
- Standard Linen & Hospitality (bulk loaded) items such as:
  - o Standard Napkins
  - o Standard soil return wash bag
- Any other bulk loaded products

Specifically for the Mats and Logo Mats, there is some more features available:

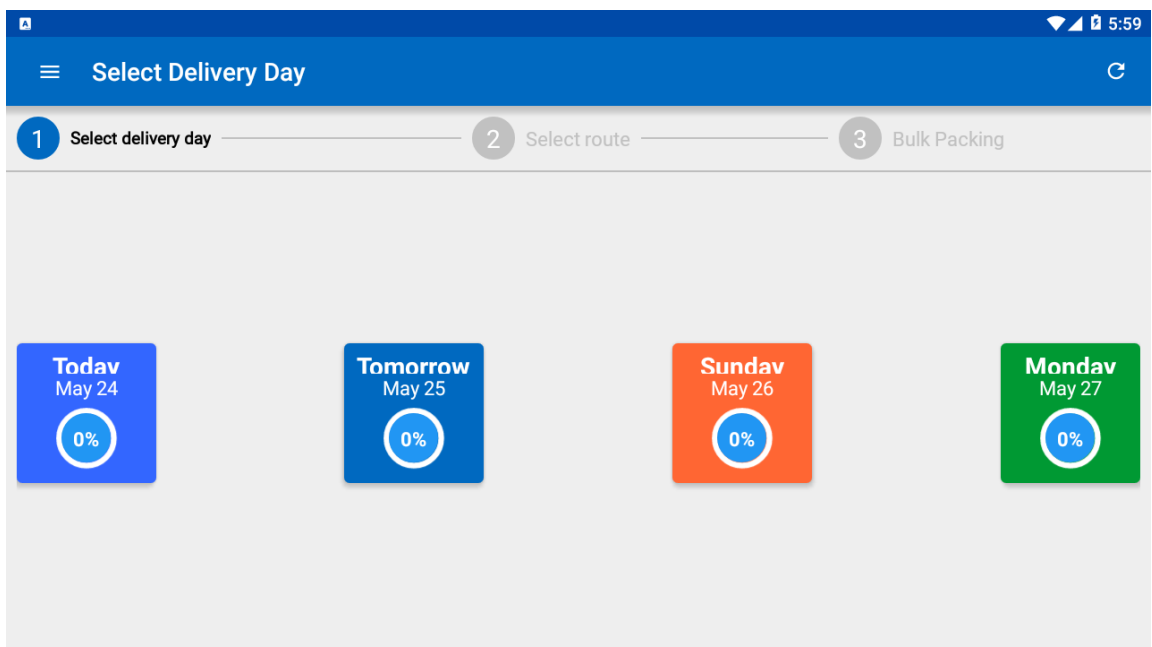
- Storage of the mats into a dynamic (not fixed) stock location (bee-hive/tube)
  - o The system will determine the best stock location based on intelligent “return-route-determination”
    - This avoids walking distances during the picking
    - This dynamic stock will save up to 40% of space compared with fixed mat storage locations
- Return un-used generic pool mats (or any other products) from the route
- Optimized bulk loading of stored mats in bee-hive stock locations

Bulk Packing Assistant: Portrait layout of the APP with 3 menu options:

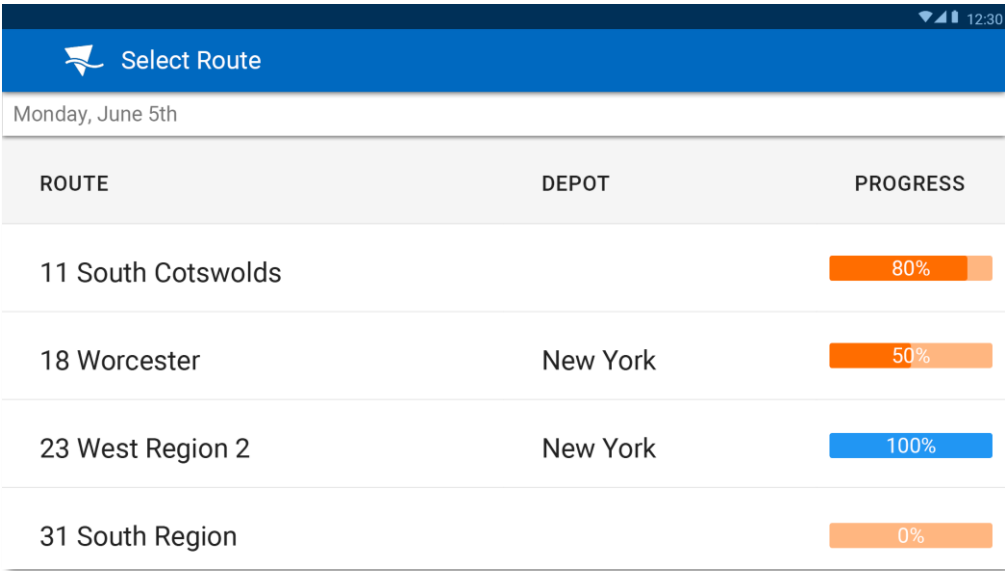


Option **PACK** is selected: Now select the day/date for which packing must be done. Note:

- Easy to understand including progress %
- After selecting the day/date, a route is selected for that day, followed by the bulk packing (see next page)

