![micros logo]

![res 4.0 logo]

Restaurant Enterprise Solution (RES) Version 4.7 Maintenance Release 3

About This Document

This document provides installation instructions for the MICROS Restaurant Enterprise Solution (RES) Maintenance Release 3 for Version 4.7. The process ensures the proper transfer and configuration of the files, programs, and database required for the smooth operation of the applications.

Listed in this document are the revisions that have been implemented within this Maintenance Release.

Declarations

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Maintenance Release Installation

Installing a Maintenance Release

This Maintenance Release can only be installed on a system that has the released version of RES 4.7 (build 4.7.1.2284) or RES v4.7 Maintenance Release 1 or 2 installed.

Before You Begin

1. Close ALL running MICROS applications, except Control Panel.

2. In the MICROS Control Panel, set the Restaurant to OFF.

3. Make sure all of the POS Clients are at System Closed.

4. Close the MICROS Control Panel

Installation

1. Copy the Maintenance Release, RES_47_MR3.exe to the temp folder on your RES Server.

2. Double-click on RES_47_MR3.exe. The patch will run for a short time. Once the patch is complete, the RES server will automatically reboot.

Installation Notes

Installing the Maintenance Release on a RES server will stop all of the running MICROS services before installing the updated files. The RES server will reboot upon completion. The Maintenance Release may include updated files for the POS Clients. Once the server has rebooted, all of the clients will install the updated files. Once finished, the clients will then reboot.

Before installing updated files on your system, the Maintenance Release preserves the original files by appending .PrePatchRestore to the existing filename. **It is absolutely critical that these renamed files be left in place**, exactly as they are. The removal or modification of these archived .PrePatchRestore files will render your RES server un-patchable by future RES releases.

The same Maintenance Release may be installed more than once. This should not be needed, except in the rare case where an installation has failed. Multiple Maintenance Releases may be installed as needed.

Installing the Maintenance Release produces a log file named MicrosNovaPatch.log, which will be located in the *%windir%* folder.

Installing a Maintenance Release will create a unique registry key:

HKEY_LOCAL_MACHINE\SOFTWARE\MICROS\NovaFix\RES_47_MR3

Within this key, a value name 'Installed Date' is created. The data for this value will be the date the Maintenance Release was installed.

Begining with RES 4.7 Maintenance Release 3, all maintenance releases will add a row to the database in db_version_cfg to indicate that a Maintenance Release patch has been executed against the DB. The 'db_module_desc' will be 'RES 4.7 Maintenance Release 3'. The 'db_service_pak_desc' column will be the same as the RES row.

Maintenance Release 3

What's Revised?

A revision is defined as a correction made to any existing form, feature, or function currently resident in the RES Version 4.7 software. To qualify as a revision, the change must satisfy the following criteria:

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◆ The change must replace the current item or remove it from the application.

Revisions Summarized

The table below summarizes the revisions included in this Maintenance Release.

Module	Revision	CR ID/ SCR	Page
Guest Service Solutions	'Validate Block Numbers' Option Can Prompt That Address is Outside the Delivery Area	29195/ 37610	6
	Customer Dialog Address Line 1 on Win32 Clients is Backwards	28278/ 37802	6
	Customer Search Results Have Changed	29180/ 37599	6
Reports	Time Period Report Duplicates Order Type Information	29113/ 37560	7
POS Operations	Default SLU for Touchscreens is Not Working with Auto Menu Levels	29383/ 37788	7
Delivery Dispatch	Incorrect Time Available for Drivers	29235/ 37674	7

Revisions Detailed

Guest Service Solutions

'Validate Block Numbers' Option Can Prompt That Address is Outside the Delivery Area
CR ID #: 29195
SCR #: 37610

Prior to the release of RES Version 4.7, when the option bit 'Validate Block Number' was disabled the user was able to enter in a new customer through GSS by street name only. With the release of RES Version 4.7, the user receives a prompt that the address is outside the delivery area and is unable to enter in new customers by street name only. This has been corrected.

Customer Dialog Address Line 1 on Win32 Clients is Backwards
CR ID #: 28278
SCR #: 37802

Previously when the user entered in the Address 1 field on any GSS customer dialog box, the characters were entered in backwards. This only occurred on Win32 clients. This has been corrected.

