



*Restaurant Enterprise Solution
(RES) Version 4.7
ReadMe First*

About This Document

ReadMe First is a comprehensive guide to the new features, enhancements, and revisions added since the Version 4.6 release of the MICROS Restaurant Enterprise Solution (RES) software.

This document contains updates to the Version 4.7 release of the MICROS Restaurant Enterprise Solution (RES) software.

*******IMPORTANT*******

In RES 4.7 there is a new dependency on the file WinHTTP.dll. This file is not included in the Windows NT operating system. Consequently, RES 4.7 and higher will no longer run on Windows NT. Windows NT clients are not supported.

For clarity, information is divided into self-contained chapters, reflecting the additions and modifications made to the following RES products:

- ◆ 3700 Point-of-Sale (POS) System
- ◆ Kitchen Display System (KDS)
- ◆ Guest Service Solutions (GSS)
- ◆ Cash Management (CM)
- ◆ Labor Management (LM)
- ◆ Product Management (PM)
- ◆ Financial Management (FM)
- ◆ RES Platform

Within each section, product information is organized as follows:

- ◆ What's New
- ◆ What's Enhanced
- ◆ What's Revised

Each section begins with an introduction and includes a table that summarizes the features and functionality incorporated in this version of the software. The table provides hypertext links to supplementary text and graphics about the selected topics.

For more information on these features, and step-by-step instructions for configuring them, refer to the product's Online Reference Manual, available from the MICROS website.

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3700 POS

What's New

A new feature is defined as one that provides capabilities that were not available in previous versions of the application.

New Features Summarized

The table below summarizes the new features included in this version.

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New Features Detailed

Credit Cards

Limit of Eight Credit Card Authorizations per Check has been Removed

CR ID #: N/A

SCR #: 36128

With this release, RES v. 4.7 has significantly increased the number of credit card authorizations allowed per check. Previously, RES supported up to eight credit card authorizations per check.

To ensure enough memory is available to tender the check, the number of credit card authorizations is limited by the maximum detail entries per check, configured in the *POS Configurator / RVC / RVC Transaction / Checks/Receipts* tab / 'Maximum detail entries per check' field.

When the maximum detail entries per check has been reached, the error message, 'Transaction File Full' will display. When this error occurs, some credit card authorizations on the check must be finalized and closed before conducting more credit card authorizations.

To support this functionality, the ISL variable @CCAUTH_COUNT can now return a number larger than eight. Note that this change could affect existing ISL scripts.

POS API

Support for Future Orders Added

CR ID #: N/A

SCR #: 36348

In order to better support the creation of orders via the Transaction API, Future Order checks are now supported.

To support this feature, a new 'Future Check' option has been introduced to the ResPosApi.ResPosAPI_GuestCheck.CheckStatusBits that allows the RESPOSAPI to recognize that a check is intended to be a future order. The check also needs the CheckDateToFire to be set just like would be done for a Delayed Check with the date to fire allowed to be beyond the current business date. A check can be set as a future order only for new orders. The date/time of the future order can be altered but the date must remain in the future.

Note that the API will specifically prevent Credit Card payments for Future Order checks, but the API developer should be careful with other tenders on Future Order check, particularly those tenders that are associated with authorization requests which might not be valid by the time the check is to be provided to the customer.

POS Configurator

'Refund Edit Closed Check' Function Introduced

CR ID #: N/A

SCR #: 36125

With this release, the new 'Refund Edit Closed Check' function has been added in order to facilitate the tracking of refunds to a closed check. This function allows the manager to open a closed check and touch void one or more previously entered items without requiring the final tender to be removed. The system will provide the change due to the customer without needing to alter the final tender, reducing the time it takes to perform a refund.

If a check in Refund mode is service totaled before any changes are made, the check will be closed. If changes have been made, then the service total button will function as expected. After changes have been made, the operator can either hit the **[Refund Previous Tender]** button or tender as they choose. Items voided while in Refund mode will be reported to the existing VoidReason.rpt along with other voids. The new RefundReason.rpt will report only those voids conducted while in Refund mode.

A new key, **[Refund Previous Tender]**, has been introduced that can be used to final tender checks in Refund mode. This key will automatically void a previous credit card tender and then apply the new correct tender amount. If the original payment method was cash, then POS Operations will display the amount to be refunded to the customer and print the change due on the check.

If the total due increases during a refund of a check tendered to cash (due to added items), the **[Refund Previous Tender]** key will not function because it does not support over tendering; the check must be tendered as normal. Tenders linked to a Property Management Interface (PMS) are not supported by the **[Refund Previous Tender]** key. The operator can still refund PMS tenders, but they must do it manually.

If the 'No edits of previous days checks' option is enabled, the Refund Edit Closed Check will prevent checks from a previous day from being manipulated.

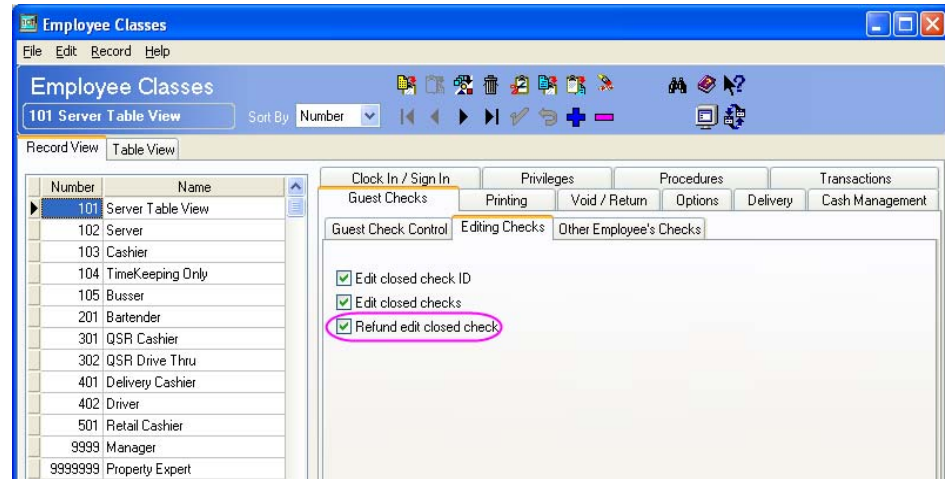
Touchscreen Key Codes

Three new key codes have been added to facilitate the Refund Edit Closed Check operations:

1. **Refund Edit Closed Check** (Function: Check Access)
2. **Refund Edit Closed Check by Table** (Function: Check Access)
3. **Refund Previous Tender** (Function: Transaction)

User Permission Configuration

To enable this option bit, navigate to the *POS Configurator / Employees / Employee Classes / Guest Checks* tab / *Editing Checks*, and check the 'Refund edit closed check' option.



Employee Totals Key Code Introduced

CR ID #: N/A

SCR #: 36551

With this release, the new Employee Totals key code (786459) has been introduced. This key code displays the Employee Totals Dialog Box, which includes employee name, current cover count, total cover count, total checks and total sales. To configure the key, select the 'Function Employee Totals' key from the Function TMS category.

Menu Items Restricted from Being Declared as Waste

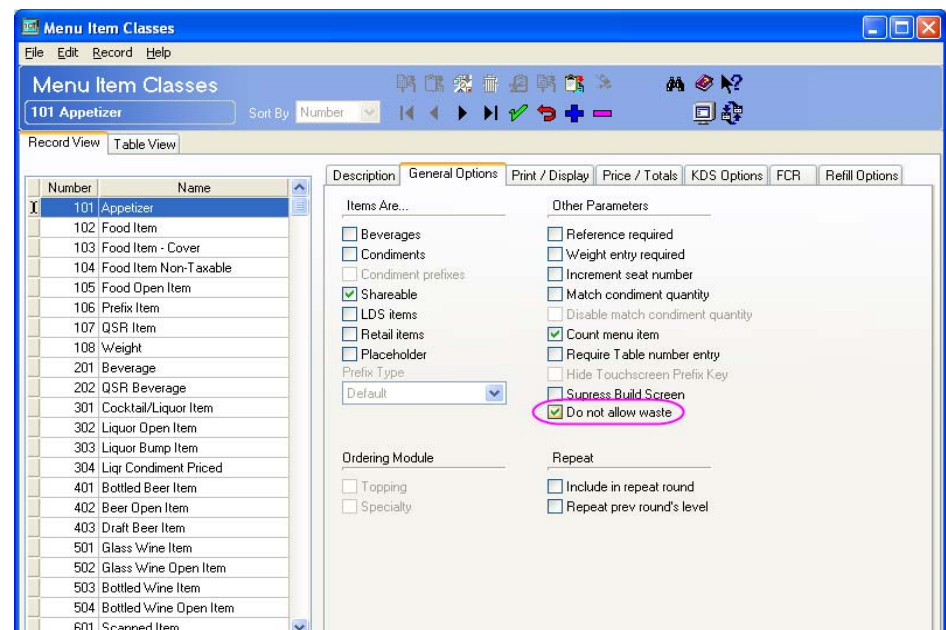
CR ID #: 26979

SCR #: 36043

A new option bit has been introduced that allows restaurants to restrict selected menu items from being declared as waste. This feature facilitates better cost control by preventing some items, such as a kid's meal toy or coupon book, from being declared as waste.

Configuration

Navigate to the *POS Configurator* / *Sales* / *Menu Item Classes* / *General Options* tab.



- ◆ *Do not allow waste*- Enable this option to restrict menu items in this class from being declared as waste while in Product Management Waste Mode. When enabled, if the operator attempts to declare a menu item in the restricted class as waste directly, as part of a combo meal, or via automatic combo recognition, the operation will be prevented and the error message, 'Menu Item is Not Allowed in Waste Mode' will display. Disable this option to allow menu items in this class to be declared as waste.

For more information on the corresponding Product Management option, see "Inventory Items are Prevented from Being Declared as Waste" on page 128.

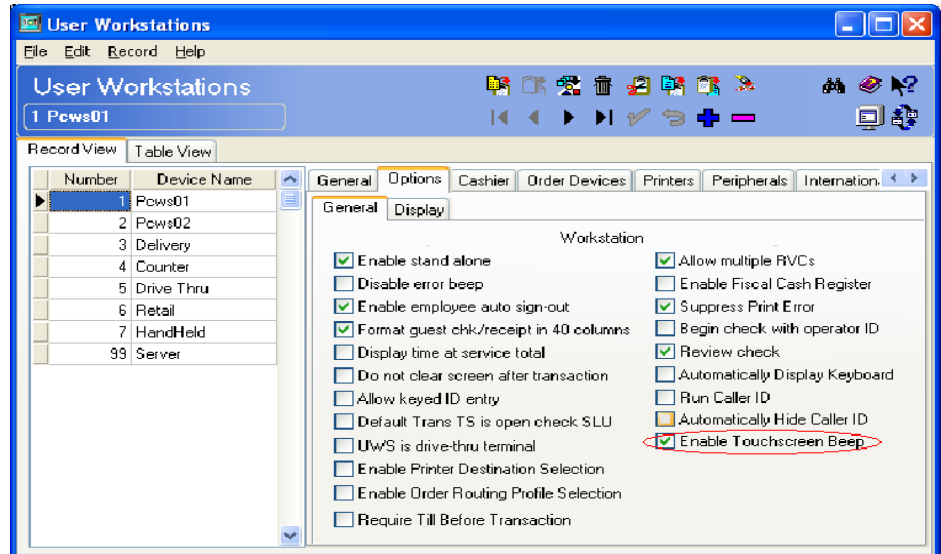
'UWS Enabled Touchscreen Beep' Option Introduced

CR ID #: N/A

SCR #: 36665

With this release, a new option bit, 'Enable Touchscreen Beep' has been introduced to the *POS Configurator / Devices / User Workstations / Options* tab.

When this option is enabled, POS Operations will beep when a touchscreen button is pressed. The workstation will not beep when in Manager Procedures or in Cash Management operations. Note that this feature is not supported on Mobile MICROS Handheld (MMH) devices.



Employee Store Assignment By Store Group

CR ID #: N/A

SCR #: 36764

With this release, an employee can be subscribed to a 'Store Group' rather than just an individual store in an EM managed environment. In *POS Configurator | Employees | Employee Setup | Store Assignment* tab, a new button has been added called 'Store Group Assignment' to assign employees to a store group. Refer to the 'Restaurant Enterprise Solution Enterprise Management 4.7 Read Me First' documentation (MD0009-081) for further details on this new feature.

POS Operations

Employee Name Added to Assign Existing Till Screen

CR ID #: 26980

SCR #: 36046

The name of the assigned employee now appears on the Assign Existing Till screen. This functionality helps managers to easily distinguish between the tills and determine who the till is assigned to when deciding which till to select. Previously, only the till number, till name, and time opened appeared on the screen.

Note: The assigned employee name will only display with the tills selected from the Existing Till list ('Assign Existing Till' function).

'Display in Touchscreen Detail' Option Added

CR ID #: N/A

SCR #: 36212

The new option *Sales / Menu Item Class / Print/Display / Display in Touchscreen Detail* has been added to the POS Configurator. This option allows the selection of either Name 1 or Name 2 to display in the check Detail area on the touchscreen.

Forced Beverage Control Introduced

CR ID #: N/A

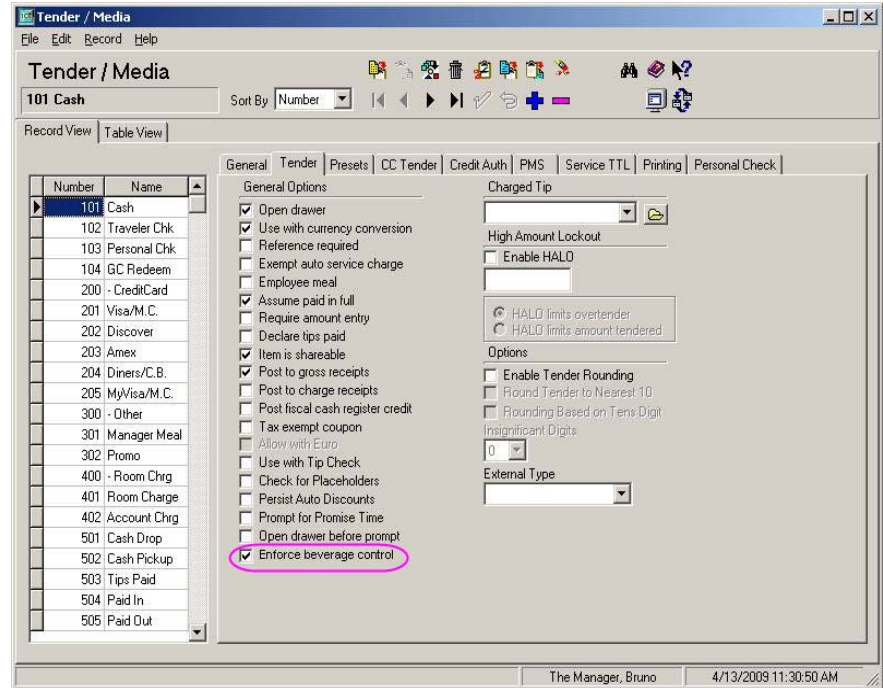
SCR #: 36147

The new Forced Beverage Control feature ensures that a drink is rung in for each guest who has ordered food by preventing the operator from printing or closing the check until the beverage count matches the guest count. This feature is useful for sites who want to ensure that all ordered items have been rung in and drink orders have not been accidentally forgotten.