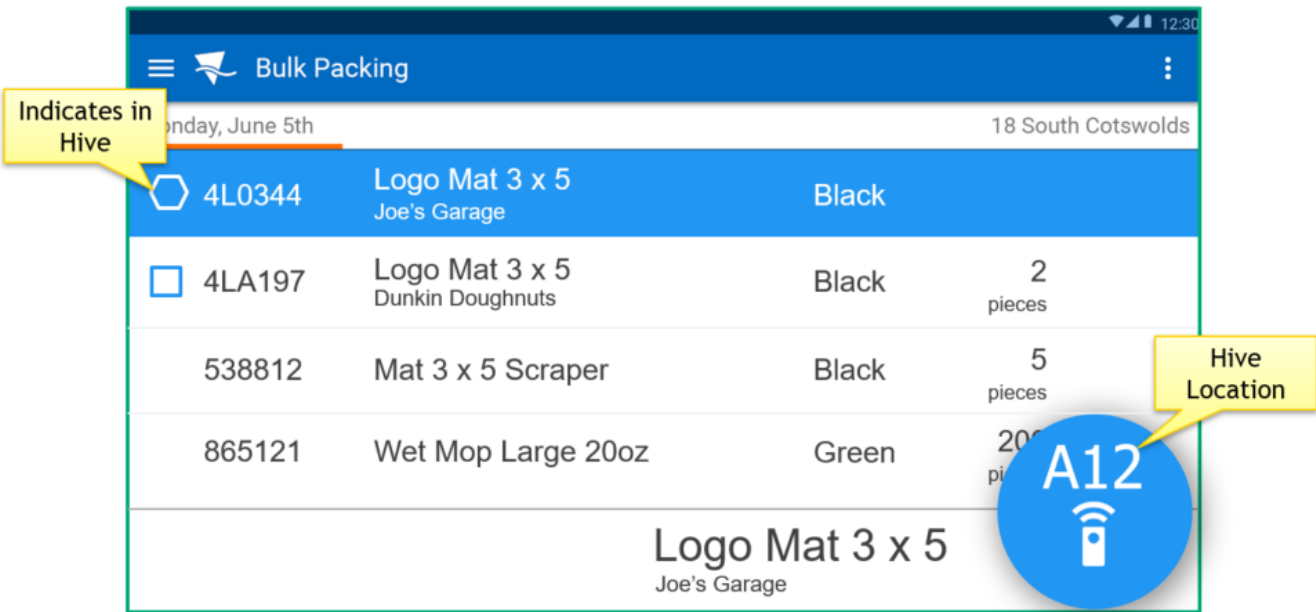




After selecting the route, packing can be done for all products that are needed for the selected route.

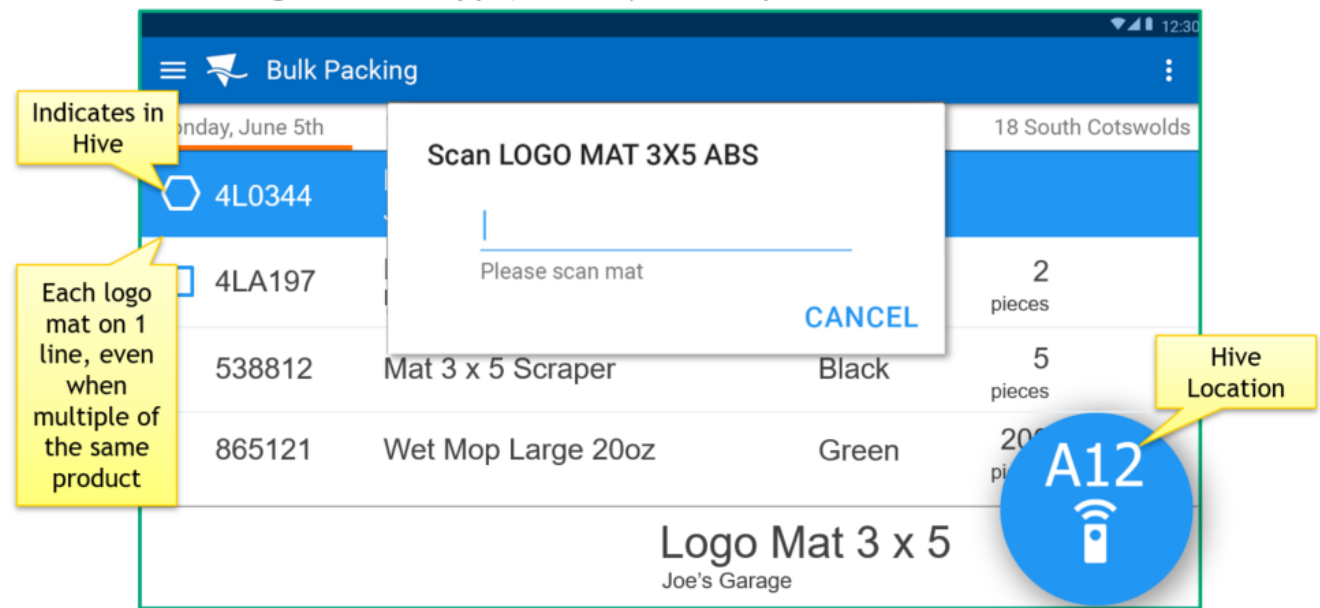


ROUTE	DEPOT	PROGRESS
11 South Cotswolds		80%
18 Worcester	New York	50%
23 West Region 2	New York	100%
31 South Region		0%