Customer Search Results Have Changed
CR ID #: 29180
SCR #: 37599

Previously when the user performed a search for a customer in the main dialog box, the search would include every name that came close in the database. For example, the search for Di resulted in the customer name Eddie first, rather than Dimitiri. This has been corrected.

Reports

Time Period Report Duplicates Order Type Information
CR ID #: 29113
SCR #: 37560

With the release of RES Version 4.7, when the option bit is set to post previous rounds to the current order type and the user in operations changes order types, the Consolidate System Time Period Total Report will show sales for both order types. This has been corrected.

POS Operations

Default SLU for Touchscreens is Not Working with Auto Menu Levels
CR ID #: 29383
SCR #: 37788

Previously, when having the default touchscreen configured to have a default SLU it caused the wrong menu items to show up for Auto Menu Levels.This has been corrected.

Delivery Dispatch

Incorrect Time Available for Drivers
CR ID #: 29235
SCR #: 37674

Previously, when drivers were initially clocking in, they were having a 'Time Available' of five hours or more. This would have the drivers show up incorrectly in order in the Delivery Dispatch module. This has been corrected.

Maintenance Release 2

What's Revised?

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Revisions Summarized

The table below summarizes the revisions included in this Maintenance Release.

Module	Revision	CR ID/ SCR	Page
Delivery Dispatch	The Delivery Dispatch Utility Would Run Slow	N/A/ 37540	10
Menu Board	Making Changes to Panels Used On Multiple Menu Boards Would Result in Errors	N/A/ 37434	10
POS Configurator	User Must Change Password At First Logon' Was Not Working With Enhanced Security	28870/ 37439	10
	Fixed Period Job Code Totals Were Not Resetting in 3 Tables When Reposting Labor	28889/ 37484	11

Module	Revision	CR ID/ SCR	Page
POS Operations	Alpha Numeric Screen Would Not Appear On A Reference Required Menu Item or Discount	28925/ 37443	11
	Last Item Void Not Enforced With Combo Meals	N/A/ 37480	11
	Labor Would Be Incorrect if an Employee Clocked Out Just Before the Daylight Savings Time Changed	28343/ 37481	12
	Combo Meal Ordering Flow Was Invalid After Last Item Void	N/A/ 37482	12
	Checks With Many Service Rounds Can Cause An Error	N/A/ 37514	12
	Menu Items With 'Effective To' In The Past Can Cause POS Operations to Not Respond	N/A/ 37598	13
Printing	Slip Printing Supports Special on Demand	N/A/ 37346	13
	Known Limitation: Slip Printing with Automatic Discounts	N/A/ 37298	14
Product Management	Support 3 Decimal Places For All Fields	N/A/ 37509	14
Reports	Undispatched Checks Would Not Appear as Unassigned in Driver Delivery Report	28840/ 37357	14
	Daily RVC Discount Report Could Show Incorrect Authorizing Employee	28493/ 37513	15
Secure Desktop	Secure Desktop Could Start With Classic Security Prompt	27940/ 37446	15

Revisions Detailed

Delivery Dispatch

The Delivery Dispatch Utility Would Run Slow
CR ID #: N/A
SCR #: 37540

Previously, the more checks that were open, the slower Delivery Dispatch would run. This has been corrected.

Menu Board

Making Changes to Panels Used On Multiple Menu Boards Would Result in Errors
CR ID #: N/A
SCR #: 37434

Previously, it was possible to receive errors when making changes to panels used on multiple menu boards. This has been corrected.

POS Configurator

User Must Change Password At First Logon' Was Not Working With Enhanced Security
CR ID #: 28870
SCR #: 37439

Previously, if a new User ID and User Password were given to an employee, and those changes were not saved before the option 'User must change password at first logon' was enabled, that employee would not be prompted to change their password at next logon. This has been corrected.

Fixed Period Job Code Totals Were Not Resetting in 3 Tables When Reposting Labor
CR ID #: 28889
SCR #: 37484

Previously, when the stored procedure 9704 Repost All Labor Seven Days was called, 3 tables would not be reset:

◆ DLY_RVC_FIXED_PRD_JOB_CODE_TTL

◆ DLY_SYS_FIXED_PRD_JOB_CODE_TTL

◆ DLY_RVC_TTL

This has been corrected. Labor totals are now reset to zero prior to reposting.