Configuration

To support this feature, three new options have been introduced in the POS configurator:

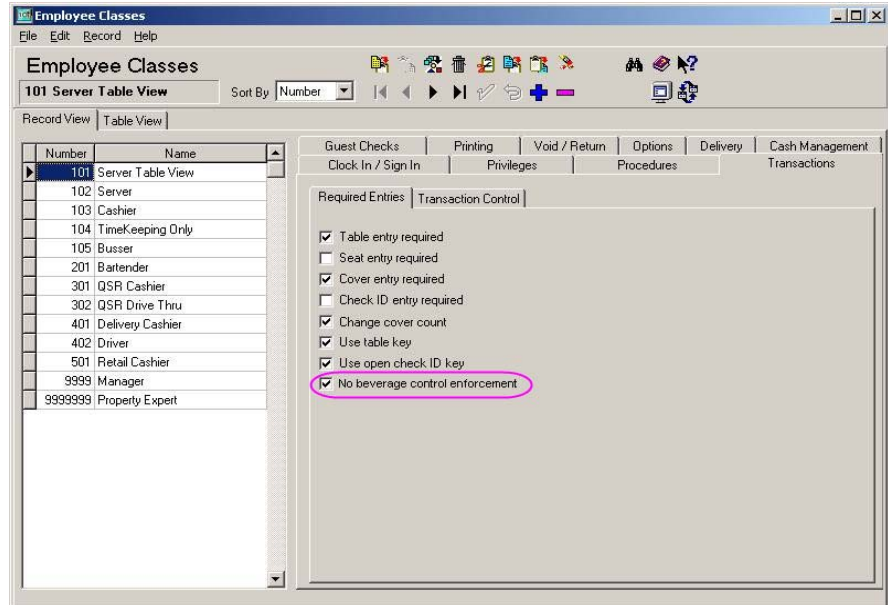
- ◆ *Sales / Tender/Media / Tender tab / 'Enforce beverage control'* - Enable this option to require a beverage to be entered for each guest who has ordered food before the operator can print or close the check.



When this option is enabled, the following prompt displays when the guest count does not match the number of beverages on the check, 'No Beverage Entered' or 'Only X Beverage for Y Guests', where X equals the number of beverages and Y equals the number of guests who have ordered food. After pressing [OK], the operator must ring in additional beverages until the beverage count matches the guest count before the check can be printed or closed. This option defaults to disabled.

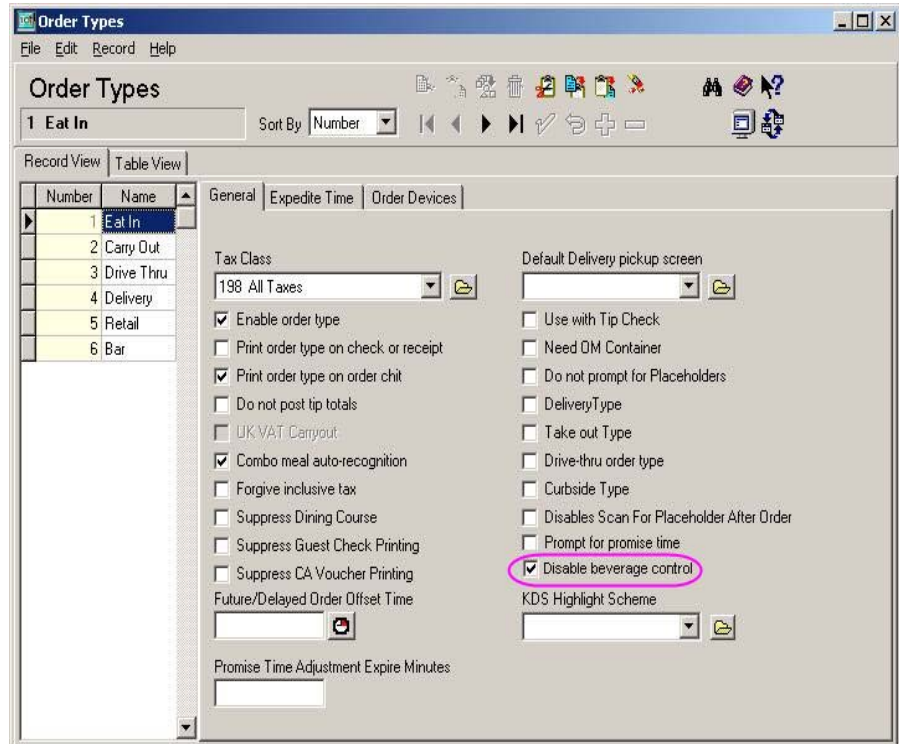
When this option is disabled, beverage control will not be enforced. The following prompt displays when the guest count does not match the number of beverages on the check, 'No Beverage Entered' or 'Only X Beverage for Y Guests?', where X equals the number of beverages and Y equals the number of guests who have ordered food. After pressing [YES], the operator can print or close the check even if the beverage count does not match the guest count. After pressing [NO], the operator can ring in additional beverages but is not required to do so.

- ◆ *Employees / Employee Classes / Transactions / Required Entries tab / 'No beverage control enforcement' - Enable this option to disable the forced beverage control feature for this employee class.*



When this option is enabled, the following prompt will display when the guest count does not match the number of beverages on the check, 'No Beverage Entered?' or 'Only X Beverage for Y Guests?', where X equals the number of beverages and Y equals the number of guests who have ordered food. After pressing [YES], the operator is allowed to print or close the check even if the beverage count does not match the guest count.

- ◆ *System / Order Types / General tab / 'Disable beverage control'* - Enable this option to disable the forced beverage control feature for this order type.



This option can be useful for Delivery, Takeout, and Curbside order types that do not need to prompt for beverage control messages. Note that this option disables beverage control for this order type, not just the enforcement that a tender might require.

Transactions Allowed after Service Total

CR ID #: N/A

SCR #: 36044

With this release, certain actions, such as changing condiments and upsizing/downsizing combo meal menu items, are allowed after the check has been service totaled. This feature helps prevent loss control by limiting the types of transaction allowed after the service total.

To support this feature, conversational ordering has been updated to differentiate between major and minor conversational ordering mode changes and, for some operations, to either always allow the change or use a different employee permission to proceed.

- ◆ A **major** change occurs when a change is made to a previous round item that causes the price to decrease.
- ◆ A **minor** change occurs when a change is made to a previous round item that causes the price to increase.

Changes will not be tracked if the price is not adjusted (e.g., when adding or removing lettuce from a burger).

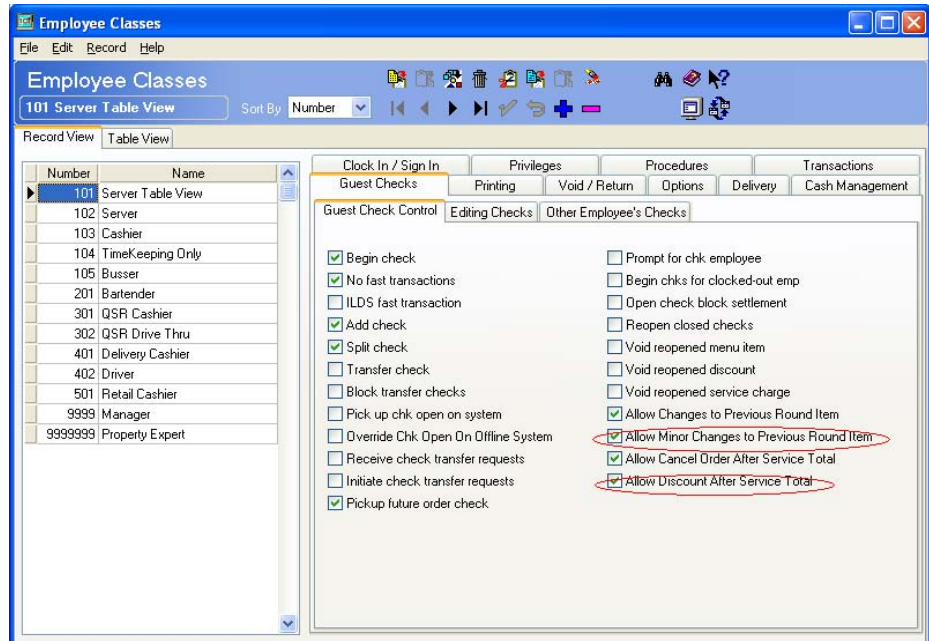
Use the table below to view how major and minor changes are classified for each conversational ordering operation.

Operation	Price	Change	Example
Priced Condiment	Increase	Minor	Minor change: Adding Cheese at a cost of \$.30 to a burger.
	Decrease	Major	
Upsize/Downsize	Increase	Minor	Major change: Changing a large soda to a small soda.
	Decrease	Major	
Combo/A la Carte	Increase	Minor	Major change: A value meal is ordered and the check is service totaled. The customer then orders a milkshake but changes his mind and now only wants the value meal. The milkshake is deleted off the check.
	Decrease	Major	
Swap	Increase	Minor	Minor change: Replacing the Chicken Sandwich at a cost of \$4.50 with a Chicken Tenders at a cost of \$5.00
	Decrease	Major	

The quantity of a menu item ordered in a previous round can always be increased. Decreasing the quantity of a menu item ordered in a previous round will be considered a Previous Round Menu Item Void.

Employee Privileges

Two new employee privileges have been added to *POS Configurator / Employees / Employee Classes / Guest Checks / Guest Check Control* tab to control the transactions allowed after service totalling a check. These options are enabled by default.



- ◆ *Allow Minor Changes to Previous Round Item*- Enable this option to allow this employee class, usually managers or cashiers, to make minor changes (i.e., add a priced condiment that increases the menu item's price) after the check has been service totaled. Disable this option to prevent this employee class from making minor changes after the check has been service totaled.
- ◆ *Allow Discount After Service Total*- Enable this option to allow this employee class, usually managers, to add a discount or coupon after the check (with detail other than check information lines) has been service totaled. Disable this option bit to prevent this employee class from applying a discount or coupon after the check has been service totaled. Automatic discounts and discounts that are added as a result of an existing coupon on the check are not affected by this option bit.

Future Order Pick-up by Check Introduced

CR ID #: N.A

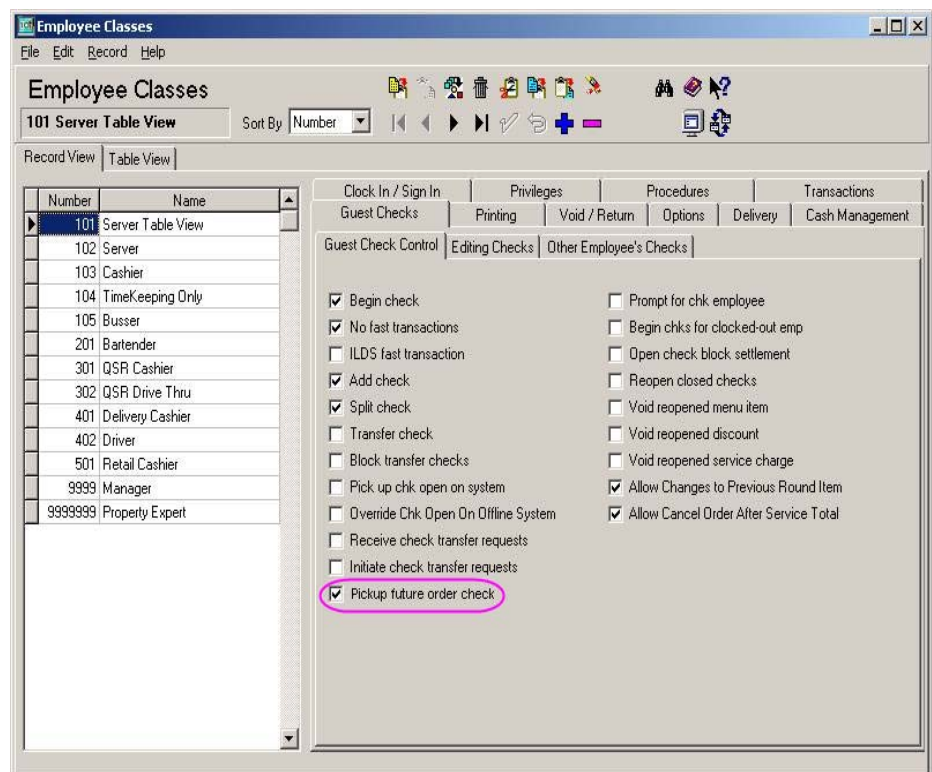
SCR #: 36126

RES now offers a way to pickup a future order by check number via a touchscreen key. Previously, a future order SLU (limited to the first 500 orders) was the only way of picking up a future order check.

The new Future Order SLU touchscreen key, programmed from the Function Check Access category, allows the operator to pickup an existing Future Order Check by check number.

Employee Privilege

To support this new feature, a new 'Pickup future order check' privilege has been introduced to the *POS Configurator / Employees / Employee Classes / Guest Checks / Guest Check Control* tab.



When this option is enabled, this employee class is allowed to pickup a future order check. Disable this option to prevent this employee class from picking up a future order check.

This option is disabled by default. This option bit also controls the pre-existing ability to pick up a future order from the future order SLU.

To access this function create a touch screen button linked to Function: Check Access - Pickup Future Check by Number.

Quote Time Calculator Introduced

CR ID #: N/A

SCR #: 36166

The new Quote Time Calculator allows a restaurant employee, such as a 'To Go Specialist,' to quote the guest a time when his to go order will be ready for pickup. This feature allows the 'To Go' employee to properly set the customers expectations as to when the order will be ready.

Use Cases

Example 1

The 'To Go' employee has taken an order over the phone, enters the order at the POS, and uses the service total key. The system displays a Promise Time dialog with the required prep time included in the promise time calculation.

Because the order is being placed at lunch time, the kitchen has quite a few orders that need to be prepared. The quoted time has taken this into account and the item that would normally require 5 minutes to prepare is quoted as taking 10 minutes.

Example 2

The restaurant is short staffed in the kitchen and all orders are taking longer than normal to prepare. The 'To Go' employee takes an order and because the orders are taking on average 30% longer to prepare, the promised time of 10 minutes is quoted as being 13 minutes.