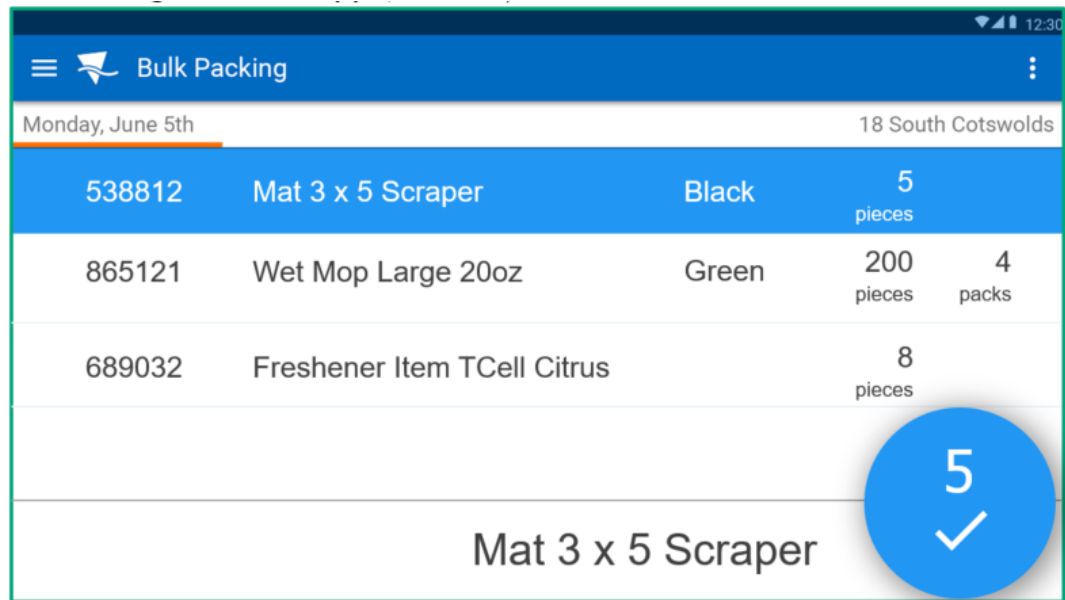
When items are stored on a specific location, in the right hand bottom of the screen it shows the stock location. In case there is a “scanning-icon” shown, the user will be requested to scan the location or the UHF RFID product.



Bulk Packing			
Monday, June 5th		18 South Cotswolds	
	4L0344	Logo Mat 3 x 5 Joe's Garage	Black
	4LA197	Logo Mat 3 x 5 Dunkin Doughnuts	Black 2 pieces
	538812	Mat 3 x 5 Scraper	Black 5 pieces
	865121	Wet Mop Large 20oz	Green 20 pieces
Logo Mat 3 x 5 Joe's Garage			



In case Mats/Other Products are not uniquely identified (such as Soap re-fills, standard mats), the number of required products are shown in the right bottom corner.



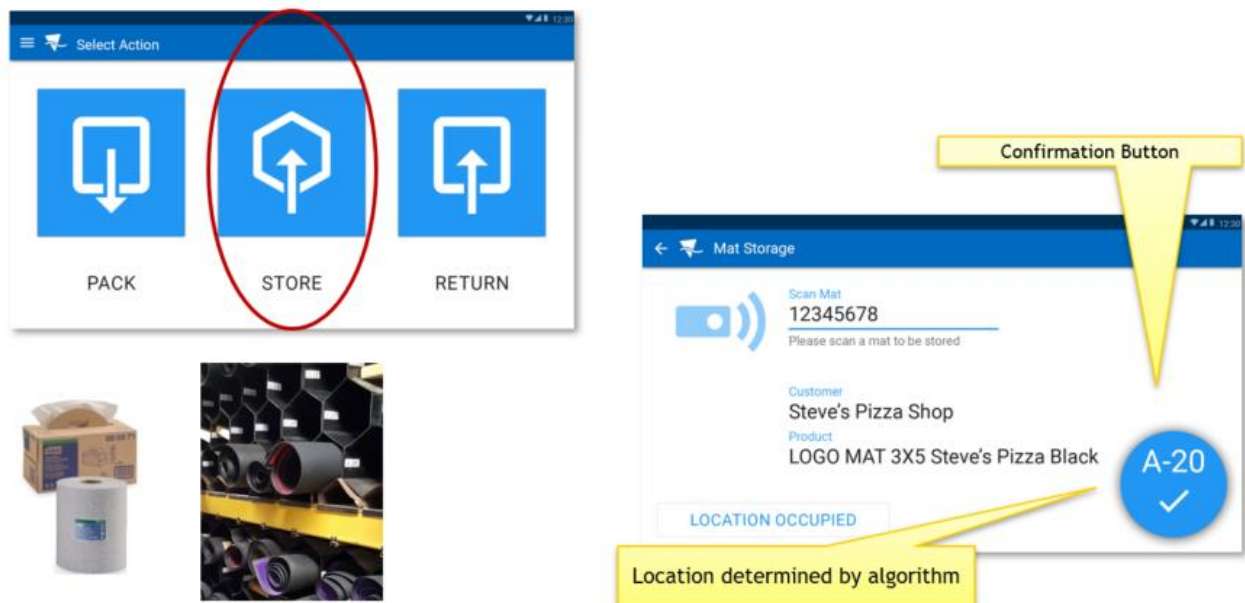
In case of bulk items (customer related or general) that need to be packed and which are not uniquely coded, the to-be-packed-quantities will be shown which can be confirmed or shortened (packed).