POS Operations

Alpha Numeric Screen Would Not Appear On A Reference Required Menu Item or Discount
CR ID #: 28925
SCR #: 37443

Previously, the alpha numeric screen would not always come up when ringing a menu item or discount with a reference required. This has been corrected.

Last Item Void Not Enforced With Combo Meals
CR ID #: N/A
SCR #: 37480

Previously, with certain configurations and conditions, the Employee Class option Void last item only would not always be enforced. This has been corrected.

Labor Would Be Incorrect if an Employee Clocked Out Just Before the Daylight Savings Time Changed
CR ID #: 28343
SCR #: 37481

In previous versions it was found that if an employee clocked out in the fall, one hour prior to Daylight Savings Time being changed, that RES would not be able to determine if the clock out was one hour before the change or one hour after the change. RES not being able to determine the time change with the clock out would cause labor to be incorrect. This has been corrected.

Combo Meal Ordering Flow Was Invalid After Last Item Void
CR ID #: N/A
SCR #: 37482

Previously, when ordering a Combo Meal that did not have the side item's default set for the current order type, it was possible to ring in the Combo Meal and then use 'Last Item Void' and be allowed to complete the meal without fulfilling all of the required side items. This has been corrected.

Checks With Many Service Rounds Can Cause An Error
CR ID #: N/A
SCR #: 37514

Previously, when opening a check with a large number of rounds the error message 'Check Detail Read failed' could appear. If the system had a backup server, it could prompt for backup server mode. This has been corrected.

Menu Items With 'Effective To' In The Past Can Cause POS Operations to Not Respond

CR ID #: N/A
SCR #: 37598

Previously, if a check had a menu item with an 'effective to' date that was in the past and then POS Operations was reloaded, the user would not be able to pickup the check. POS Operations would appear to lock up, displaying the hour glass symbol as if it was busy. This has been corrected.

Printing

Slip Printing Supports Special on Demand

CR ID #: N/A
SCR #: 37346

There is a new method of slip printing called *Special On Demand*. This prints to a slip printer on demand by round. It provides the ability to not print each round except when requested by the server.

When Special On Demand is enabled, the check will always print on the first service total, even if the tender does not have the option "Print check" enabled. If the check is split, the new checks will also print right away when created. If the check is transferred, a new check will print on transfer. After the first round prints, later rounds will only print if the option "Print check" is enabled for the tender used. If more items are added and printed, the new items are appended to bottom of the existing check.

The following option has been created in the *POS Configurator | Employees | Employee Classes | Printing* tab:

- Special On Demand

Known Limitation: Slip Printing with Automatic Discounts
CR ID #: N/A
SCR #: 37298

When using a slip printer and automatic discounts, the only printing method supported is "On Demand". The print modes "Special by Round", "By Round", and "Special On Demand" are not supported with slip printers and automatic discounts.

Product Management

Support 3 Decimal Places For All Fields
CR ID #: N/A
SCR #: 37509

Previously, Product Management (PM) supported 3 decimal places in some, but not all fields. Now, if both the computer and database are configured for 3 decimal places, PM will support 3 decimal places in all fields except for adjustments. The adjustments field is used for both percentages and amounts and therefore only allows 2 decimal places.

Reports

Undispatched Checks Would Not Appear as Unassigned in Driver Delivery Report
CR ID #: 28840
SCR #: 37357

Previously, if a check was undispatched, the Driver Delivery Report would not show that the check was unassigned. This has been corrected.

Daily RVC Discount Report Could Show Incorrect Authorizing Employee

CR ID #: 28493
SCR #: 37513

Previously, if an employee picked up another employee's check and then applied a discount that required manager approval, the Daily Revenue Center Discount Detail report would show the transaction employee as the authorizing employee. This has been corrected.

Secure Desktop

Secure Desktop Could Start With Classic Security Prompt

CR ID #: 27940
SCR #: 37446

Previously, if the secure desktop application launched before the database had been started, it would default to using classic security regardless of which security method was actually configured. This has been corrected. Now the system is able to determine the correct security mode even without a database connection.

Maintenance Release 1

What's Revised?

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Revisions Summarized

The table below summarizes the revisions included in this Maintenance Release.