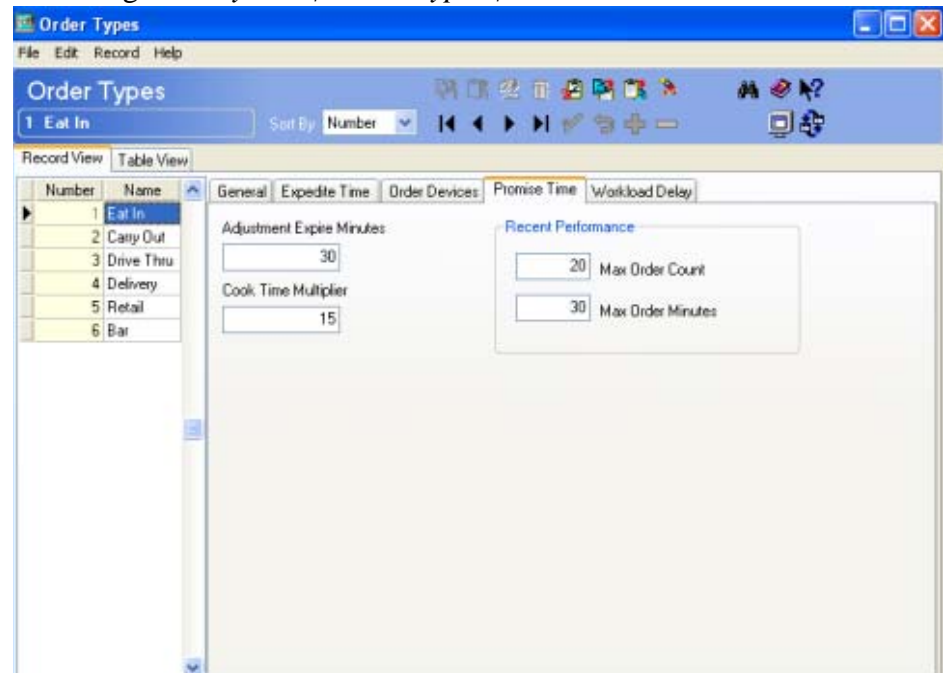
Example 3

The 'To Go' employee takes an order for a party. The menu items ordered include 10 Club Sandwiches, 3 Buffalo Wings, and 2 Cheese Pizzas. The sandwiches normally take 3 minutes each, the wings normally takes 6 minutes each, and the pizzas normally take 10 minutes each. With 10 minutes being the Longest Prep Time, 10 minutes would normally be the quote time. Because the check has a total of 15 items, the quoted time takes this into account and adds 15 seconds for each item ordered. This makes the promise time equal to 13 minutes 45 seconds or 14 minutes when rounded to the nearest minute.

Configuration

The following options have been added to the POS Configurator to support this feature:

- ◆ Navigate to *System / Order Types / Promise Time* tab:



- **Adjustment Expire Minutes** - Use this field to configure an expiration time for the manager preparation delay adjustment. After this time threshold is reached, the adjustment expires, and the delay will revert back to the Future/Delayed Order Offset

Time. Note, this option was moved from the General tab to Promise Time tab with this release.

- **Cook Time Multiplier** - Enter the number of seconds to add for each menu item's prep time when the item count is greater than one. For example, the cook time multiplier equals 15 seconds and the order contains 2 crab cakes (prep time = 7 minutes) and 1 shrimp cocktail (prep time = 3 minutes).

3 (the # of items in the order) * 15 seconds (the Cook Time Multiplier) = 45 seconds

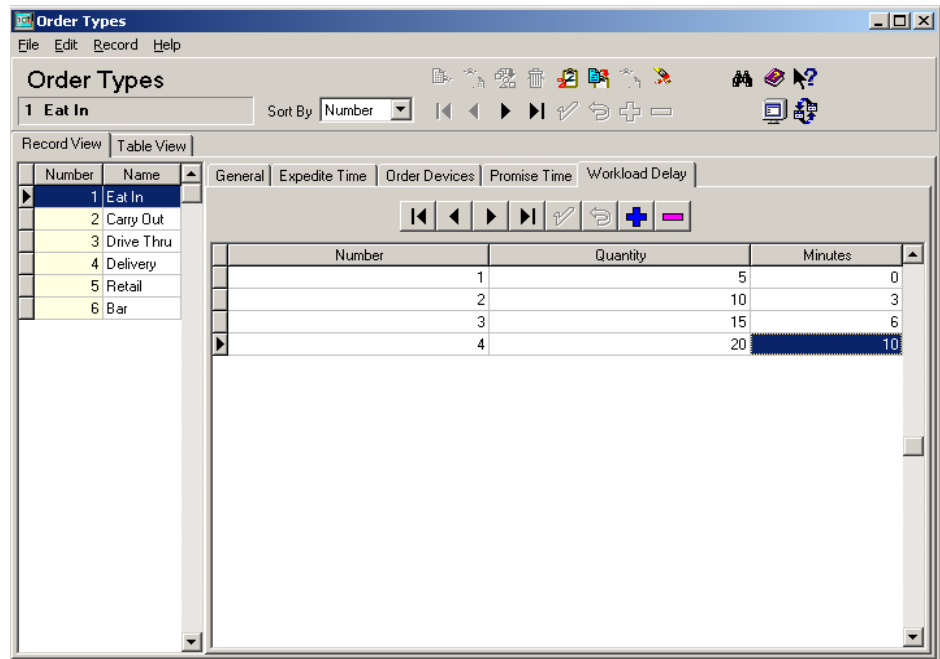
To properly quote the promise time, 45 seconds will be added to the longest prep time (in this case, 7 minutes) and will be rounded to the nearest minute, resulting in 8 minutes will be quoted to the customer.

- **Max Order Count** - Enter the maximum number of recent orders used when calculating kitchen performance. The kitchen performance is based upon the last number of orders defined in this field that have been prepared in the kitchen. Each order has an expected prep time and an actual prep time.

The difference between these values is the prep time variance. This variance is accumulated and a performance indicator is computed. When the performance indicator is showing that the kitchen is taking longer than expected to prepare the orders, each quoted prep time will be increased based upon this kitchen indicator.

- **Max Order Minutes** - Enter the maximum number of minutes an order can be in the kitchen when calculating recent kitchen performance. If an order has been in the kitchen longer than the number configured in this field, this order will not be considered when calculating the recent kitchen performance.

- ◆ Navigate to *System / Order Types / Workload Delay* tab:



- **Number Workload Delay** - This number is the object number for the record and is for informational purposes only.
- **Minutes Workload Delay** - Enter the number of additional minutes that will be added to the required prep time when the configured quantity of orders in the kitchen is reached (configured in the 'Quantity Workload Delay' field).
- **Quantity Workload Delay** - Enter the number of orders in the kitchen that will cause a workload delay. The kitchen workload is based upon the active orders in the kitchen and the delayed orders that will be fired to the kitchen. Each order will have some impact on the kitchen workload. This workload impact is then looked up by the system and the number of additional minutes (configured in the 'Minutes Workload Delay' field) required will be added to the required prep time.

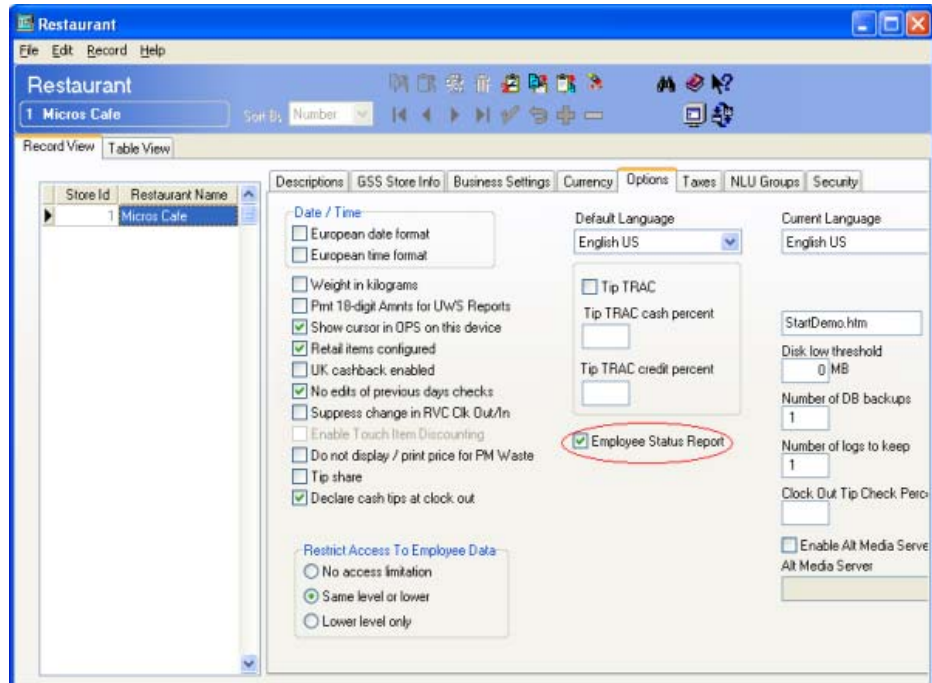
Employee Status Report Option Introduced

CR ID #: N/A

SCR #: 36156

A new option bit called 'Employee Status Report' has been added to turn this feature on or off

Navigate to *POS Configurator / System / Restaurant / Options.*



Employee Status Report - This option is only used for a custom mode of employee definitions for a custom application of export. This option is not intended for public use.

If using the custom mode of employee definitions, enable this option to display the 'ESR' (Employee Status Report) tab, and to hide other tabs based on the action selected in the ESR tab. This custom mode can be used to export changes to PeopleSoft® software via the GenerateEsrFile.exe application. This file is not installed with RES. Contact MICROS Systems, Inc Professional Services for more information.

Printing

Euro (€) Symbol Prints on Guest Checks and Customer Receipts on a Win32 System

CR ID #: N/A

SCR #: 36127

With this release, the interface to the Win32 TranslatePrint.dll that is loaded by the Micros Print Controller service has been enhanced such that it is possible to support printing of the Euro (€) Symbol to IDN printers.

Note: Only TM-T88III and TM-T88IV printers are capable of printing the Euro.

Kitchen Printing of Individual 'To Go' Order Type Items Introduced

CR ID #: N/A

SCR #: 36165

RES now allows the runner chit printers to print a chit for each individual item depending on order type, for example, the 'To Go' order type. The chit(s) will print upon completion of the item by the cook (when the cook bumps the item from the KDS monitor). Menu Items ordered in quantity will not print individually.

If the item is routed to multiple cook stations, the chit will print when it is bumped from the last KDS station it remains on. If runner chit printers are assigned by KDS order device, the chit(s) will print to the runner chit printer assigned to the last KDS the item is bumped from.

Configuration

To use this feature, enable the following options in the POS Configurator:

- ◆ *Devices | Order Devices | KDS | Options | 'Item print on item all prep done'* - This option is intended for prep stations only and will have no effect on Expo or SOS KDS displays

- ◆ *System / Order Types / General / 'KDS allow Item print on item all prep done'*

Note *Both new options must be enabled for this feature to work.*

SIM

'@FiscalKey' ISL Variable Introduced

CR ID #: N/A

SCR #: 36132

With this release, the new '@FiscalKey' ISL variable has been added to support Fiscal Printing. This variable can be used to read and write the contents of a new MICROS.chk_dtl 'fiscalkey' column. This column supports 64 characters and can be used to designate a unique relationship between the guest check number and the fiscal invoice number. The key will remain unchanged if checks are added to it and it will not transfer to split checks.

A new '@RODInfoLin[]' variable has also been added that can be used to read and write the contents of the existing MICROS.chk_dtl 'REMOTE_ORDER_DEVICE_INFO_LINES(1-4)' columns. All four remote order device columns support 32 characters.

'@CashDrawer' and '@CashDrawerStatus' ISL Variables Added

CR ID #: N/A

SCR #: 36368

With this release, the new '@CashDrawer' and '@CashDrawerStatus' ISL variables have been added. These ISL variables support the system's interaction with a Fiscal Cash Register by improving the speed in which the cash drawer opens.

The '@CashDrawer' variable is read only and is used to retrieve the cash drawer assigned. This variable will return the following:

- ◆ No Cash Drawer Assigned = 0
- ◆ #1 Drawer Assigned = 1
- ◆ #2 Drawer Assigned = 2

The '@CashDrawerStatus' variable is used to retrieve or set the cash drawer status. This variable can be configured as:

- ◆ ENABLED = 0
- ◆ DISABLED = 1: When the Cash Drawer Status is set to Disabled, the cash drawer will not open when performing tender operations)
- ◆ TEMP_ENABLED = 2: When the Cash Drawer Status is set to Temp Enabled, the cash drawer will open during a tender operation, but will be set to Disabled after the tender operation completes.
- ◆ TEMP_DISABLED = 3: When the Cash Drawer Status is set to Temp Disabled, the cash drawer will not open during a tender operation, but will be set to Enabled after the tender operation completes.

'Include' Command Supported in ISL Scripts

CR ID #: N/A

SCR #: 36049

With this release, the 'Include' command has been added. This command includes another file within an ISL script, allowing the inclusion of sections of ISL code within the main ISL program. This feature is useful for: including common pieces of code between scripts, including configuration variables, and dividing code into smaller files.

Syntax

Include *file_name*

Remarks

- ◆ The file name must be surrounded by quotes and use Windows naming conventions and pathnames. String variables are not allowed.

```
include "\micros\res\pos\etc\script.isl" \\correct
include "script.isl" \\correct
include \\incorrect
```

- ◆ If the file name is not absolute or relative, (it does not start with a ‘\’ or a ‘.’), the ISL will attempt to read the file from the *\Micros\Res\Pos\etc* directory. Example:

```
include "\micros\res\pos\etc\script.isl" \\ always read
from\micros\res\pos\etc\ include "script.isl" \\ will
attempt to read from \\ \micros\res\pos\etc\
```

- ◆ The **Include** command is processed when the script is read from memory, not when the script is executed. In the following example, the include file will always be read in, even though the expression in the IF statement is FALSE.

```
if 2 > 3
include "myfile.isl"
endif
```

- ◆ All **Include** commands are always executed.
- ◆ Include files may be nested. That is, it is possible to include files within a file that is being included by another script. This nesting can occur for up to ten files. Note that if a file attempts to include itself, the ISL will read in the file “into itself” up to ten times, and then display an error.
- ◆ The ISL will keep track of the file modification date for all files that were read in, therefore, if an included file has been modified, the entire script will be read again on the next event.
- ◆ If a syntax error occurs in the main script, then the line number will reference the main script. But if an error occurs in an included script, the error message will contain the line number, as well as the file name that caused the error.

Example

The following example reads in two files (keydefs.isl and common.isl) before executing event 1:

```
include "\micros\res\pos\etc\keydefs.isl"  
include "common.isl"  
event inq:1
```

What's Enhanced

An enhancement is defined as a change made to improve or extend the functionality of the current 3700 POS application. To qualify as an enhancement, the change must satisfy the following criteria:

- ◆ The basic feature or functionality already exists in the previous release of the software.
- ◆ The change adds to or extends the current process. This differs from a revision (i.e., a bug fix) which corrects a problem not caught in the previous release of the software.

Enhancements Summarized

The table below summarizes the enhancements included in this version.