### Shorting lao test description

To pack	<b>10</b> Pieces
Packed	<b>10</b> Pieces

[CANCEL](#) [COMPLETE](#)

Bulk Packing Assistant: STORE menu option:



Option **STORE** is selected:

- Now the system allows to SCAN or COUNT the stored products

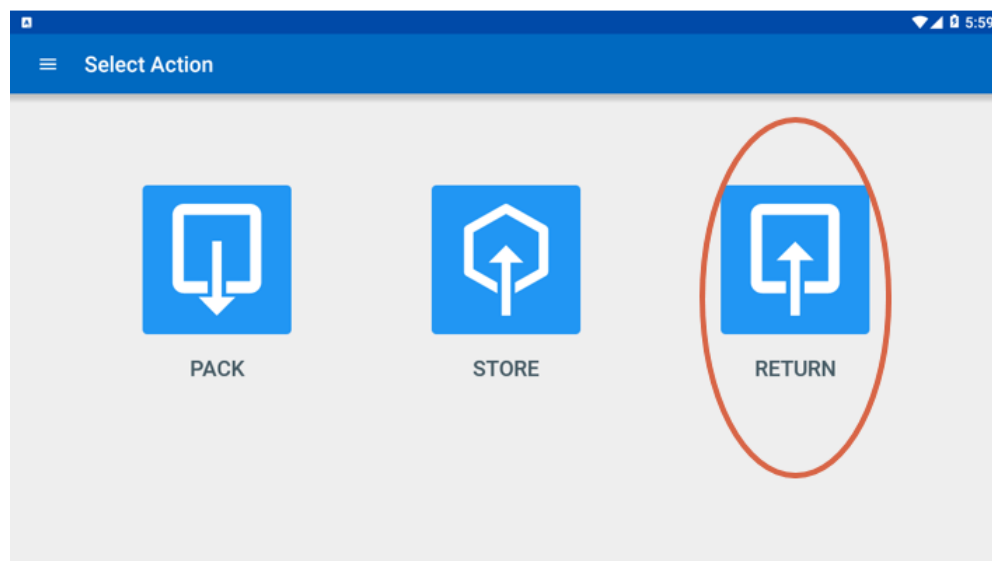
After scanning the mat, the stock location to store the item is shown in the right bottom corner (A-20).

In case for any reason the suggested location is already occupied, the user can select “location occupied” (this feature as well as the algorithm how the system determines the stock location, is described in the manual of the Bulk Packing Assistant App):



Option **RETURN** is selected:

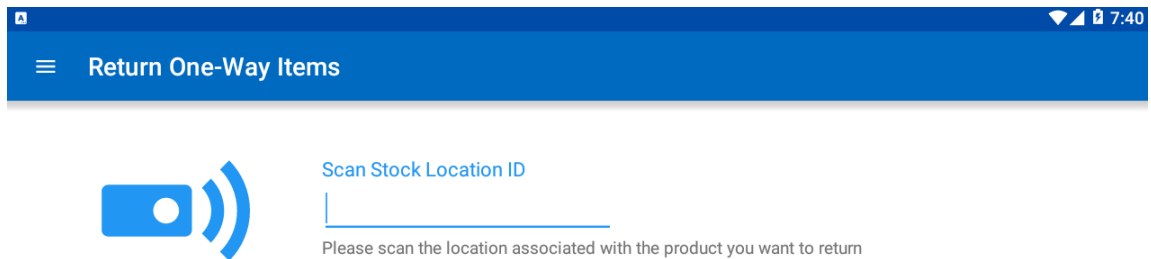
- Now the system allows to SCAN or COUNT the RETURNED products





Returning items can also be done in the following sequence:

- Scan the stock location
- Enter the quantity to be returned from the route

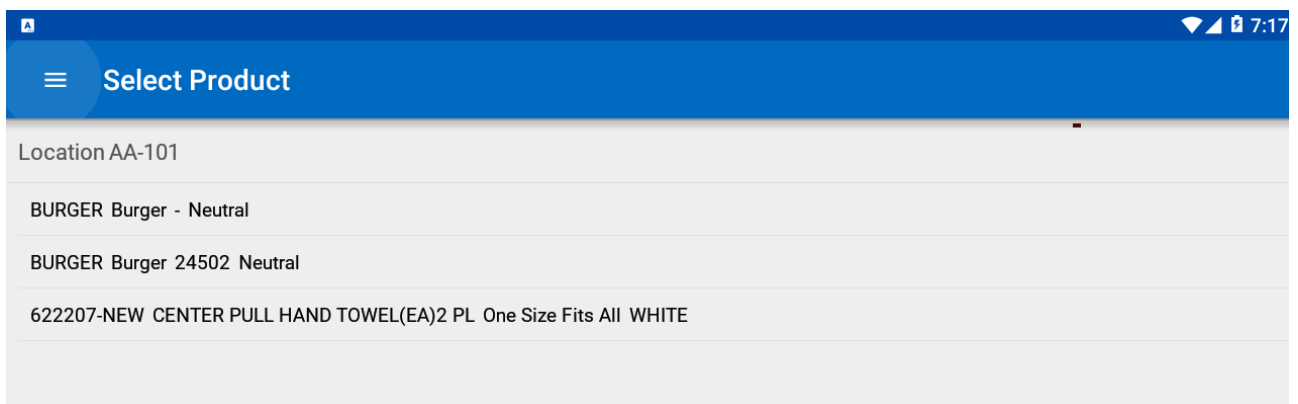


Return One-Way Items

Scan Stock Location ID

Please scan the location associated with the product you want to return

Product selection



Select Product

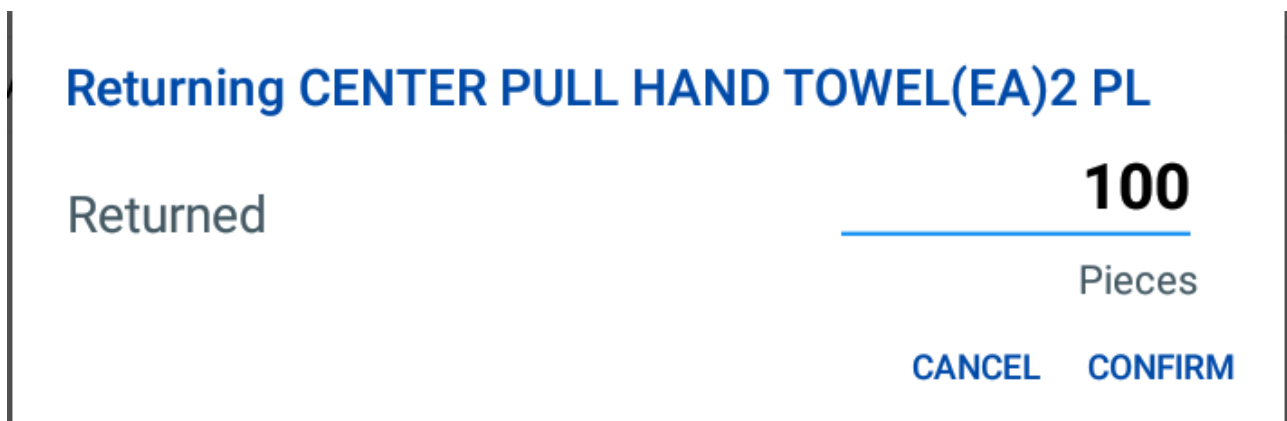
Location AA-101

BURGER Burger - Neutral

BURGER Burger 24502 Neutral

622207-NEW CENTER PULL HAND TOWEL(EA)2 PL One Size Fits All WHITE

Confirm quantities to be returned into stock



Returning CENTER PULL HAND TOWEL(EA)2 PL

Returned

100

Pieces

CANCEL CONFIRM

In order to have the Active (dynamic) Stock Locations known in the ABSSolute system, the Active Stock Location needs to be identified:

- Section: what section or area such as “A”
- Location: a visible location identification such as “20”
- Adjacent Locations: what locations are available around the tube/bee-hive location
  - o This is some work to be done but creates a lot of labour saving when packing
  - o The distance factor is identifying how close the adjacent locations are

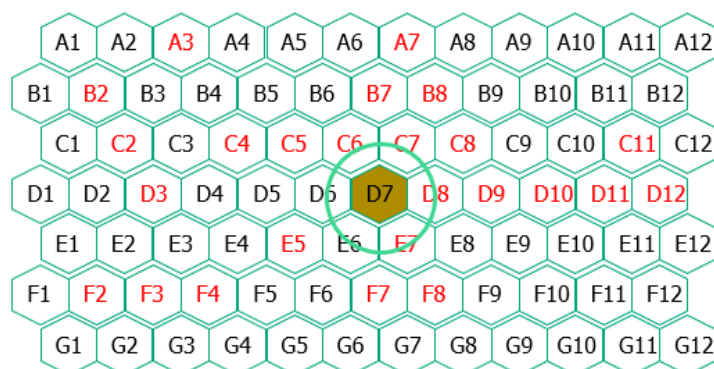
In the client application the hives for logo mats are defined:

The screenshot displays the 'Active Stock Location' application window. The main form is titled 'Modify Active Stock Location' and includes fields for Business Unit, Section (F), Location (8), and Unique ID. It also has checkboxes for 'Active' and 'Bulk Storage'. Below these fields are tabs for 'Adjacent Locations', 'Products & Customers', and 'Actual stock'. The 'Adjacent Locations' tab is active, showing a table with columns 'Section', 'Location', and 'Distance Factor'. The table contains six rows of data. A modal window titled 'Add Adjacent Locations' is open in the foreground, allowing users to add new entries with fields for Section, Location, and Distance Factor (set to 1).

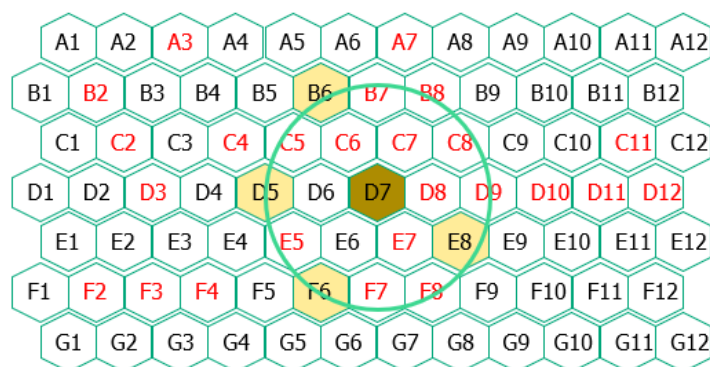
Section	Location	Distance Factor
E	7	3
E	8	1
F	7	3
F	9	1
G	7	3
G	8	1

Based on the section, location and the distance factor between the locations the determination of the hive locations is done when storing logo mats in the hive locations. Goal of this calculation is to keep all mats connected to the route as close to each other as possible to optimize picking the mats when building the route load.