Module	Revision	CR ID/ SCR	Page
Autosequences & Reports	Autosequences that Took Longer than 'Max Idle Time' Would be Cancelled	27870/ 37017	21
Cash Management	Could Not Assign Till While in SAR	N/A/ 37046	22
Database	Clients Were Getting Stuck While Waiting for MdsHost.xml File	N/A/ 36911	22
Delivery Dispatch	General Functionality Changes	N/A/ 36907	22
	Delivery Dispatch Now Retains the Last Operator Selected View	N/A/ 36916	23
	Promise Time Dialog Keyboard Issues	N/A/ 36917	24

Module	Revision	CR ID/ SCR	Page
Delivery Dispatch Cont.	The Ability to Hook into Custom Procedures to Calculate Delivery Time Has Been Added	N/A/ 36932	24
Guest Services Solutions	General Functionality Changes	N/A/ 36907	25
	Address Finder Functionality Exceeded Memory Capacity of WS4	N/A/ 36890	25
	Check Status and Collection Status Dialog Would Not Show Time at Prep Done	N/A/ 36927	25
	GSS Promise Time Prompting Issue	N/A/ 36928	26
	GSS Data Service Has Been Added to the Windows Firewall Exception List	N/A/ 37028	26
	GSS Data Service Will Not Run if GSS is Not Enabled	N/A/ 37050	26
	Large Amounts of Error Messages Would Be Logged If GSS Was Not Enabled	N/A/ 37363	26
Kitchen Display System	Display New Order Notification Would Not Work Properly	28330/ 37105	27
Labor Management	Changing an Employee's Job While They Were Clocked In Would Result In Incorrect Tip Share Report Totals	27949/ 36805	27

Module	Revision	CR ID/ SCR	Page
Menu Board	Menu Board Would Exit or Remain on Blank Screen	27886/ 37185	27
	Menu Board Would Exit Due to Memory Leak	27886/ 37281	28
MX870	MX870 Would Not Allow for Custom Payment Confirmation Form	N/A/ 36922	28
POS Configurator	Weight in Ounces is Now Supported	N/A/ 37282	28

Module	Revision	CR ID/ SCR	Page
POS Operations	Could Not Cancel a Check After a Declined Authorization	28109/ 36888	29
	Unable to Scroll Down When Condiments Would Span More Than One Page on the Build Screen	82195/ 36955	29
	Tax Shift Would Not Work if the Parent Menu Item was Modified	28223/ 36969	29
	Voiding a Discount Would Leave a Partial Discount	28457/ 37004	30
	Display Would Not Revert to Default Touchscreen When Revenue Center was Configured to Pring Receipts on Demand	28281/ 37015	30
	Reopen Closed Check Would Cause Backup Server Mode Prompting	28295/ 37024	31
	Selecting Next Tray on Workstation 5 Would Cause POS Operations to Shut Down	28194/ 37043	31
	SLU Items Would Overlap Other Touchscreen Objects	28181/ 37044	31
	Warning 'Memory Low' Would Display on Workstation 5	28328/ 37048	31
	POS Operations Would Fault When Doing a Database Reload	28458/ 37049	32

Module	Revision	CR ID/ SCR	Page
POS Operations Cont.	Auto Sign Out While Using ISL Inputkey Function Would Corrupt Internal State	N/A/ 37108	32
	Check Detail Would Not Update if the Menu Item Key Had a Next Screen Programmed that was the Current Screen	28513/ 37177	33
	Promise Time Would Affect Fire Time	N/A/ 37196	33
	Menu Items which Triggered an Automatic Discount Would Display a Build Screen When Programmed Not To	28599/ 37274	33
	Check Number Would Show Up as Zero on the Add/Transfer SLU Screen	N/A/ 37309	33
	Was Not Possible to Change Menu Level of Scanned Items	24703/ 37356	34
	Touchscreen Flow Has Been Improved	28671/ 37310	34
Report Viewer	Support to Change Passwords Has Been Added	N/A/ 36971	34
Reports	Consolidated SYS Time Period Summary w/Graph, TP_S204.rpt, figures were incorrect.	16637/ 36987	35
	'Return/Void Reason Code' Report Would Show the Employee's Name Who Transferred the Check	28023/ 36899	35
	Discounts Would Show Up for the Wrong Employee After a Check Transfer	28024/ 36900	35