Module	Feature	Page
Database	Menu Item Price Sequence Number Expanded	31
Manager Procedures	Dashboard Approaching OT Listed Employees in no Particular Order	32
Menu Board	Menu Board Viewer Registry Settings	32
Order Confirmation Board	MICROS Order Confirmation Board Supported by RES	33
POS Operations	Consolidate Fixed Price Meals and FPM Courses on Guest Checks/Receipts	33
	Added Option to Control Messaging when Course Complete	33
	Combo Meal Enforces Menu Item Limited Availability	34
Reports	POS Time Added to Revenue Center Delivery Speed of Service Report	35

Module	Feature	Page
Table Management System (TMS)	[Toggle Table Select] Clears Selections in Host Mode	35
	Scroll Arrows Display in the TMS Quick View Legend when Themes are Enabled and an 800 x 600 Resolution is Used	35
	Employee/Section Table Assignment 'More' Screen Enhanced	36
	Quick View Enhanced to Easily View Employee Section Assignment	37

Enhancements Detailed

Database

Menu Item Price Sequence Number Expanded

CR ID #: N/A

SCR #: 36315

Previously, the Menu Item Sequence Number was limited to 9,999,999 in the MI_PRICE_DEF table. With this release, the limit has been increased to two billion for MI_PRICE_SEQ.

The following RES 'Store Procedures' have been affected:

- ◆ SPEO_R_MI_INFO
- ◆ SP_COPYMIPRICE

The following EM 'Store Procedures' have been affected:

- ◆ SPEM_GETMIEFFFROMDATE
- ◆ SPEM_MENU_ITEM_RPT
- ◆ SPEM_FL_TAX_RPT

The following RES 'Table Columns' have been affected:

- ◆ MI_PRICE_DEF.MI_PRICE_SEQ
- ◆ EM_PENDING_PRICE_CHANGE_LOG.MI_PRICE_SEQ
- ◆ NOTIFY_EVENT_TEMP.SECONDARY_SEQ

Manager Procedures

Dashboard Approaching OT Listed Employees in no Particular Order

CR ID #: 22338

SCR #: 30321

Previously, Dashboard Approaching OT listed employees in no particular order. Now, Dashboard Approaching OT has been enhanced to list employees in alphabetical order by first name.

Menu Board

Menu Board Viewer Registry Settings

CR ID #: N/A

SCR #: 36632

The Menu Board Viewer registry settings (HKLM | Software | Micros | 3700 | Menu Board) are:

- ◆ RefreshRate - DWORD; Overrides how often a request for updates is made to the server.
- ◆ ShowCursor - DWORD; Set to 1 to Display Application Cursor.
- ◆ Resolution - String in format cx, cy; Used to display Menu Board Viewer in a window that can span multiple monitors.

- ◆ Monitor - DWORD; The number of the primary monitor the window will be displayed on.
- ◆ HideCaption - DWORD; Set to 1 to hide the title bar of the Menu Board Viewer when used in conjunction with the Resolution setting.

Order Confirmation Board

MICROS Order Confirmation Board Supported by RES

CR ID #: N/A

SCR #: 36129

With this release, the MICROS Order Confirmation Board (OCB) is now supported. To install the MICROS OCB, please refer to Appendix H of the RES 4.7 Install Document.

POS Operations

Consolidate Fixed Price Meals and FPM Courses on Guest Checks/Receipts

CR ID #: N/A

SCR #: 36437

With this release, RES now supports the consolidation of Fixed Price Meals (FPM) on guest checks and customer receipts. If the FPM courses are printed to the check/receipt (depending on RVC Print Design option), they are consolidated as well.

Added Option to Control Messaging when Course Complete

CR ID #: N/A

SCR #: 36437

Added the new option, 'FPM Suppress continue course if course complete' to the *POS Configurator / Revenue Centers / RVC Transactions / General* tab.

When this new option is enabled, if a Fixed Price Meal (FPM) course is completed and the course key is selected, an informational message will prompt the operator that the 'Course Selection is Completed' and pressing [OK] will remove the message and return the operator to the current touchscreen. When this new option is disabled, if a Fixed Price Meal (FPM) course is completed and the course key is selected, a message will prompt the operator that the 'Course Selection is Completed, Continue Course Entry?' and prompts 'YES or NO'. Pressing [NO] will remove the message and return the operator to the current touchscreen. Pressing [YES] will display the course SLU touchscreen.

Also, messaging has been updated so that the Course Name that has its selection completed will now display. So instead of the generic message, 'Course Selection is Completed, Continue Course Entry?', the message will now substitute the actual name of the course, such as 'Appetizer Selection is Completed, Continue Course Entry?'.

Combo Meal Enforces Menu Item Limited Availability

CR ID #: N/A

SCR #: 36186

Combo meals will now allow items to be used if menu item limited availability is enabled. (*Sales / Menu Items / Options / 'Check Availability'*). Previously, if a Combo meal item had 'Menu Item Availability' enabled, an error message would be displayed and the combo meal could not be ordered.

Also, 'Menu Item Availability' is now supported with Conversational Ordering Mode; previously, 'Menu Item Availability' was ignored if Conversational Ordering Mode was enabled.

Reports

POS Time Added to Revenue Center Delivery Speed of Service Report

CR ID #: 27278

SCR #: 36309

A new field titled, 'POS Time' has been added to the RVC Delivery Speed report to represent the POS Interaction Time. This measures the amount of time it took to add the menu items to the system without including the time between service rounds.

Table Management Service (TMS)

[Toggle Table Select] Clears Selections in Host Mode

CR ID #: N/A

SCR #: 36474

When using the new *Quick View table Status* tab, each table clicked on remains selected. Rather than have to manually un-select each of those tables after viewing each table's status, the user can simply click the **[Toggle Table Select]** button. When in Host Mode, the **[Toggle Table Select]** button will automatically un-select all selected tables.

Scroll Arrows Display in the TMS Quick View Legend when Themes are Enabled and an 800 x 600 Resolution is Used

CR ID #: N/A

SCR #: 36493

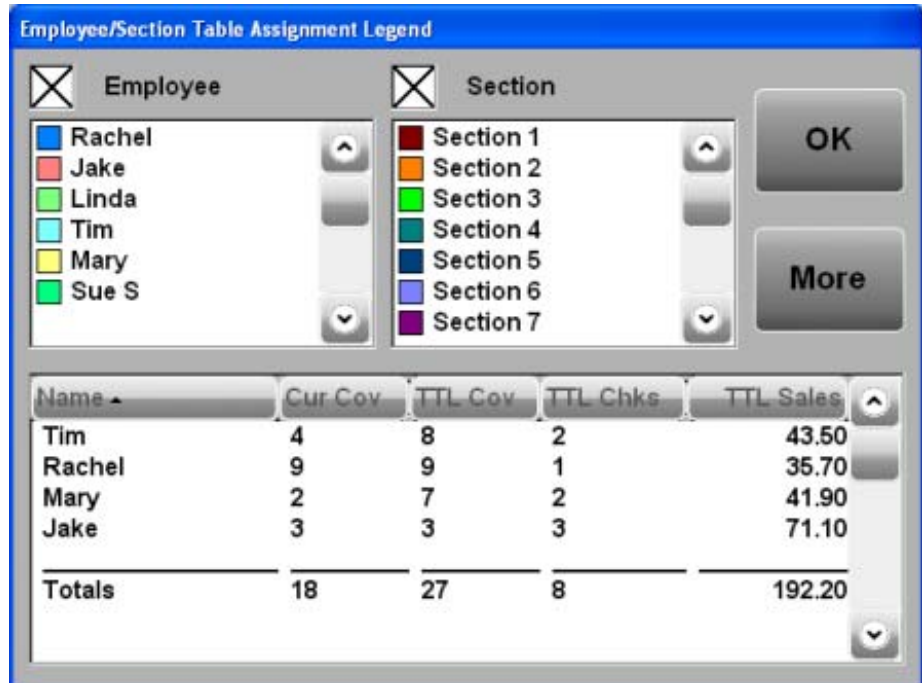
When using TMS with themes and a resolution of 800 x 600, there is not always enough space to render all three tabs. In this case, scroll arrows are displayed. A resolution of 1024 x 768 or higher is recommended for clients running TMS.

Employee/Section Table Assignment 'More' Screen Enhanced

CR ID #: N/A

SCR #: 36159

With this release, the 'More' section has been enhanced within the Display Employee Section Table Assignment Legend to include sorting and a line total to the bottom of the column list.



The columns were modified as follows:

- ◆ Clicking on the column header will toggle sorting of the list data from lowest to highest. An arrow will appear next to the column header, indicating the sort column and its direction.
- ◆ The totals for each column will be displayed at the bottom and are unaffected by sorting.

Quick View Enhanced to Easily View Employee Section Assignment

CR ID #: N/A

SCR #: 36492

Quick View has been enhanced so that the operator can at a glance view the employee section assignment to easily determine which employee is assigned to each table.

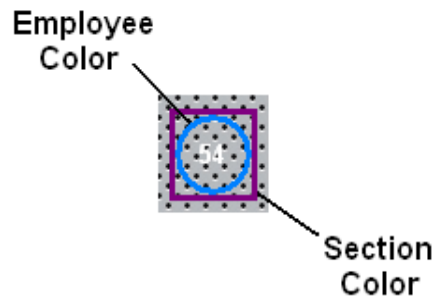
Screen Layout

The following image shows the TMS Legend on the POS Operations table layout screen. The touchscreen templates are 119 Tables Legend and 120 Tables Waitlist Legend (used for Hostess mode).



Employee/Section Table Colors

































Using the Legend, a table may be drawn with an employee color circle or section color rectangle.



The employee and section colors are hard coded in the POS Operations application and cannot be changed. There are 16 different colors for employees and 16 different colors for sections, as seen below.

Rotating Employee Colors

Rotating Section Colors

 255, 128, 128	 128, 0, 0
 255, 255, 128	 255, 128, 0
 192, 255, 192	 0, 255, 0
 0, 192, 128	 0, 128, 128
 192, 255, 255	 192, 128, 0
 0, 128, 255	 128, 128, 255
 255, 128, 192	 128, 0, 128
 255, 192, 255	 255, 0, 128
 255, 0, 0	 255, 255, 255
 255, 255, 0	 128, 128, 128
 228, 228, 192	 128, 128, 0
 128, 192, 192	 0, 128, 0
 0, 255, 255	 0, 0, 255
 0, 128, 192	 0, 0, 128
 128, 128, 192	 192, 192, 192
 255, 0, 255	 128, 0, 255

Buttons

Show/Hide Section

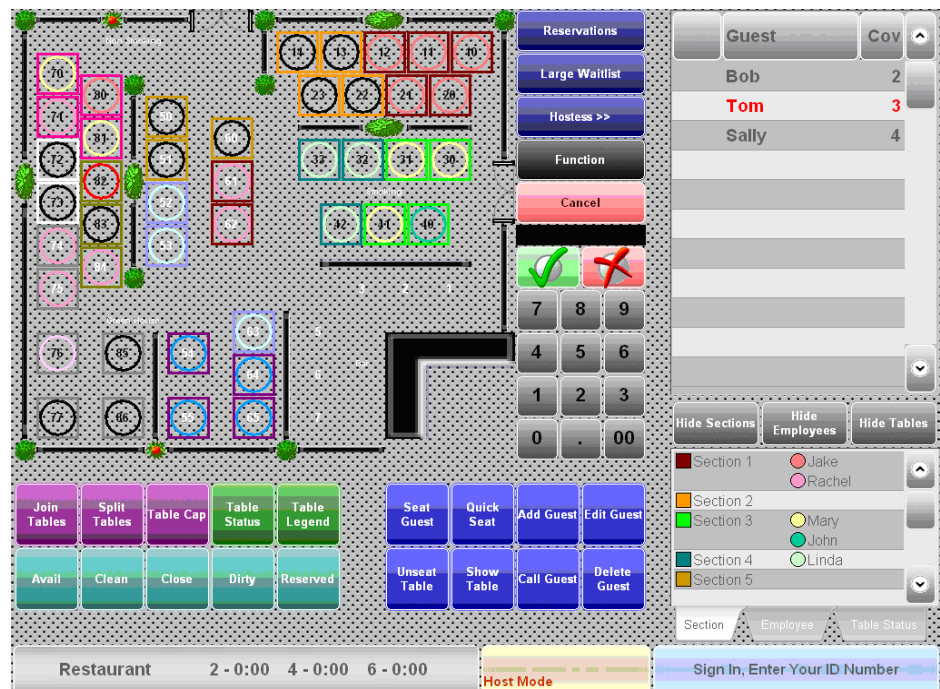
The Show/Hide Section button toggles the display of the section colors on the table objects. The section color square is displayed behind the table icon. When enabled, the table status alert color is disabled.

Show/Hide Employee

The Show/Hide Employee button toggles the display of the employee colors on the table objects. The employee color circle is displayed behind the table icon. When enabled, the table status alert color is disabled.

Show/Hide Tables

The Show/Hide Tables button toggles the display of table and table status icons. The Selected and Highlighted Table icons, as well as icons on touchscreen buttons, will continue to be displayed.



Tabs

Section

The section tab shows the color assigned to the section that is used for display, the employees assigned to that section, and the color assigned to the employee.



Clicking on a row in the Section list will draw a square around the table when the Show Sections button has been selected. Multiple sections may be selected at a time.

The employees color circle may also be drawn when the Show Employees button has been selected. When no sections are selected, all of the sections will be drawn on the touchscreen. Clicking the Section tab when already activated will clear all of the selections in the Section list.

Employee

The Employee tab shows the color assigned to the employee that is used on the display.



Clicking on a row in the Employee list will draw a circle for only the selected employee. Multiple employee's may be selected at a time. When no employees are selected, all of the employees will be drawn on the touchscreen. Clicking the Employee tab when already activated, will clear all of the selections in the Employee list.

Table Status

The Table Status tab displays the current status of the selected table. This feature is enabled when Host Mode or Table Select is active.



What's Revised

A revision is defined as a correction made to any existing form, feature, or function currently resident in the 3700 POS software. To qualify as a revision, the change must satisfy the following criteria:

- ◆ The basic form, feature, or functionality must be part of the previous version of the software.
- ◆ The change must replace the current item or remove it from the application.

Additionally, all reported issues that are deemed to be BY DESIGN are included in this section as well. These issues will contain the preface **BY DESIGN** in front of the feature name.

Revisions Summarized

The table below summarizes the revisions included in this version.