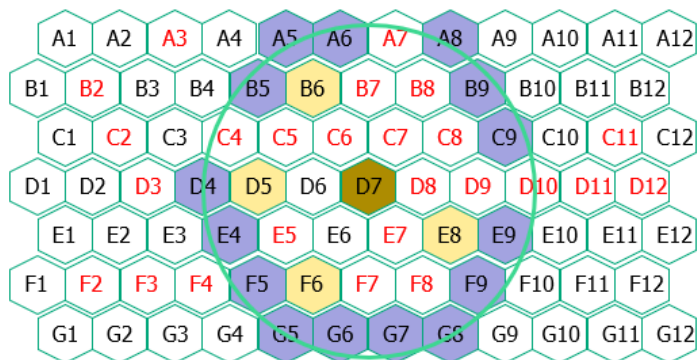
Distance factor: 1 (see green circle)



Distance factor: 2 (see green circle)



Distance factor: 3 (see green circle)



There is an option to identify locations that are specific to customer related pool items. In case that there are no customer details filled, the Active Stock Location is meant to be used for any item.

The screenshot shows the 'Active Stock Location' window with the 'Products & Customers' tab selected. A modal window titled 'Add Products And Customers' is open, allowing users to add new entries. The modal includes fields for Customer, Product, Size, and Finishing Method, along with checkboxes for 'No Customer' and 'All'.

Custom...	Customer ...	Product C...	Size Code	Size
		3X5	-	-
1000001	PBR_001	802125	OSFA	One Size Fl...
1000010	PBR PO Test	802125	OSFA	One Size Fl...

In the ABSSolute Product Table, on the “Logistics” you can identify if a product must be stored in an Active Stock Location. (See checkbox Store in Active Stock Location).

There also the determination is done:

- Customer Logo Mat
- Customer Pool Logo Mat
- Pool Bulk Product

The screenshot shows the 'Logistics' tab in the 'Inquiry Products' window. It displays various settings for product logistics, including checkboxes for 'Store in Active Stock Location', 'Confirm Product on PGA', and 'Allow pre-wash'. A list of product types is shown on the right, including 'Customer Logo Mat', 'Customer Pool Logo Mat', and 'Pool (Bulk) product'.

## 6 OPERATING ROOM SERVICES

This section contains the main OR Services improvements to ABSSolute.

### 6.1 No changes to OR services in these releases

## 7 CLEANROOM SERVICES

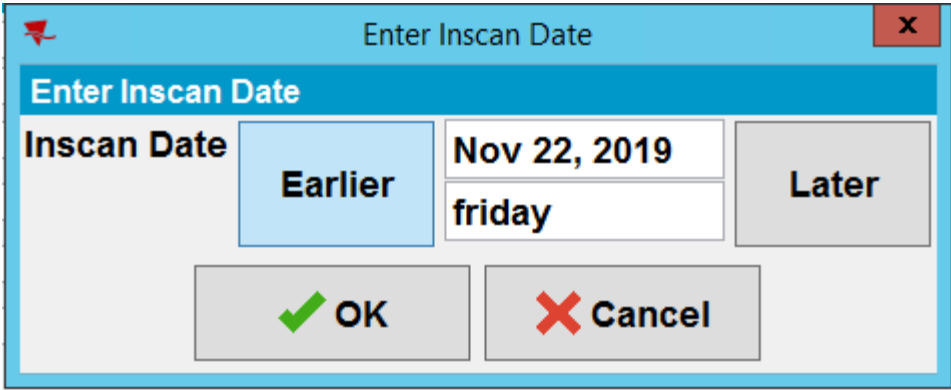
This section contains the main Cleanroom improvements to ABSSolute.

### 7.1 Extension inscan check for multiple delivery dates

<b>ABS NUMBER</b>	ABS-86029
<b>PURPOSE</b>	Check customer delivery scheme at inscan
<b>AFFECTED DIALOGUES</b>	Cleanroom Batch Packing dialog
<b>SYSTEM SETTINGS</b>	CHECKCUSTOMERDELSchemeINSCAN, CHANGESCANDATE
<b>MODULES</b>	-

Users often forget to enter the correct pick up date in the Inscan-dialog, which causes problems with the outgoing route determination. This is a problem when the customer is delivered multiple times a week.

Due to this, an extra check has been added to inform the user when such a customer is scanned (a check is done on customer delivery scheme) to define the correct pick up date. Below is an example of the pop-up-dialog that appears in the Inscan-dialog.



## 7.2 Resize cleanroom batch packing dialog

<b>ABS NUMBER</b>	ABS-86030
<b>PURPOSE</b>	Cleanroom batch packing screen optimization
<b>AFFECTED DIALOGUES</b>	Cleanroom batch packing
<b>SYSTEM SETTINGS</b>	-
<b>MODULES</b>	-

The layout of the Cleanroom Batch Packing-dialog and Outscan-dialog have been resized for better readability and overall presentation.

Cleanroom Batch Details

Save and Exit Exit

Batch Number 190722002

Cleanroom Batch Details

Save Cancel User Instruction Grid Views Print F9 Box Label Sterilization report

Cons. Point Descr.	Delivery Date	Parent Product ...	Size	Fin...	Count In	Count Out	Scan In	Scan Out	Difference	Customer #	Customer ...
OCTAPHARMA BL LOC	20.09.2019	UEBERSCHUH...	43	BL	0	55	11	7	-51	114	OCTAPHA...