Module	Revision	CR ID/ SCR	Page
Scheduling	Access Violation When In Module Scheduling.exe	26997/ 37179	36
Transaction Services	Updating the Check ID via the POS API was not Possible	N/A/ 37184	36
	Parent Menu Items and Condiments Would Not Properly Consolidate	N/A/ 37290	36
	ResPosAPI_EPayment Authorization Code Was Not Being Sent to POS Operations	28741/ 37333	37

Revisions Detailed

Autosequences & Reports

Autosequences that Took Longer than 'Max Idle Time' Would be Cancelled
CR ID #: 27870
SCR #: 37017

Previously with Enhanced Security enabled, if an autosequence took longer than the configured Max Idle Time and was executed interactively from the Autosequences & Reports application, the application would timeout and the autosequence would be aborted. This has been corrected so that the application will not timeout during the execution of the autosequence.

Cash Management

Could Not Assign Till While in SAR
CR ID #: N/A
SCR #: 37046

Previously, while POS Operations was in SAR mode a till could not be assigned. This has been corrected.

Database

Clients Were Getting Stuck While Waiting for MdsHost.xml File
CR ID #: N/A
SCR #: 36911

Previously, after running a RES patch, some of the clients would be left 'waiting for host file,' preventing POS Operations from starting. This has been corrected.

Delivery Dispatch

General Functionality Changes
CR ID #: N/A
SCR #: 36907

With this maintenance release, the Delivery Dispatch form has been updated to show the number of delivery/Takeout orders in the heading and Delivery/Takeout buttons.

Delivery Dispatch and POS Operations have both been updated to allow for the Driver Availability to be altered from the Delivery Dispatch Driver Status dialog.

Note   *The new button on the Driver Status dialog will display as 'Driver Available' or 'Driver busy' depending on the state of the driver. If the driver is currently busy, the button will display as 'Driver Available'. If the driver is currently available, the button will display as 'Driver Busy'.*

If the 'Driver Available' button is pressed, the system will require that the driver enter their ID number, swipe their mag card, or use the finger print scanner. This is to prevent a manager from setting a driver as available even though they have not yet arrived back at the store. The use of 'Driver Busy' does not require the driver to be present.

Delivery Dispatch Now Retains the Last Operator Selected View
CR ID #: N/A
SCR #: 36916

With this maintenance release, after Delivery Dispatch executes, it will remember the last display configuration and use it until the operator manually changes it.

When Delivery Dispatch is first executed for a particular workstation, the following will be displayed:

◆   If the columns are configured to show for Delivery and Takeout, then the default will be to 'Display All'

◆   If the columns are configured to show for Delivery, then the default will be to 'Display Delivery'

◆   If the columns are configured to show for Takeout, then the default will be to 'Display Takeout'

Promise Time Dialog Keyboard Issues

CR ID #: N/A
SCR #: 36917

With this maintenance release, issues with the Promise Time and the get Delivery Time dialogs have been corrected. They now properly handle:

◆ Operator Prep Time Adjustment

◆ Hour/Minute Edit Control - highlighting when the Hour/Minute information is not valid

◆ Only display the promise time in the dialog title area if the promise time information is valid

The Ability to Hook into Custom Procedures to Calculate Delivery Time Has Been Added

CR ID #: N/A
SCR #: 36932

With this maintenance release, the ability to use a Database Custom hook when calling MICROS.sp_UpdateEmplDDAvailStatus () procedure was added. This allows a restaurant to determine their own method for setting the MICROS.chk_dispatch_dtl 'approx_delv_tm' when a driver returns after making a delivery.

The CUSTOM procedure is responsible for setting the following three fields if it is implemented:

◆ MICROS.chk_dtl   'distribution_status'

◆ MICROS.chk_dispatch_dtl 'driver_return_tm'

◆ MICROS.chk_dispatch_dtl 'approx_delv_tm'

Note   *The creator of the CUSTOM procedure should review the CORE version for most of the functionality. For an example procedure, please contact your MICROS Representative.*

Guest Services Solutions

General Functionality Changes
CR ID #: N/A
SCR #: 36907

With this maintenance release, the GSSOps and Database have been updated to allow for a custom database script to be used when calculating the Promise Time.

Address Finder Functionality Exceeded Memory Capacity of WS4
CR ID #: N/A
SCR #: 36890

Previously, the GSS Address Database was taking up a large amount of memory, particularly when the Postal Address File (PAF) contained a large amount of address information. This would leave little room for other applications and would prevent some applications from loading, such as delivery Dispatch.