Module	Revision	CR ID/ SCR	Page
Cash Management	Transferring the First Cash Pull to a Deposit Would Mix Up the Following Cash Pull	27949/ 36732	49
Control Panel	[Reboot All] Reboots RDC Clients as Expected	N/A/ 35984	50
	Control Panel Shortcut Reopens Control Panel When Minimized	N/A/ 36835	50
Database	'Clear All Totals' did not Reset autoIncrement Values to One	N/A/ 36346	50
Delivery Dispatch	Drivers do not need to be Clocked in to be Displayed in the Delivery Dispatch Drivers Screen	25982/ 35354	51
Distributed Services Manager (DSM)	DSM did not Update the Registry on the Server	N/A/ 35763	52

Module	Revision	CR ID/ SCR	Page
Licensing	Duplicate Tabs no longer Appear in the 3700 License Manager	N/A/ 35830	52
	License Manager Imports Codes from a .TXT File with Capitalization	N/A/ 35782	52
Manager Procedures	Quick Counts Failed to Print	25174/ 34325	53
Menu Board	Menu Board Viewer Displayed a Blank White Screen	N/A/ 36432	53
Order Confirmation Board (OCB)	'Display Voids' no Longer Supported in OCBServer	N/A/ 36391	53
Peripherals	Menu Items Display Too Slowly on a MX870 Device	27168/ 36273	54
Property Management System (PMS)	Transaction Cancel is no longer Allowed After Voiding a Room Charge	25028/ 34196	54
POS API	Time Printed on the POS API Output is Correct	N/A/ 36413	55
	BY DESIGN: Delayed or Future Order Checks will not Enforce Valid Date/Time Values	N/A/ 36439	55

Module	Revision	CR ID/ SCR	Page
POS Configurator	Tender/Media Table View Drop-down Now Lists Credit Card Drivers Properly	25454/ 34763	55
	Touchscreen Designer TMS Drop-Down Selections are Alphabetized	N/A/ 36390	56
	'Declare Cash Tips Only' Option Affected Tips Incorrectly in the PPEmpEarningsSummary.rpt	21578/ 28895	56
	Smart Keys could not be Configured with SIM/PMS Inquiries	26260/ 35623	56
	Touchscreen Designer Takes A Long Time to Open	27203/ 36282	57
POS Operations	'@TMDTYPE' ISL Modified to Include all Option Fields	N/A/ 36365	57
	Changing Menu Levels Causes 'Invalid Menu Level' Error for Credit Card Lookup	25896/ 35281	57
	Incorrect Discount Total Prints on Guest Checks when an Automatic Discount is Applied	26217/ 35582	58
	ILDS Items Not Posted to the Guest Check when Using Certain Cover Count Options	N/A/ 36316	58
	Menu Levels Change After Selecting [Change RVC No Sign Out]	25167/ 34318	58
	'Hide Condiment Prefix' Only Supported when Using Conversational Ordering	N/A/ 36272	59

Module	Revision	CR ID/ SCR	Page
POS Operations continued	Removing Secondary Toppings in Ordering Module did not Update the Check Detail	26380/ 35720	59
	Sixteen-Character Device Names Caused POS Operations to Exit When Using OCB	26386/ 35731	59
	Using Void Validation Sometimes Caused POS Operations to Unexpectedly Exit	26517/ 35829	60
	Printed Guest Check for Web API Orders Differed from POS Operations Client	N/A/ 35835	60
	COM Substituting Mapping Sometimes Displays the Condiments Incorrectly	26740/ 35965	61
	Declare Order Type After Suppress Build Menu Item Displayed the Incorrect Touchscreen and Cleared the SLU	N/A/ 36216	61
	Automatic Discounts were not Applied Correctly to Weighed Menu Items	26571/ 35865	62
	'Paid Table' Icon did not Appear on the till when the Check was Closed from a Handheld Touchscreen Device	24529/ 33580	62
	Radio Frequency Signal Strength Monitoring was not Functioning Correctly	N/A/ 36322	62
	System did not Prevent the user from Selecting Another Detail Item while the Current Menu Item still Required Minimum/Maximum Condiments	N/A/ 36288	63

Module	Revision	CR ID/ SCR	Page
POS Operations continued	'Clear Min-Max Prefix' key Incorrectly Added 'Clear (Condiment Name)' Entry to the Check Detail	N/A/ 36289	63
	First Clock in did not Update Local Employee Status	N/A/ 36402	64
	Loading Touchscreens with Table Objects Took Longer than Desired when TMS was Enabled	27648/ 36491	64
	Net Sales and Discounts did not Balance on the System Sales Report when VAT was Enabled	24081/ 32842	64
	POS Operations Performance Improvements with Themes and Background Images	N/A/ 36525	64
	VAT Tax did not Print on the Guest Check when an Automatic Service Charge was used	N/A/ 36502	65
	Incorrect VAT Calculation was used when a Discount was Applied	26243/ 35592	65
	Automatic Service Charges were not Taxed when the 'VAT by Round' or 'Post Taxable totals only' Options were Enabled	26088/ 35473	65
	Large Number of Menu Items Caused Unexpected Database Error	27338/ 36331	66
	BY DESIGN: Cannot Alter a Check with Direct Voids via Refund, Edit, Re-Open a Check Functions	N/A/ 36662	66

Module	Revision	CR ID/ SCR	Page
POS Operations continued	Minimum-Maximum Thresholds not Functioning Correctly	N/A/ 35530	67
	Substituting Combo Meal Side Items Ignored Required Condiments	27956/ 36744	67
	Beginning a Table or Running a Macro Would Cause the Screen to Flicker	N/A/ 36851	67
	Ordering with the Bulk Combo Order Button Would Cause Error	27914/ 36685	68
POS Operations API	Printed Order Output for Web API Orders Formatted Differently than POS Operations' Clients	N/A/ 35680	68
	Printing a Check via the Web API did not Print the Price for any Priced Condiments	27684/ 36530	68
POS Operations CE	Canceling a Transaction Causes Undesirable Behavior on the Workstation 4 (WS4) when using Line-by-Line Printing	19787/ 26934	69
Printing	Validation Printing Causes Problems with Slip Printers	26603/ 33730	69
	Item Discounts are not Printed when Special By-Round Printing is Enabled	26983/ 36107	70

Module	Revision	CR ID/ SCR	Page
Reports	'Adjusted by' Employee Displays Correctly in the 'Employee Time Card and Job Detail' Report	26764/ 35976	70
	Automatic Service Charge Caused Incorrect Tracking Totals	25179/ 34334	70
	Report Viewer's Idle Time is Zero Minutes if the 'Max Idle Time in Minutes' is Null	27227/ 36291	71
	'Return/Void Reason Code' Report Shows the Authorizing Employee's Name	27429/ 36372	71
	'Choose Export File' Window Missing when Attempting to Export from a Back Office Client	27291/ 36313	71
	All Export Formats are Available within the Report Explorer when Running a Report from a Back Office Client	26703/ 35953	72
	Buffer Overrun Error Occurred with more than 60 Revenue Centers	26226/ 35588	72
	Daily System Tax Report Incorrectly Showed Net Sales without VAT Tax when 'Include VAT in net sales totals' Option was Enabled	N/A/ 36640	72
	Report Viewer Timed out Before Data was Generated	N/A/ 36498	73
	Transferring Checks Between Revenue Centers Caused Incorrect Total in the Daily Revenue Center Discounts Detail Report	25489/ 34830	73

Module	Revision	CR ID/ SCR	Page
Setup	The Display Controller Attempts to Start POS Operations	N/A/ 36019	73
	Data Execution Prevention (DEP) Settings	N/A/ 36671	74
SIM	Fiscal Printer Issues with @Parent_dtl when Voids and Discounts are Applied	27049/ 36168	76
	@Dtl_status Variable Updated	N/A/ 36239	76
Table Management Service (TMS)	Table Status not Updated if Table Screen had not been Viewed	27272/ 36305	78
Transaction Analyzer	Analyzer does not Display more than one Reference Correctly on Reports	23931/ 32728	78

**Revisions
Detailed**

Cash Management

Transferring the First Cash Pull to a Deposit Would Mix Up the Following Cash Pull

CR ID #: 27949

SCR #: 36732

Previously, if the user performed a Cash Pull via POS Operations and then used the *Cash Management (CM) | Tills | Transfer Cash Pull To Deposit* function to deposit this same amount, the amount was deducted from the cash pull accumulator twice in the database. The cash pull accumulator for the till was incorrect at this point, so the next attempt to perform a Cash Pull from POS Operations resulted in the following error: 'Cash pull amount may not exceed till balance'.

This has now been corrected so that the cash pull accumulator in the database will only deduct the Cash Pull performed in POS Operations. The Cash Management 'Transfer Cash Pull To Deposit' function will have no effect on the till accumulator total and it will simply move the amount into the Deposit in Cash Management.

Control Panel

[Reboot All] Reboots RDC Clients as Expected

CR ID #: N/A

SCR #: 35984

Previously, selecting [**Reboot All**] from the Control Panel rebooted all clients except the Restaurant Display Controller (RDC) clients. This has been corrected.

Control Panel Shortcut Reopens Control Panel When Minimized

CR ID #: N/A

SCR #: 36835

Previously, when selecting the Control Panel Shortcut once the application has been minimized, the Control Panel would not reopen. The only way to reopen the form was to select the Control Panel icon from the bottom toolbar. This has been corrected.

Database

'Clear All Totals' did not Reset autoIncrement Values to One

CR ID #: N/A

SCR #: 36346

Previously, clearing all totals did not reset the autoIncrement value (Identity) to 1. This has been corrected. Now, the autoIncrement value (Identity) resets to 1.

Delivery Dispatch

Drivers do not need to be Clocked in to be Displayed in the Delivery Dispatch Drivers Screen

CR ID #: 25982

SCR #: 35354

Previously, the driver needed to be clocked in to display in the Delivery Dispatch Drivers screen. This has been corrected.

Now, the driver will appear as available in the Delivery Dispatch Drivers screen even though he is not clocked in and does not have an assigned job if the driver has been configured as available. An employee will display in the Delivery Dispatch Drivers screen, if:

1. The driver is available.
2. The driver is in the middle of a delivery.
3. The driver delivered an order that is yet to be paid.
4. If the driver does not have an assigned job via Time and Attendance, drivers will only show in the Delivery Dispatch Drivers screen if they meet the any of the above criteria.
5. Otherwise, drivers will show in the Delivery Dispatch Drivers screen if they are either clocked in or are a salaried employee that is not required to clock in. These additional drivers display in the Delivery Dispatch Drivers screen at the bottom of the list with a slightly darker driver status background.

Distributed Services Manager (DSM)

DSM did not Update the Registry on the Server

CR ID #: N/A

SCR #: 35763

Previously, if an interface was incorrectly configured, DSM sometimes did not send all CRUM jobs to the server and the following error was written to the log, 'ERROR while trying to send all jobs to [SERVER].'

When the [**Database Reload**] button was pressed in the MICROS Control Panel, the following message was also written to the log, 'Timeout encountered waiting for DSM reload done event.' This has been corrected.

Licensing

Duplicate Tabs no longer Appear in the 3700 License Manager

CR ID #: N/A

SCR #: 35830

Previously, under certain conditions the 3700 License Manager could display duplicate tabs for the installed products. This has been corrected. Now, each tab only appears once for the selected product in the 3700 License Manager.

License Manager Imports Codes from a .TXT File with Capitalization

CR ID #: N/A

SCR #: 35782

Previously, while importing a .TXT file, License Manager converted the product name and activation codes to lower case. This caused some clients to appear as unlicensed. This has been corrected. Now, the product name is not converted to lower case when imported from a .TXT file.

Manager Procedures

Quick Counts Failed to Print

CR ID #: 25174

SCR #: 34325

Previously, an error occurred when attempting to print a Quick Count report from *Manager Procedures | Other*. When this error occurred, the user was forced to close Manager Procedures. This has been corrected.

Menu Board

Menu Board Viewer Displayed a Blank White Screen

CR ID #: N/A

SCR #: 36432

Previously, with a very complex menu board, it was possible for the Menu Board Viewer to display a blank white screen. This issue occurred when IIS replied to the client that the requested data was already cached to the local machine and has not changed. This has been corrected.

Order Confirmation Board (OCB)

'Display Voids' no Longer Supported in OCBServer

CR ID #: N/A

SCR #: 36391

The 'Display Voids' configuration option bit is no longer supported in OCBServer. If this option is set to '1', within the OCBSERVER.INI file, a message will be logged (at verbosity 4 or higher) to indicate that the option is no longer supported. Direct voids always display.

Peripherals

Menu Items Display Too Slowly on a MX870 Device

CR ID #: 27168

SCR #: 36273

Previously, it could take between four to five seconds for the first menu item to appear on the MX870 OCB display when opening a new check. Also, as each item is entered in POS Operations, there was a noticeable delay, approximately 2 to 3 seconds for each item to output to the MX870 OCB display. This has been corrected and timings have now been improved so that each menu item rung in POS Operations takes approximately one second to display on the MX870 device.

Property Management System (PMS)

Transaction Cancel is no longer Allowed After Voiding a Room Charge

CR ID #: 25028

SCR #: 34196

Previously, the PMS system allowed the user to cancel a transaction from a reopened check after voiding a room charge. This action causes balance issues between OPERA and MICROS RES. The system correctly displayed the message, 'Cannot Cancel after Charge Posting' after directly voiding the room charge; however, when ringing in menu items and voiding these items directly, the system allows the user to cancel the entire transaction. This has been corrected. Now, the system does not allow the user to cancel the transaction after voiding a room charge.

POS API

Time Printed on the POS API Output is Correct

CR ID #: N/A

SCR #: 36413

Previously, when using POS API, the time printed on a guest check was incorrect when the check was printed between 12:00PM–12:59:59PM. ‘AM’ printed on the check instead of ‘PM.’ This has been corrected.

BY DESIGN: Delayed or Future Order Checks will not Enforce Valid Date/Time Values

CR ID #: N/A

SCR #: 36439

The RES POS API will not enforce valid date/time values for Delayed or Future Order checks other than to disallow Delayed Orders for a date beyond the current business date. It is the responsibility of the developer that is making use of the API to provide a correct date/time for the check. This becomes more important when the API developer is creating software that is to be hosted in one time zone and needs to create checks for other time zone(s).

POS Configurator

Tender/Media Table View Drop-down Now Lists Credit Card Drivers Properly

CR ID #: 25454

SCR #: 34763

Previously, the incorrect list of credit card drivers appeared when using Table View in the *POS Configurator / Sales / Tender/Media / Credit Auth*. After selecting the EDC driver, the Credit Auth Drivers appeared (i.e.- TVCA) in the drop-down list instead of the EDC Settlement Drivers (i.e.- TVCS). This has been corrected.

Touchscreen Designer TMS Drop-Down Selections are Alphabetized

CR ID #: N/A

SCR #: 36390

Previously, the TMS drop-down lists within the *POS Configurator / Devices / Touchscreen Designer* module were not alphabetized. Now, the TMS drop-down selections are alphabetized so the user can quickly find the desired function.

'Declare Cash Tips Only' Option Affected Tips Incorrectly in the PPEmpEarningsSummary.rpt

CR ID #: 21578

SCR #: 28895

Previously, when the option bit, 'Declare cash tips only,' (*POS Configurator / Employees / Time and Attendance / General* tab) was enabled, charge tips were incorrectly included in the Payroll Preprocessing reports. When the option bit was disabled, charge tips were not included. This has been corrected. Now, when this option bit is enabled, charge tips are not included in the Payroll Preprocessing reports.

Smart Keys could not be Configured with SIM/PMS Inquiries

CR ID #: 26260

SCR #: 35623

Previously, it was not possible to create a smart key using the 'Rule Type: Workstation' and 'Category: SIM/PMS Inquire' with an interface configured. When this issue occurred, the Interface drop-down menu was blank when saving the configuration and no interface was linked. This has been corrected.