File Workspace Menu BU ContactManager Switchboard Preferences Help

clean Cleanroom Batch User Instructions Per Customer General User Instructions Cleanroom Batch Packing Cleanroom Batch Status Control Grid View Tools

Controle entrée Cleanroom Batch Packing

suivi ID Code

Explo Outscan

Outscan

Manita Exit

Deliv ID Code

Corre Batch # 190722002

Clean Status Previous Scan Sorting info

Batch

Customer Customer

Department Department

Wearer Wearer

Details

Parent Product Parent Product

Product Product

Size Size

Status Status

Last Stay Last Stay

Secondary ID Secondary ID

Fin Method Fin Method

Since Since

Transport Article Transport Article

Counters

Day Total Day Total

Sterilizer Sterilizer

Program Program

Charge Number Charge Number

F2 Outscan Pool F3 Flag F5 Repair F6 Label F8 Charge Info F9 New Batch F10 Details

Envoi relavage/réparat...

réparations

Tournées

Paramétrage

### 7.3 User instructions in cleanroom screens

<b>ABS NUMBER</b>	ABS-75890
<b>PURPOSE</b>	Add user instructions in cleanroom batch module screens
<b>AFFECTED DIALOGUES</b>	User instructions Cleanroom batch creation Cleanroom batch status control Cleanroom batch packing
<b>SYSTEM SETTINGS</b>	-
<b>MODULES</b>	Cleanroombatches

Extension of the user instructions to include the cleanroom batch screens.

Cleanroom batch creation:

The screenshot displays the 'Inquiry Cleanroom Batch' interface. At the top, there is a 'Modify' section with fields for Batch Number (515556), Washing Program (YPR12), Pieces (2), Employee (1), Machine (D1), Internal Cart (22), and Remark. Below this is a 'Cleanroom Batch' section with tabs for 'Modify Content', 'Modify Sterilization Date', 'User Instruction', 'Grid Views', and 'Print'. The 'User Instruction' tab is active, showing a table with columns: Customer, Cons. Point Descr., Product Descr., Size, FM, Quantity, Delivery Date, Container #, Department, Route, and Customer Name. The first row of data shows Customer 44, Cons. Point Descr. BIOMET-65870-HOMME CIMENT, Product Descr. 6, Size 52, Quantity 2, Delivery Date 2 Jan 21, 2020, Container # 1682, Department 20, Route 1, and Customer Name BIOMET (LOC). An 'Instructions' dialog box is overlaid on the table, titled '44 BIOMET (LOC)' and containing the text 'TEST user instruction'. The dialog box has an 'OK' button at the bottom right.

### Cleanroom batch status control:

Cleanroom Batch Status Control

Batch Number

Batch Selection

ID Code

E0162001038A917A

From Batch

to

✓ All

From Creation date

to

✓ All

Plant department

✓ All

From Customer

?

to

?

✓ All

☐ Consumption Point

☐ Consumption Point Proof of Visit

From Delivery date

to

✓ All

From Route

?

to

?

✓ All

Show status

☒ Open

☒ Closed

☒ Out of Cleanroom

☒ Rejected

☒ Packing in a

Cleanroom Batch Status Control

✱ Modify Content

🖨️ Reprint Batchcard

← Previous Status

→ Next Action

Batch number	Creation date	Creation user	Delivery Date	Plant department
215556	Jan 17, 2020 11:...	EBR	2020-01-21	-
215544	Nov 25, 2019 3:...	OKO	2019-11-26	-
212452	Apr 4, 2019 11:...	TRIY1	2019-04-09	-
204387	Jun 22, 2018 11:...	TRIY1	2018-06-26	-

Batch Content

Save and Exit

✗ Exit

⬅️ First

⬆️ Previous

➡️ Next

➔ Last

Batch Number

215556

Washing Process

Employee

EBR

Machine

D1 | A

Internal Cart

22

Remark

Creation Date

Jan 17, 2020 11:45:27 AM

Status

Closed

Pieces

2

Kg

0.400

Content

Details

Summary

Production Information

Content

Count: 1

Grid View

Tours

📘 User Instruction

✱ Modify Sterilization Date

🗪 Grid Views

🖨️ Print

Customer #	Delivery Date	Cons.Point Number	Parent ...	Parent Product Descr.	Count In	Finis...	Sc
44	Jan 21, 2020		1MCH		0	S2	

III

### Cleanroom batch packing:

[illegible]



## 7.4 Undo outscan in cleanroom batch packing outscan

<b>ABS NUMBER</b>	ABS-83305
<b>PURPOSE</b>	Add button undo outscan to the cleanroom batch outscan pop up to remove items incorrectly connected as outscan to the cleanroom batch.
<b>AFFECTED DIALOGUES</b>	Outscan from cleanroom batch packing
<b>SYSTEM SETTINGS</b>	-
<b>MODULES</b>	Cleanroom batches

In the outscan screen pop up from cleanroom batch packing

When opened there is an option to disconnect item per item, or scan the item again to disconnect it from the batch and cancel the delivery scan.