With this maintenance release, a GSSDataService.exe program that resides on the MICROS server has been implemented. This service hosts the GSS Address Database and responds to requests from each client using GSS.

Check Status and Collection Status Dialog Would Not Show Time at Prep Done
CR ID #: N/A
SCR #: 36927

Previously, the Delivery Dispatch Check Status and Collection Status dialogs were not displaying the timing information when the check was Prep Done. This has been corrected.

GSS Promise Time Prompting Issue

CR ID #: N/A
SCR #: 36928

With this maintenance release, the application was modified to consider if the operator has previously accepted a promise time. With this modification, it will not flow through the traditional delayed order dialog if a tender is used that is not configured to prompt for a promise time and the order is not configured to prompt for a promise time.

GSS Data Service Has Been Added to the Windows Firewall Exception List

CR ID #: N/A
SCR #: 37028

With this maintenance release, GSS Data Service is included in the windows firewall exception list.

GSS Data Service Will Not Run if GSS is Not Enabled

CR ID #: N/A
SCR #: 37050

With this maintenance release, if the system is not configured to use GSS, then the GSS Data Service will exit after the system achieves the Back of House state.

Large Amounts of Error Messages Would Be Logged If GSS Was Not Enabled

CR ID #: N/A
SCR #: 37363

Previously if GSS was not enabled, the GSS Data service would log many 'Internal Error' messages when the server booted up. This has been corrected.

Kitchen Display System

Display New Order Notification Would Not Work Properly
CR ID #: 28330
SCR #: 37105

Previously, when Menu Item Class color schemes and Background Highlight overrides were programmed, the New Order notification 'blinking' could change to a condition where the text and background colors were the same. This would cause an unreadable block of text in the menu item and modifier text fields. This has been corrected.

Labor Management

Changing an Employee's Job While They Were Clocked In Would Result In Incorrect Tip Share Report Totals
CR ID #: 27428
SCR #: 36988

Previously, if an employee's job type was changed while clocked in, the tip share report would have show incorrect information. With this maintenance release, a user is now prevented from making job type changes to a clocked in employee.

Menu Board

Menu Board Would Exit or Remain on Blank Screen
CR ID #: 27886
SCR #: 37185

Previously, when certain network or communication errors would occur, the application would stop functioning normally. This has been corrected. With this maintenance release, the application will now resume its normal operation.

Menu Board Would Exit Due to Memory Leak

CR ID #: 27886
SCR #: 37281

Previously, the menu board application would shut down after 3 days due to a memory leak. This has been corrected.

MX870

MX870 Would Not Allow for Custom Payment Confirmation Form

CR ID #: N/A
SCR #: 36922

Previously, if the MX870 was configured to use a custom Payment Confirmation Screen, the system would not respond when the prompts were selected. This resulted in the transaction having to be canceled. This has been corrected.

POS Configurator

Weight in Ounces is Now Supported

CR ID #: N/A
SCR #: 37282

With this maintenance release, weight in ounces is now supported. A 'Weight' group box has been created in the *POS Configurator | System | Restaurant | Options* tab. Three radio button options are available: Pounds, Ounces, and Kilograms. Weight in Pounds will be the default unless configured otherwise.

In the Tare Weight field, located in the *POS Configurator | Sales | Menu Items | Price* tab, placement of the decimal point is determined by which weight is configured.

 ◆ If the weight is in pounds, then only two digits are allowed after the decimal point

 ◆ If the weight is in kilograms, then only three digits are allowed after the decimal point

 ◆ If the weight is in ounces, then only one digit is allowed after the decimal point.

Manual Weight Entry will also enforce the maximum number of decimals, per *System | Restaurant | Options | Weight* setting.

POS Operations

Could Not Cancel a Check After a Declined Authorization
CR ID #: 28109
SCR #: 36888

Previously if a Credit Card Authorization was declined, the user would be prevented from canceling the transaction or the check. This has changed with this maintenance release. Only approved authorizations will prevent users from canceling the transaction or the check.

Unable to Scroll Down When Condiments Would Span More Than One Page on the Build Screen
CR ID #: 82195
SCR #: 36955

Previously when using Conversational Order Mode, if a menu item had enough allowed condiments so that more than one page was required to view them, the next page would not display when selecting the down arrow button. Once in this state, the user could select condiments from the first page but it would not change to the 'selected' state and would not appear on the check. Selecting 'Everything' would clear this state so that more condiments could be added. This has been corrected.