Touchscreen Designer Takes A Long Time to Open

CR ID #: 27203

SCR #: 36282

In previous versions, opening 'Touchscreen Designer' (*POS Configurator / Devices / Touchscreen Designer*) on an EM Corporate Server could take up to two minutes to complete, consuming 100% CPU usage until fully opened. This has been corrected.

POS Operations

'@TMDTYPE' ISL Modified to Include all Option Fields

CR ID #: N/A

SCR #: 36365

In previous versions, certain Tender/ Media Definition (TMEDTYPEDEF) options were not accessible using a SIM (System Interface Module) script. This has been corrected and all Tender/ Media Definitions are now available for use with SIM.

Changing Menu Levels Causes 'Invalid Menu Level' Error for Credit Card Lookup

CR ID #: 25896

SCR #: 35281

Previously, under certain circumstances, when a credit card was defined three times to have multiple levels, changing the menu level in the transaction caused an 'Invalid Menu Level' error when performing a Credit Authorization using the 'CC Lookup' key (Auth and Pay). This has been corrected.

Incorrect Discount Total Prints on Guest Checks when an Automatic Discount is Applied

CR ID #: 26217

SCR #: 35582

Previously, when an automatic discount was applied, the check total appeared correctly on the workstation but could incorrectly print the non-discounted total amount on the guest check. This has been corrected.

ILDS Items Not Posted to the Guest Check when Using Certain Cover Count Options

CR ID #: N/A

SCR #: 36316

Previously, ILDS items did not immediately post to the guest check when the user had the 'Cover Entry Required' and 'Use Seat Count for Cover Count' enabled in *POS Configurator | Revenue Centers | RVC Seats*. When the check was service totaled and picked up, the ILDS items were then added to the check.

Now, if the check is Service Totaled without any items added, and you ring up an item on the ILDS device, that item properly appears on the Guest Check when it is picked back up.

Menu Levels Change After Selecting [Change RVC No Sign Out]

CR ID #: 25167

SCR #: 34318

Previously, when using the function button [**Change RVC No Sign Out**] on the touchscreen to sign into another RVC that has different menu levels, the menu levels did not change as expected. This has been corrected. Now, after selecting the [**Change RVC No Sign Out**] function key, the menu levels are updated accordingly.

'Hide Condiment Prefix' Only Supported when Using Conversational Ordering

CR ID #: N/A

SCR #: 36272

The *POS Configurator* / *Sales* / *Menu Item Classes* / *Print/Display* / *'Hide Condiment Prefix'* is only available when using Conversational Ordering. When enabled and using Conversational Ordering, this option filters out the condiment prefixes so that they do not display in the touchscreen detail.

Removing Secondary Toppings in Ordering Module did not Update the Check Detail

CR ID #: 26380

SCR #: 35720

Previously, after editing an item by removing a secondary topping (any topping other than the first topping) and then accepting the change in the Ordering Module, the check detail would not update. This has been corrected.

Sixteen-Character Device Names Caused POS Operations to Exit When Using OCB

CR ID #: 26386

SCR #: 35731

Previously, when an OCB device was programmed to interface with a workstation that had a 16-character name configured in the *POS Configurator* / *Devices* / *Devices* form, POS Operations unexpectedly exited. This has been corrected.

Using Void Validation Sometimes Caused POS Operations to Unexpectedly Exit

CR ID #: 26517

SCR #: 35829

Previously, under certain conditions, POS Operations unexpectedly exited after using Void Validation. This issue occurred when the following conditions were present:

- ◆ The *POS Configurator / Revenue Center / RVC Printing / Options / 'Print void/return validation chit'* option was enabled
- ◆ A validation printer was assigned to the workstation
- ◆ The *POS Configurator / Revenue Center / RVC Print Design / Options / 'Print menu item unit price'* option was enabled.
- ◆ The quantity of the Order Module order was greater than one

When the issue occurred, an 'Unhandled Exception - ACCESS VIOLATION' error was returned. This has been corrected.

Printed Guest Check for Web API Orders Differed from POS Operations Client

CR ID #: N/A

SCR #: 35835

Previously, some information differed when the guest check was printed to the Web API compared to guest checks printed from POS Operations' clients. The following information differed:

- ◆ For check information lines that were configured to print 'After Header' (*RVC Interfaces / Print Format* option)- the API output printed the information lines directly below the header lines, while the POS Operations client printed the lines directly before the first menu item.
- ◆ The POS Operations client printed the check number, date, and guest count on a single line. The API printed the check number and guest count on one line. The date printed on the next line.

- ◆ The POS Operations client did not print a blank line when it encountered a blank ISL print_trailer output. The API, which does not execute ISL script, printed a blank line when a print_trailer event was encountered.

These differences have been corrected.

COM Substituting Mapping Sometimes Displays the Condiments Incorrectly

CR ID #: 26740

SCR #: 35965

Previously, when COM Substitute Mapping automatically substituted the menu item, it sometimes displayed the condiments incorrectly. For example, when ordering a 'Fruit Smoothie,' after selecting the juice condiments (e.g., Orange, Mango, Banana), the menu item displayed the correct smoothie type, such as 'Tropical Dream,' but the condiments would incorrectly displays as 'NO Banana' and 'NO Mango.' This has been corrected. Now, condiments are correctly matched when performing an automatic substitution.

Declare Order Type After Suppress Build Menu Item Displayed the Incorrect Touchscreen and Cleared the SLU

CR ID #: N/A

SCR #: 36216

Previously, when declaring an order type after ordering a menu item with a menu item class that suppressed the build screen, the touchscreen incorrectly displayed the default transaction touchscreen. If the touchscreen had SLU keys, they were cleared. This has been corrected.

Automatic Discounts were not Applied Correctly to Weighed Menu Items

CR ID #: 26571

SCR #: 35865

Previously, automatic discounts only applied to a menu item sold by weight if the order was sent, service totaled, or if another check detail entry (e.g., a condiment or another item) was made after the sale of the weighed menu item. When the weighted menu item was sold by itself or paid in the same round as it was ordered in, the discount was not applied. This has been corrected.

'Paid Table' Icon did not Appear on the till when the Check was Closed from a Handheld Touchscreen Device

CR ID #: 24529

SCR #: 33580

Previously, when paying a check from a handheld touchscreen device, the table status icon for the 'Paid Table' did not appear on the till. When a check is tendered from another till, the icon appears as expected. This has been corrected.

Radio Frequency Signal Strength Monitoring was not Functioning Correctly

CR ID #: N/A

SCR #: 36322

Previously, after upgrading to RES v. 4.0 GR (or higher) from RES 3.2 or after upgrading the Handheld Touchscreen (HHT) device to Motorola MC70, the user experienced some HHT connectivity issues. When the user attempted to continue to run POS Operations after returning from suspended mode, the unit paused for an extended period of time with the prompt, 'One Moment Please...' displayed.

This issue occurred under certain circumstances. The upgrade from RES v. 3.2 to RES v. 4.0 GR or greater changed the MDS Error return value, returned with low signal strength, from 'LOW_SIGNAL_STRENGTH' to 'FATAL_DB_ERROR'. This caused the 'Signal Strength Low' dialog box to not display. When the SAR client and the Backup Server were NOT enabled, the device appeared to be 'frozen.'

The MICROS Radio Frequency Signal Low dialog meter was inaccurately representing the signal strength in the 'display bar.' The display showed 100% as approximately 40% of the visual indicator bar in most cases. This has been corrected.

System did not Prevent the user from Selecting Another Detail Item while the Current Menu Item still Required Minimum/Maximum Condiments

CR ID #: N/A

SCR #: 36288

Previously, after ordering an item with required condiment(s), the system would allow the selection of another detail item before the required condiment(s) was satisfied, this would allow the operator to pay the check in full without providing the required condiments. This has been corrected.

'Clear Min-Max Prefix' key Incorrectly Added 'Clear (Condiment Name)' Entry to the Check Detail

CR ID #: N/A

SCR #: 36289

Previously, after selecting the 'Clear Min-Max Prefix' key and choosing a condiment that had a count of zero, the condiment did not clear as expected. Instead, a 'Clear (Condiment Name)' entry was added to the check detail area. This has been corrected.

First Clock in did not Update Local Employee Status

CR ID #: N/A

SCR #: 36402

Previously, when signing in immediately after clocking in, an erroneous message could appear stating that the employee must clock in. This has been corrected.

Loading Touchscreens with Table Objects Took Longer than Desired when TMS was Enabled

CR ID #: 27648

SCR #: 36491

Previously, when TMS was enabled, changing touchscreens with table objects took about three seconds to load. This has been corrected.

Net Sales and Discounts did not Balance on the System Sales Report when VAT was Enabled

CR ID #: 24081

SCR #: 32842

Previously, the net sales totals and discounts did not balance on the System Sales report when VAT was enabled. This issue occurred when the "VAT By Round" option was enabled. This has been corrected.

POS Operations Performance Improvements with Themes and Background Images

CR ID #: N/A

SCR #: 36525

POS Operations performance has been improved when using Themes and background images either as a Theme or as a part of the touchscreen.

VAT Tax did not Print on the Guest Check when an Automatic Service Charge was used

CR ID #: N/A

SCR #: 36502

Previously, VAT taxes did not print on guest checks when automatic service charges were used. This issue occurred when the 'Auto Service charge' field was configured (*POS Configurator / RVC / RVC Discount/ Service*) and the VAT tax method 'Post Taxable totals only' or 'VAT by Round' (*POS Configurator / System / Restaurant / Taxes*) was enabled. This has been corrected.

Incorrect VAT Calculation was used when a Discount was Applied

CR ID #: 26243

SCR #: 35592

Previously, the VAT by Round discount incorrectly handled the inclusive/VAT tax calculation when multiple items were ordered (i.e, 4 Sodas) and multiple tax rates were applied. This has been corrected.

Automatic Service Charges were not Taxed when the 'VAT by Round' or 'Post Taxable totals only' Options were Enabled

CR ID #: 26088

SCR #: 35473

Previously, the automatic service charge was not taxed when either the 'VAT by Round' or 'Post Taxable totals only' (*POS Configurator / System / Restaurant / Taxes*) tax methods were enabled. This has been corrected.

Large Number of Menu Items Caused Unexpected Database Error

CR ID #: 27338

SCR #: 36331

Previously, an unexpected database error occurred when attempting to download 32,767 menu items to Client Workstations, via Start POS Operations. This occurred because RES had a hard coded limit of menu items. Now, RES v. 4.7 has increased the limit. Note that MICROS Systems, Inc. has no reasonable expectation that a site will be able to download unlimited menu items. This modification is intended to enable sites to determine the expected limit based on their current system's hardware configuration.

When substantially increasing the number of menu items in a database, at some point, memory constraints will prevent the database from downloading to POS Operations successfully. RES v. 4.7 will attempt to handle that out-of-memory condition gracefully, but cannot guarantee it and is not responsible for any memory issues associated with importing a large number of menu items to the database.

Note that MICROS Workstation 4s will support fewer menu items than MICROS Workstation 4 LXs (WS4 LX) and MICROS Workstation 5s (WS5). A MICROS PC Workstation 2010 will support more menu items than WS4 LXs and WS5s.

BY DESIGN: Cannot Alter a Check with Direct Voids via Refund, Edit, Re-Open a Check Functions

CR ID #: N/A

SCR #: 36662

If any item was Direct voided on a check, you will NOT be able to edit that check with any of these options:

- ◆ Reopen closed check
- ◆ Reopen closed check by table
- ◆ Edit closed check

- ◆ Edit closed check by table
- ◆ Refund closed check
- ◆ Refund closed check by table

Minimum-Maximum Thresholds not Functioning Correctly

CR ID #: N/A

SCR #: 35530

Previously, not setting both min/max condiment thresholds and menu levels could result in incorrect menu levels being rung. This has been corrected.

Substituting Combo Meal Side Items Ignored Required Condiments

CR ID #: 27956

SCR #: 36744

Previously, when substituting a combo meal side item that had a required condiment, the prompt to select the condiment did not display. This has been corrected.

Beginning a Table or Running a Macro Would Cause the Screen to Flicker

CR ID #: N/A

SCR #: 36851

Previously, when beginning a check that prompts for a table number and cover count, the touchscreen would return to the previous touchscreen before changing to the next touchscreen.

When running a macro that displays a numeric touchscreen (cover count), the screen would flicker as the macro executes to display the popup numeric screen, and then return to the previous touchscreen before displaying the next touchscreen. This has been corrected.

Ordering with the Bulk Combo Order Button Would Cause Error

CR ID #: 27914

SCR #: 36685

Previously, it was possible to receive an unhandled exception error after selecting another side once the sides have already been selected when using the 'Bulk Combo' order function. This has been corrected.

POS Operations API

Printed Order Output for Web API Orders Formatted Differently than POS Operations' Clients

CR ID #: N/A

SCR #: 35680

Previously, there were some order output formatting differences between POS Operations' checks and API checks. This has been corrected.

Printing a Check via the Web API did not Print the Price for any Priced Condiments

CR ID #: 27684

SCR #: 36530

Previously, the price for priced condiments did not print on the guest check correctly when the check was printed via the POS API. The total amount for the check was correct, but the price for all priced condiments appeared as '\$0.00'. This has been corrected.

POS Operations CE

Canceling a Transaction Causes Undesirable Behavior on the Workstation 4 (WS4) when using Line-by-Line Printing

CR ID #: 19787

SCR #: 26934

Previously, after canceling a transaction on a WS4 when the employee class option, 'Print line-by-line receipt' was enabled, the workstation would pause for an extended period of time with the prompt, 'Printing -- One Moment Please' displayed. The canceled receipt would eventually print about one minute later. The check never closed and control was never returned to POS Operations. This has been corrected. This issue had been previously documented as a known issue in RES 4.4.

Note that in RES 4.x, line-by-line printing on both Win32 and WinCE does NOT print line-by-line. Since enabling this feature could actually cause performance to suffer, it should be disabled on 4.x systems.

Printing

Validation Printing Causes Problems with Slip Printers

CR ID #: 26603

SCR #: 33730

Previously, when multiple print jobs were started and the second job was sent to a slip printer, the [**Resume**] print command did not work correctly when the check was not in place. For example, when a validation chit was printed to a physical printer (not to a disk file) and the printer was out of paper, the user was prompted, 'Check not in place- Resume?.' Then, when a slip check was added and the user selected [**Resume**], the message, 'Printing, one moment please' would display but the check did not print. This has been corrected.

Item Discounts are not Printed when Special By-Round Printing is Enabled

CR ID #: 26983

SCR #: 36107

Previously, when special by-round printing was enabled, after discounting a menu item in a round without adding any menu items, the discount did not print on the check. This has been corrected.