Undo out-scan Pool and Non Pool items

Undo out-scan Pool and Non Pool items

Exit

Batch Number215556Delivery Date01/21/2020Tuesday, week 04

Customer Details

Customer

Department

Cons. Point

Items Already Scanned On This Batch

Count : 1Grid View All

DisconnectGrid ViewsPrint

ID-Code	Product	Size	Finishing Meth...	Linked Batch Number
E0162001038978	47318	6	S2	215556

Previous Scan

ID Code

## 7.5 Allow multiple sterilisation runs when doing counts in cleanroom batch packing

<b>ABS NUMBER</b>	ABS-83278
<b>PURPOSE</b>	Before this change it was not possible to add multiple sterilisation runs to out counts. With this change there are multiple counts possible with different sterilisation runs.
<b>AFFECTED DIALOGUES</b>	Cleanroom batch packing
<b>SYSTEM SETTINGS</b>	-
<b>MODULES</b>	Cleanroom batches

When doing counts in cleanroom batch packing you can add now per outcount a unique sterilisation number.

The screenshot shows the 'Cleanroom Batch Details' dialog box. At the top, there are buttons for 'Save and Exit' (green checkmark) and 'Exit' (red X). Below this is a 'Batch Number' field containing '45769'. The main area is a table with columns: Cons. Point Descr., Delivery D..., Parent Product..., Size, Fini..., Count In, Count Out, Scan In, Scan Out, Difference, Cust #, Cust Name, and Charge N... The table has three rows of data, all with a 'Difference' of 0.25. A 'Sterilization Run Entry' sub-dialog is open over the table. It has buttons for 'Save and Exit' (green checkmark) and 'New' (green plus). The sub-dialog contains a 'Sterilization Log' section with fields for Sterilizer (AU1), User (1), Program (TEXTILE), Charge Number (AU12020), Sterilization batch date (01/31/2020), Start Time (00:00), End Time (00:00), Duration (00:00), Expiration Date (02/29/2020), and F0 (001.00).

## 7.6 Pair scanning in cleanroom batch packing

<b>ABS NUMBER</b>	ABS-83284
<b>PURPOSE</b>	New rule for pair scanning. Automatically determine if products need to be scanned in pairs. New rule to accept or cancel scans when the item does not match the pair rule.
<b>AFFECTED DIALOGUES</b>	Cleanroom batch packing
<b>SYSTEM SETTINGS</b>	CRBPAIRSCANNINGACTIVE
<b>MODULES</b>	Cleanroom batch

When in outscan cleanroom batch the pair button is automatically activated when an item is scanned that is a pair product.

The screenshot shows the 'Outscan' software interface. At the top, there's a title bar 'Outscan' with a close button. Below it, a menu bar has 'Exit'. The main area displays 'Outscan' with a progress indicator '0 / 1' and 'Batch # 45769'. A section for 'Previous Scan 90095972' shows fields for Customer, Department, and Wearer. Below that, a 'Details' section contains fields for Parent Product, Product, Size, Status, Last Stay, Secondary ID, Fin. Method, Since, and Transport Article. To the right, a 'Counters' section shows Day Total (2), Sterilizer (AU1), Program (VIDE), and Charge Number (AU120202). A large 'Scan OK' message is centered in the main area. At the bottom, a toolbar contains buttons: F2 Outscan Pool, F3 Flag, F5 Repair, F6 Label, F7 Pair Scan On (highlighted with an arrow), F8 Charge Info, F9 New Batch, and F10 Undo Outscan.

When the second scan is not matching the previous product, a new warning pops up

Outscan

Exit

Outscan

ID Code

90167104

0 / 1

Batch # 45770

Previous Scan 90168066

No sorting info

Customer

Department

Wearer

Details

Counters

Parent Product

Product

Size

Status

Last Stay

Secondary ID

Fin

Sin

Trat

Warning

The previous garment scanned was a product 47317 size 2 wearer 3 and is marked as having to be scanned in pairs, this is product 47319. Do you want to accept the scan anyway?

Accept scan

Do not accept scan

Cancel both scans

7

AU1

BOWIE

AU120203

F2 Outscan Pool

F3 Flag

F5 Repair

F6 Label

F7 Pair Scan On

F8 Charge Info

F9 New Batch

F10 Undo Outscan

Now the user can select if the scan is still accepted, if the second scan is not correct and needs to be declined, or if both scans are not correct.

Now the user can select if the scan is still accepted, if the second scan is not correct and needs to be declined, or if both scans are not correct.

## 7.7 Cleanroom batch packing per customer

<b>ABS NUMBER</b>	ABS-86031
<b>PURPOSE</b>	New tab to perform scanning out per customer and not per batch in the cleanroom batch packing screen. This summery screen shows the number of batches per consumption point which allows users to not scan out batch per batch but consumption point per consumption point.
<b>AFFECTED DIALOGUES</b>	Cleanroom batch packing
<b>SYSTEM SETTINGS</b>	-
<b>MODULES</b>	Cleanroom batches

New tab in the cleanroom batch packing to scan out per consumption point. In order to use this tab all items need to be scanned in in order to make sure the outscan is registered against the batch that the item was scanned in too.

CPL C...	CPL Desc	Cust #	Cust Name	Dep #	Dep Desc	Cancelled B	Closed B	Comp...	Delivery D...	Dried B	Folded B	Open B	Out Of CL...	Packing in ...	Rejected B	Wash
1						0	0		2 Jul 23, 2019	0	0	0	0	1	0	
1						0	0		0 Jul 22, 2019	0	0	0	1	0	0	
1						0	0		7 Nov 13, 2018	0	0	0	0	1	0	
2						0	0		0 Feb 4, 2020	0	0	0	1	3	0	
4						0	0		0 Nov 26, 2018	0	0	0	0	1	0	

## **8 WASHROOM SERVICES**

This section contains the main Washroom Services improvements to *ABSSolute*.

### **8.1 Bulk Packing Assistant (see Mat Services chapter)**