Tax Shift Would Not Work if the Parent Menu Item was Modified

CR ID #: 28223
SCR #: 36969

Previously, applying a Tax Shift to a menu item that had condiments associated with it would result in the wrong tax amount. This has been corrected. With this maintenance release, the Tax Shift function can now be applied to the last item rung, even if the last item had condiments associated with it or was a Combo Meal.

Voiding a Discount Would Leave a Partial Discount

CR ID #: 28457
SCR #: 37004

Previously, attempting to void a discount (Open $ Disc) from a check and choosing [Clear], [OK], or entering an invalid Authorization Code when prompted, would cause another Authorization prompt to occur. If a valid Authorization Code was entered for the subsequent prompt(s), only part of the discount would be voided. This has been corrected.

Display Would Not Revert to Default Touchscreen When Revenue Center was Configured to Pring Receipts on Demand

CR ID #: 28281
SCR #: 37015

Previously, if a Revenue Center was configured to print customer receipts on demand, POS Operations would remain on the current screen when the guest check was final tendered instead of reverting to the default screen as defined in the POS Configurator. This has been corrected.

Reopen Closed Check Would Cause Backup Server Mode Prompting
CR ID #: 28295
SCR #: 37024

Previously, POS Operations would prompt to enter Backup Server Mode if reopening a closed check that had been closed to a credit card tender. Note, this prompt would occur after adding a menu item, performing an error correct, and then service totaling the check again. This has been corrected.

Selecting Next Tray on Workstation 5 Would Cause POS Operations to Shut Down
CR ID #: 28194
SCR #: 37043

Previously on a Workstation 5, if a user selected the [Tray Totals] button and then selected [Next Tray], POS Operations would receive an application error: '`Application ops.exe encountered a serious error and must shut down.`' This has been corrected.

SLU Items Would Overlap Other Touchscreen Objects
CR ID #: 28181
SCR #: 37044

Previously, when declaring a ModifierArea or CondimentArea after the declaration of a TouchscreenArea that had a Touchscreen Identifier of zero or no Touchscreen Identifier specified, the display would miscalculate the number of columns and rows available for drawing the SLU keys causing SLU items to overlap other touchscreen objects. This has been corrected.

Warning 'Memory Low' Would Display on Workstation 5
CR ID #: 28328
SCR #: 37048

Previously when under certain conditions, switching screens would cause a memory leak that eventually led to displaying a warning message. This has been corrected.

POS Operations Would Fault When Doing a Database Reload

CR ID #: 28458
SCR #: 37049

Previously when under certain conditions, POS Operations would fault when doing a database reload. This has been corrected.

Auto Sign Out While Using ISL Inputkey Function Would Corrupt Internal State

CR ID #: N/A
SCR #: 37108

Previously, if an ISL script was prompting for user input and the auto sign out time had expired, the user would be signed out of POS Operations. When this would happen, the internal state of POS Operations would be corrupted and could lead to unexpected behavior. This could include the application performing an illegal operation and exiting unexpectedly. This has been corrected.

With this maintenance release, if the auto sign out time expires while an ISL script is prompting for user input, the prompt for input will be dismissed as though the user had pressed the [Clear] key.

Note   *It may be necessary to update existing ISL scripts to properly handle the user pressing the [Clear] key.*

As a general guideline, and ISL script using the Inputkey function should handle the user pressing either the [Clear] key or the [Cancel] key. For more information on the Inputkey function, please refer to the SIMHelp.chm for me details.

Once the ISL script is dismissed, the auto sign out timer will be restarted. If the terminal remains idle, when the timeout expires for a second time the user will then be signed out.

Check Detail Would Not Update if the Menu Item Key Had a Next Screen Programmed that was the Current Screen

CR ID #: 28513
SCR #: 37177

This has been corrected.

Promise Time Would Affect Fire Time

CR ID #: N/A
SCR #: 37196

Previously, setting the promise time of a check to a time in the future would result in the check being automatically considered as a delayed order. When this happened, the menu items on the check would not fire to the order devices until the calculated time. With this maintenance release, this is now controlled by the option bit 'Disable Promise Time Delay' configured in the *POS Configurator | System | Order Types | General* tab.