Reports

'Adjusted by' Employee Displays Correctly in the 'Employee Time Card and Job Detail' Report

CR ID #: 26764

SCR #: 35976

Previously, the incorrect last name displayed for the 'Adjusted by' employee within the 'Employee Time Card and Job Detail' report. Instead of the manager's name who made the time card adjustment, the report displayed the employee's name whose time card was adjusted. This has been corrected. Now, the correct name appears within the 'Adjusted by' column in the 'Employee Time Card and Job Detail' report.

Automatic Service Charge Caused Incorrect Tracking Totals

CR ID #: 25179

SCR #: 34334

Previously, using an Automatic Service Charge caused incorrect tracking totals on the 'Daily and Consolidated System Sales Detail' reports for both the RVC and System. The inclusive tax was deducted twice if the service charges was configured an automatic within the *POS Configurator | RVC | RVC Discount/Service*.

Now, the inclusive tax is posted properly within System Tracking. The 'Daily and Consolidated System Sales Detail' reports show the correct tracking totals when an Automatic Service Charge is applied.

Report Viewer's Idle Time is Zero Minutes if the 'Max Idle Time in Minutes' is Null

CR ID #: 27227

SCR #: 36291

Previously, when the 'Max Idle Time' was null (*POS Configurator / Systems / Restaurant / Security Settings*), Report Explorer would not run. This has been corrected. Now, when the 'Max Idle Time in Minutes' is configured as null, Report Explorer will remain idle for zero minutes.

'Return/Void Reason Code' Report Shows the Authorizing Employee's Name

CR ID #: 27429

SCR #: 36372

Previously, the authorizing employee's name did not display in the 'Return/Void Reason Code' report. The employee's object number did display. 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.

'Choose Export File' Window Missing when Attempting to Export from a Back Office Client

CR ID #: 27291

SCR #: 36313

Previously, the 'Choose export file' window did not display when attempting to export a report to Excel, .PDF, or other formats via Report Explorer from a Win32 Back Office client. This has been corrected. Now, the 'Choose export file' displays within the Report Explorer after running a report and selecting the [**Export**] button from the toolbar.

All Export Formats are Available within the Report Explorer when Running a Report from a Back Office Client

CR ID #: 26703

SCR #: 35953

Previously, some export formats were missing after running a report via Report Explorer from a Back Office client. After running a report and clicking the [**Export**] button from the toolbar, the following formats were missing: .PDF, .HTML, MS Excel, MS Word, and Rich Text. This has been corrected. Now, the missing formats are available in addition to Crystal Reports, ODBC, Record style, Report definition, .CSV, Tab-separated text, .TXT, and .XML.

Buffer Overrun Error Occurred with more than 60 Revenue Centers

CR ID #: 26226

SCR #: 35588

Previously, when running any Family, Major, or Menu Item report with more than 60 revenue centers configured, the system will return the following error:

```
Microsoft Visual C++ Runtime Library  
Buffer overrun detected!  
Program: ... \MICROS\Common\Bin\autoseqexec.exe
```

This has been corrected.

Daily System Tax Report Incorrectly Showed Net Sales without VAT Tax when 'Include VAT in net sales totals' Option was Enabled

CR ID #: N/A

SCR #: 36640

Previously, the Daily System Tax report incorrectly showed the net sales totals without VAT tax when the 'Include VAT in net sales totals' option (*POS Configurator / System / Restaurant / Taxes*) was enabled. This has been corrected.

Transferring Checks Between Revenue Centers Caused Incorrect Total in the Daily Revenue Center Discounts Detail Report

CR ID #: 25489

SCR #: 34830

Previously, the discount total in the Daily Revenue Center Discounts Detail report was incorrect when checks were transferred between revenue centers. When this issue occurred, the discount total was multiplied by four. This has been corrected.

Report Viewer Timed out Before Data was Generated

CR ID #: N/A

SCR #: 36498

Previously, the Report Viewer would time out after two minutes before the report data was generated. This has been corrected.

Setup

The Display Controller Attempts to Start POS Operations

CR ID #: N/A

SCR #: 36019

Previously, when RES was installed from a CD and not a patch, the incorrect Appstarter configuration was used on the Display Controller. This configuration incorrectly tried to start POS Operations. The correct version should try to start KDS and the Menu Board. This has been corrected.

Data Execution Prevention (DEP) Settings

CR ID #: N/A

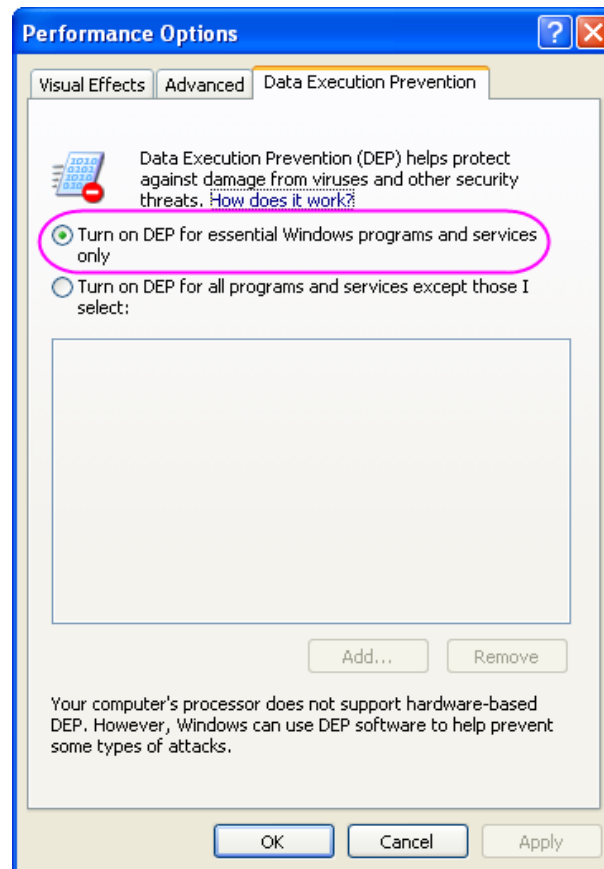
SCR #: 36671

If Microsoft DEP is enabled for all services as opposed to enabled for windows only services, it can stop anything it deems as malicious. When this DEP settings configuration is enabled, some MICROS Systems, Inc. executables may be incorrectly marked as malicious and will be stopped by DEP.

To prevent this scenario, the DEP setting should be configured as follows:

1. Navigate to *Start / Settings / Control Panel / System / Advanced / Performance Settings / Data Execution Prevention* tab.

2. Enable 'Turn on DEP for essential Windows programs and services only' option.



3. Click [OK].

SIM

Fiscal Printer Issues with @Parent_dtl when Voids and Discounts are Applied

CR ID #: 27049

SCR #: 36168

Previously, when two items with the same price were ordered and then one item was voided via a direct void, the @Parent_dtl_ID for the discount references the voided item. This caused some issues with fiscal printers. This has been corrected.

@Dtl_status Variable Updated

CR ID #: N/A

SCR #: 36239

This @Dtl_status system variable has been updated to include the following detail status bits:

2nd Digit		
#define DTL_MODIFIED_BY_PLAIN	7	/* MI Only RES 4.5: Plain support */
#define DTL_MODIFIED_BY_ALL	8	/* MI Only RES 4.5: All support */
5th Digit		
#define DTL_CA_AVAIL_BALANCE	20	/* CA AUTH ONLY */
#define DTL_CASCADE_REMOVE	20	/* DSC ONLY */
6th Digit		
#define DTL_OVRDE_TAX_W_QTY_GROUP	24	/* MI ONLY */

8th Digit		
#define DTL_CC_VCHR_CANCELLED	30	/* VOUCHER DTL ONLY */
#define DTL_AUTOMATIC_DISCOUNT	30	/* DSC ONLY */

The following detail option bits are now accessible via ISL:

#define DTL_PRICE_FROM_NLU_FILE	33	/* CRS 2-2-99 V2.60 Retail Barcode Support */
#define DTL_PRICE_FROM_BARCODE	34	/* CRS 2-2-99 V2.60 Retail Barcode Support */
#define DTL_BARCODE_ENTRY	35	/* CRS 2-5-99 V2.60 Retail Barcode Support */
#define DTL_PRINTED_ON_L_BY_L_RMT	36	/* CPR 7-26-2000 V3.0 Combo Meals Support */
#define DTL_NO_RPT_COUNT	37	/* 3.2-SP7: Item has been split, report count must always be 0 */
#define DTL_DISCOUNT_COUPON	38	/* DSC ONLY */
#define DTL_PRINTED_ON_L_BY_L_RCPT	39	
#define DTL_UNUSED_40	40	/* RES 4.0: Encryption support */

Transaction Analyzer

Analyzer does not Display more than one Reference Correctly on Reports

CR ID #: 23931

SCR #: 32728

Previously, transaction analyzer would display the first line of reference data twice. This has been corrected.

Table Management Service (TMS)

Table Status not Updated if Table Screen had not been Viewed

CR ID #: 27272

SCR #: 36305

Previously, when a workstation has not viewed the table screen for TMS, the table status of checks on that workstation did not update properly. This issue occurred when the user selected the [**Service Total**], [**Send**], or [**Selective Send**] key. This has been corrected. Now, the table status updates as expected after the user selects the [**Service Total**] or [**Send**] key.

BY DESIGN: The table status reflects the last service date time. Since the tables/check totals are not actually computed and stored in the database, this field is not updated and thus the table status does not change after pressing the [**Selective Send**] key.

Kitchen Display System (KDS)

What's New

A new feature is defined as one that provides capabilities that were not available in previous versions of the application.

New Features Summarized

The table below summarizes the new features included in this version.

Module	Feature	Page
Layouts	KDS Expo Only Item Status Introduced	79
	KDS 'Fired' Flag Introduced	82

New Features Detailed

Layouts

KDS Expo Only Item Status Introduced

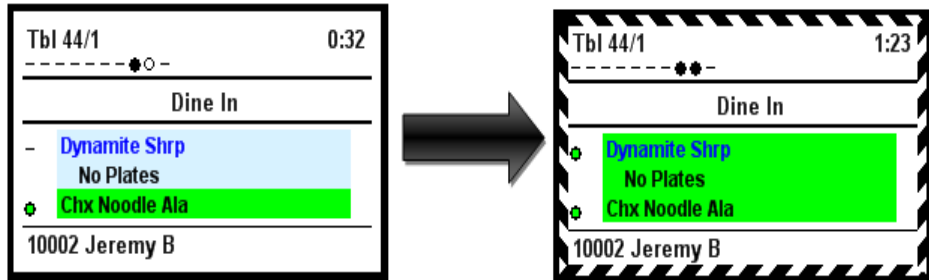
CR ID #: N/A

SCR #: 36154

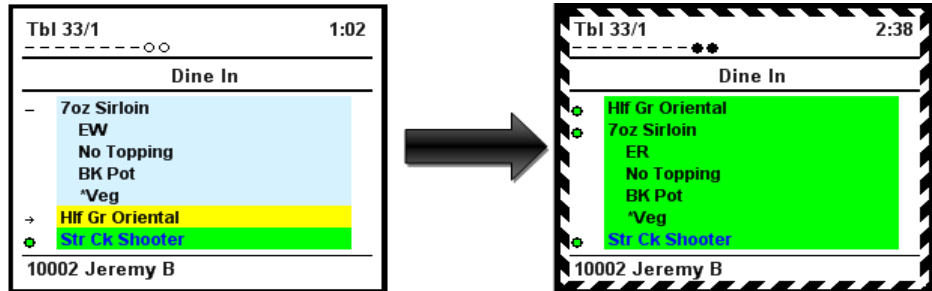
With this release, the Expo-only items display as done option has been introduced. This feature automatically changes the status color of Expo-only items to the 'bumped' color status, allowing users to easily determine orders at a glance with a completed status.

Examples

Use Case 1: An order has Chicken Soup (Expo-only) and Dynamite Shrimp. When the order arrives, the Chicken Soup is green (completed) and the Dynamite Shrimp is light blue (fired). When the Dynamite Shrimp has been bumped, it turns green (bumped). The Expo can visually see that the entire order is complete by scanning for a fully green chit.

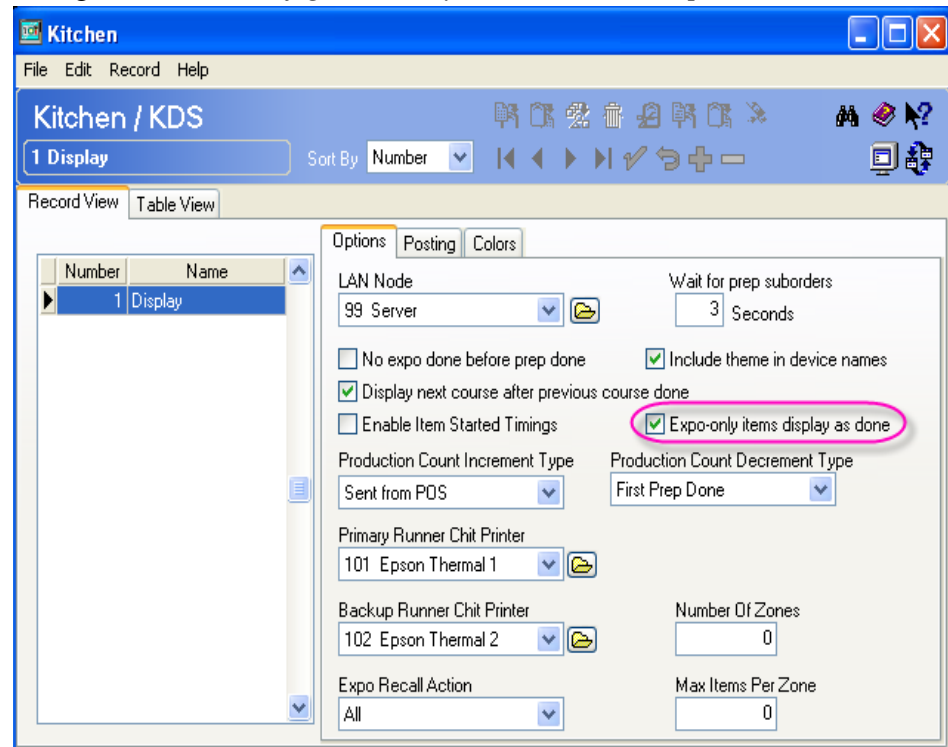


Use Case 2: An order has Str Ck Shooter (Expo-only), 7oz. Sirloin, Hlf Gr Oriental. When the order arrives, the Straw Cake Shooter is green (completed), the 7 oz. Sirloin is light blue (fired) and the Hlf Gr Oriental is yellow (sent). The order changes to all green once all three items have been bumped or completed.



Configuration

Navigate to *POS Configurator / System / Kitchen / Options* tab



Expo-Only items display as done - When this option is enabled, any items displaying ONLY on an Expo display (not destined for a Prep device) will have the Item Status set to DONE immediately when fired.

NOTE: Item Status is denoted by an icon on the KDS layout (if the KDS layout has the capability to display the item status icon). On all KDS layouts, Item Status can be displayed by defining the color desired for 'Fire,' 'Bump,' and 'Sent' in the *POS Configurator / System / Kitchen / Colors / Item Status Colors*.