Menu Items which Triggered an Automatic Discount Would Display a Build Screen When Programmed Not To

CR ID #: 28599
SCR #: 37274

Previously when menu items which triggered an automatic discount were selected, a build screen could be displayed even when the option 'Suppress Build Screen' in *Menu Item Classes | General Options* was enabled. The build screen would display when a second menu item was rung in, not on the first. This has been corrected.

Check Number Would Show Up as Zero on the Add/Transfer SLU Screen

CR ID #: N/A
SCR #: 37309

Previously if the option 'Show MI on open check SLU' was enabled, when transferring a check from one revenue center to another, the check number(s) would show up as zero on the add/transfer SLU screen. This has been corrected.

Was Not Possible to Change Menu Level of Scanned Items

CR ID #: 24703
SCR #: 37356

Previously after scanning an item with a barcode scanner, it was not possible to use the menu level select main level function. The error 'Invalid Detail Selected For Desired Function' would appear. This has been corrected.

Touchscreen Flow Has Been Improved

CR ID #: 28671
SCR #: 37310

Previously, there were issues with the flow of touchscreens when using the [Clear], [Enter] and [Previous] keys. Sometimes if using the [Clear] or [Enter] buttons from a numeric touchscreen, instead of the expected result, nothing would happen.

Also, it was possible to use the [Previous] key to go back to either the 'Sign In' screen, or the 'Table Object' screen. Due to the screen configurations, the user could be stuck on those screens.

With this Maintenance Release, the screen flow has been improved so that results are consistently correct from number pad screens. Also, users are now prevented from using the [Previous] key to go back to the 'Sign In' and 'Table Object' screens.

Report Viewer

Support to Change Passwords Has Been Added

CR ID #: N/A
SCR #: 36971

Previously, if a user tried to log in to the Report Viewer and their password had expired, the user would have been unable to log in. With this maintenance release, the user will now be prompted to change their password.

Reports

Consolidated SYS Time Period Summary w/Graph, TP_S204.rpt, figures were incorrect.
CR ID #: 16637
SCR #: 36987

Previously, the net sales figure on this report could be wrong. This has been corrected.

'Return/Void Reason Code' Report Would Show the Employee's Name Who Transferred the Check
CR ID #: 28023
SCR #: 36899

Previously, the authorizing employee's name did not display in the 'Return/Void Reason Code' report. The employee's name who the check was transferred to incorrectly showed on the report. This has been corrected. Now, the authorizing employee's last name and the employee's object number display in the 'Return/Void Reason Code' report.

Discounts Would Show Up for the Wrong Employee After a Check Transfer
CR ID #: 28024
SCR #: 36900

Previously, a discount would show up for the wrong employee on the RVC Discount Reports after a check transfer had been made. The discount would show up on the 'Daily Revenue Center Discounts' and on the 'Daily Revenue Center Discounts Detail' reports for the employee who transferred the check, but not for the employee who applied the discount. This has been corrected.

Scheduling

Access Violation When In Module Scheduling.exe
CR ID #: 26997
SCR #: 37179

In previous versions, right-clicking to activate a pop-up menu would result in the application crashing. This has been corrected.

Transaction Services

Updating the Check ID via the POS API was not Possible
CR ID #: N/A
SCR #: 37184

In previous versions, it was possible that the check ID would not be able to be updated via the POS API. This would result in the following error in the 3700d.log

```
RESDBS | 0 | SQL Execution error [sp_AddIdToChk]: Open on System |
```

The code that set the check ID field was always appending a NULL, even when the check ID length was already at 16. When this would occur, the num_check_info_entries field would also be set to NULL. This would cause the check detail read failure with checks in revenue centers with number of info lines greater than zero. This has been corrected.

Parent Menu Items and Condiments Would Not Properly Consolidate
CR ID #: N/A
SCR #: 37290

Previously, when rung from the API, combo meals were not consolidating correctly on guest checks and remote order printers. This has been corrected.

ResPosAPI_EPayment Authorization Code Was Not Being Sent to POS Operations
CR ID #: 28741
SCR #: 37333

Previously, when performing a manual credit card authorization through the API, the manually entered authorization code was not correctly being inserted into the check detail and printed on the voucher. This would cause API to ignore the manual_auth_code field of the request and instead insert the auth_code (returned in the credit authorization response) into the check detail. This has been corrected.