KDS 'Fired' Flag Introduced

CR ID #: N/A

SCR #: 36155

The KDS Display System now allows the flagging of a menu item as 'preparing' on a local KDS display. When the item status is changed to 'Started', the item's background color will change based on the configuration in the POS Configurator (*System / Kitchen / Colors / Item Status Colors* tab). This option works in conjunction with the existing 'Started Status Indicator', indicated by an open circle to the left of the menu item on the chit.

The color and icon change will not affect any other Prep Stations, but will be reflected on Expo devices, to indicate that at least one Prep station is 'preparing' an item.

Note that this feature will only function with KDS Prep stations, in non-Dynamic Order Mode (DOM), and with 'Item Started Timings' disabled, and thus, will not affect any item timings. Also, if no Start Color is configured, only the status icon will be changed, but no background colors will change.

'Order Start' vs. 'Prep Start/Stop'

In addition, the 'Order Start' feature will override the 'Prep Start/Stop', since it assigns the items on ALL prep stations as 'Started'. MICROS Systems, Inc. does not recommend configuring both buttons on the same system. The differences between the two features are listed below:

- ◆ The 'Order Start' button will change the state of ALL occurrences of an item on ALL prep stations (and Expos), whereas the 'Prep Start/Stop' button will only change the state of the item on the Prep Station where the button was pressed (and Expos), ignoring all other Prep Stations where that item may be displaying.
- ◆ The 'Order Start' button will only Start the item, and the action cannot be reversed, where the 'Prep Start/Stop' will 'toggle' the Item State between 'FIRED' and 'STARTED'.

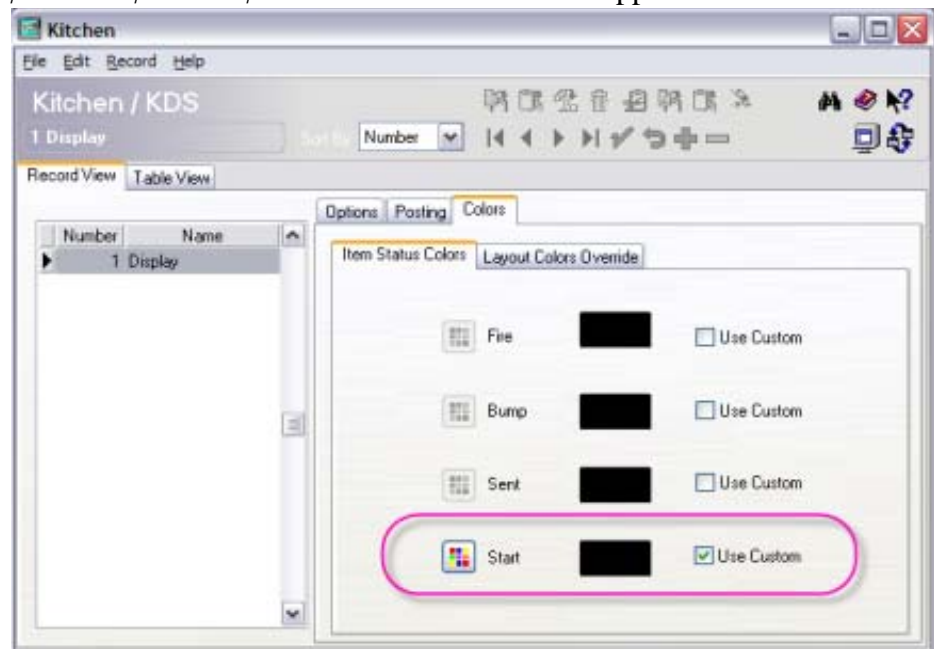
Use Cases

Use Case 1: The App Sampler is routed to go to Grill, Fry and Expo. When this is ordered, it appears on these three stations using the 'Sent' color. The Grill cook is ready to begin the order, so he presses the 'Fired' button, changing the status color at the Grill station only. The open circle icon then displays on the left side of the chit next to App Sampler. At the Expo station, the App Sampler would also appear in this Cooking state, indicating that at least one of the prep stations has 'Fired' the item.

Use Case 2: The kitchen is very busy and the Fry cook has multiple orders of Dynamite Shrimp on his KDS display. He prepares a whole basket containing several orders of Dynamite Shrimp. He can then mark all orders as 'Cooking'.

Configuration

The following option have been added to the *POS Configurator / System / Kitchen / Colors / Item Status Colors* tab to support this feature:



- ◆ **Start Color** - Press the button to choose the Start status background color. This color also applies to items that are prep started. Note, this color option will not be applied unless it's 'Use Custom' box is also checked.

What's Enhanced

An enhancement is defined as a change made to improve or extend the functionality of the current KDS functionality. To qualify as an enhancement, the change must satisfy the following criteria:

- ◆ The basic feature or functionality already exists in the previous release of the software.
- ◆ The change adds to or extends the current process. This differs from a revision (i.e., a bug fix) which corrects a problem not caught in the previous release of the software.

Enhancements Summarized

There are no new enhancements with this release.

What's Revised

A revision is defined as a correction made to any existing form, feature, or function currently resident in the 3700 POS software. To qualify as a revision, the change must satisfy the following criteria:

- ◆ The basic form, feature, or functionality must be part of the previous version of the software.
- ◆ The change must replace the current item or remove it from the application.

Additionally, all reported issues that are deemed to be BY DESIGN are included in this section as well. This issues will contain the preface **BY DESIGN** in front of the feature name.

Revisions Summarized

The table below lists the revisions present in this release.

Module	Feature	CR ID/ SCR	Page
Display	KDS Display Application would not run on RDC Hardware with a Japanese CE Platform	25647/ 36241	86
	KDS Highlight Scheme Functioned Incorrectly after Menu Items were Consolidated	27238/ 36479	86
	Printer Error Message on KDS Display could not be Cleared	N/A/ 36756	87
	Prep Time Incorrect when Order Started with the Menu Item with the Highest Prep Time	27839/ 36634	87

Module	Feature	CR ID/ SCR	Page
Dynamic Ordering Mode (DOM)	Orders Sent to KDS Sometimes Appeared Incorrectly with Void Status	N/A/ 36550	87
	Void Priority did not Function Correctly when Menu Items were Consolidated	N/A/ 36526	88
	Production Items would not Deduct when 'Cancel Order' or Void was Used	23407/ 31952	88

**Revisions
Detailed**

Display

KDS Display Application would not run on RDC Hardware with a Japanese CE Platform

CR ID #: 25647
SCR #: 36241

Previously, when using RDC hardware with Japanese CE.NET, the KDS Display Application would not run. The application started but would freeze with the splash screen displayed. This has been corrected.

KDS Highlight Scheme Functioned Incorrectly after Menu Items were Consolidated

CR ID #: 27238
SCR #: 36479

Previously, when a menu item class was configured to use KDS highlights (*POS Configurator / Devices / KDS Highlights*), after ringing in the first menu item, the highlight appeared correctly. After ringing in the menu item a second time, the highlight disappeared and the text appeared incorrectly as black text. This has been corrected.

Printer Error Message on KDS Display could not be Cleared

CR ID #: N/A

SCR #: 36756

Previously, if the Expo KDS was configured to print 'all prep done' and the runner chit printer ran out of paper, an error message appeared on the KDS Display that could not be cleared until the workstation was rebooted. This issue only occurred on Win32 devices. This has been corrected.

Prep Time Incorrect when Order Started with the Menu Item with the Highest Prep Time

CR ID #: 27839

SCR #: 36634

Previously, when hitting the 'order started' button for a menu item containing the highest prep time first, the prep time for all items in the order would appear wrong on the KDS. This has been corrected.

Dynamic Ordering Mode (DOM)

Orders Sent to KDS Sometimes Appeared Incorrectly with Void Status

CR ID #: N/A

SCR #: 36550

Previously, when an order was sent to a KDS with DOM enabled, and paid, after selecting void twice, the order appeared as voided on the KDS. This has been corrected.

Void Priority did not Function Correctly when Menu Items were Consolidated

CR ID #: N/A

SCR #: 36526

Previously, when in DOM mode with voids enabled to sort the top of the chit display and with menu item consolidation enabled, Void Priority did not work correctly. This issue occurred when the consolidated menu items rung had at least one item voided. The voided item would sort to the top of the chit as expected, but the remaining menu items that were consolidated immediately followed the voided item on the chit. The unconsolidated items should not have been moved higher on the chit and should have been left in the position they were located prior to the void transaction. This has been corrected.

Production Items would not Deduct when 'Cancel Order' or Void was Used

CR ID #: 23407

SCR #: 31952

Previously, when an order was sent to KDS in DOM and then 'Cancel Order' was pressed, the number of production items would not decrease. Also, if the option *POS Configurator / Devices / Order Devices / Dynamic Order Mode / 'Do not display voids'* was selected, voiding the items would not decrement the production items correctly (only the last item would subtract, leaving all others). This has been corrected.

Guest Service Solutions (GSS)

What's New

There are no new features in this version of the software.

What's Enhanced

An enhancement is defined as a change made to improve or extend the functionality of the current GSS functionality. To qualify as an enhancement, the change must satisfy the following criteria:

- ◆ The basic feature or functionality already exists in the previous release of the software.
- ◆ The change adds to or extends the current process. This differs from a revision (i.e., a bug fix) which corrects a problem not caught in the previous release of the software.

Enhancements Summarized

There are no new enhancements with this release.

What's Revised

A revision is defined as a correction made to any existing form, feature, or function currently resident in the 3700 POS software. To qualify as a revision, the change must satisfy the following criteria:

- ◆ The basic form, feature, or functionality must be part of the previous version of the software.
- ◆ The change must replace the current item or remove it from the application.

Additionally, all reported issues that are deemed to be BY DESIGN are included in this section as well. This issues will contain the preface **BY DESIGN** in front of the feature name.

Revisions Summarized

The table below lists the revisions present in this release.

Module	Revision	CR ID/ SCR	Page
Delivery Plus	Address Display Field Separators were not Taken into Account	N/A/ 36134	91
	GSS Order History Changed to Ordering Module (OM) Defaults	26460/ 35780	92
Frequent Diner	Customer Search Enhanced to Easily Find Customers without Knowing the Customer's Exact Information	N/A/ 36233	92
	Address Capture uses Correct Address when Multiple Addresses Contain the Same Words	N/A/ 36256	93
	Customer Entry Forms Cleared Other Fields when the Address is Selected	N/A/ 36257	93
Gift Certificates	Procedure to Purge Gift Cards did not Delete Expired Cards with a Balance	21871/ 29462	94

Module	Revision	CR ID/ SCR	Page
Ordering Module	GSS Failed to Properly Re-Order Ordering Module Menu Items	N/A/ 36411	94
POS Interface	Check ID is no longer Cleared when a Check is Added using the [Add Check] Function	19638/ 26829	95

Delivery Plus

Address Display Field Separators were not Taken into Account

CR ID #: N/A

SCR #: 36134

Previously, under certain circumstances, within the *POS Configurator / GSS / Restaurant / Address Display Format*, the pipe character '|' was not taken into account when determining which characters to ignore, causing the system to be unable to properly separate multiple address lines.

For example: {OrganizationName}{LocationName} | {LocationNumber}
{StreetName}, {UnitName}

In this example, the pipe and comma characters should act as address line break points. The system only considered the following characters when recognizing break points: the hyphen '-', number sign '#', forward slash '/', and comma ','. The pipe character should have also been included.

This has been corrected. Now, any character outside of the address tokens will be considered a separator. Consequently, care should be taken to not use any characters in *POS Configurator / GSS / Restaurant / Address Display Format* that might also be a part of a normal address.

GSS Order History Changed to Ordering Module (OM) Defaults

CR ID #: 26460

SCR #: 35780

Previously, after starting a check through GSS and recalling a customer's order from order history, the OM toppings no longer appear. Only the OM configuration defaults displayed. This has been corrected.

Frequent Diner

Customer Search Enhanced to Easily Find Customers without Knowing the Customer's Exact Information

CR ID #: N/A

SCR #: 36233

Previously, the Customer Search function was very precise. When searching for a customer using an address as the search criteria, the search results would only display customer who had addresses that exactly matched the search criteria. Now, the Customer Search function has been modified to allow the operator to easily find customers without knowing the customer's exact information.

For example, if the operator searches for a customer with the address 'West Street,' the search results will display any customer with 'West Street' in the address field, including '123 West Street' and '321 West Street.' The enhanced search functionality applies to any search field, including 'Email,' 'Delivery Notes,' 'Address 1,' and 'Address 2.'

Address Capture uses Correct Address when Multiple Addresses Contain the Same Words

CR ID #: N/A

SCR #: 36256

Previously, Address Capture sometimes used the wrong address if multiple addresses contained the same words. For example, the Address database contains the following addresses that use the same words:

1/1 125 Main Street
1/2 125 Main Street
2/1 125 Main Street
2/2 125 Main Street

When the operator typed '1 2 125,' the drop-down list displayed the following results:

1/2 125 Main Street
2/1 125 Main Street

When the operator selected the second address, the system performed a final match and incorrectly selected the first address instead of the second address.

This has been corrected. Now, Address Capture uses the correct address when multiple address contain the same words.

Customer Entry Forms Cleared Other Fields when the Address is Selected

CR ID #: N/A

SCR #: 36257

Previously, when adding a new customer, the phone number field was cleared when the operator selected one of the address choices from the Address Line 1 drop-down field. This has been corrected.

Gift Certificates

Procedure to Purge Gift Cards did not Delete Expired Cards with a Balance

CR ID #: 21871

SCR #: 29462

Previously, stored procedure 7103 - GSS Remove Inactive Gift Certificates (spgss_remove_gift_certificateHistory) did not delete expired gift cards with a balance.

Now, if the 'Redemption after Expiration' option (*GSS / Gift Certificates*) is enabled and the current value of the card is greater than \$0.00, the gift card will not be purged. When this option is enabled and the expired gift card has a value of \$0.00, the card will be purged. If this option is disabled, the expired gift card will be purged even when the card has a balance.

Ordering Module

GSS Failed to Properly Re-Order Ordering Module Menu Items

CR ID #: N/A

SCR #: 36411

Previously, current menu level information for Ordering Module items sometimes caused GSS order history to fail to properly reorder these items. This has been corrected. Now, the original menu item level information is preserved when re-ordering Ordering Module items.

POS Interface

Check ID is no longer Cleared when a Check is Added using the [Add Check] Function

CR ID #: 19638

SCR #: 26829

Previously, when the *POS Configurator / GSS / Restaurant* 'Customer Name in Check ID' option was enabled, after adding a check via the [Add Check] function, the check ID was unintentionally cleared. This has been corrected.

Cash Management (CM)

What's New

A new feature is defined as one that provides capabilities that were not available in previous versions of the application.

New Features Summarized

The table below summarizes the new features included in this version.

Module	Feature	Page
Back Office User Interface	Negative Amounts Allowed when Counting Cash	97
	'Petty Cash' Receptacle Introduced	98

New Features Detailed

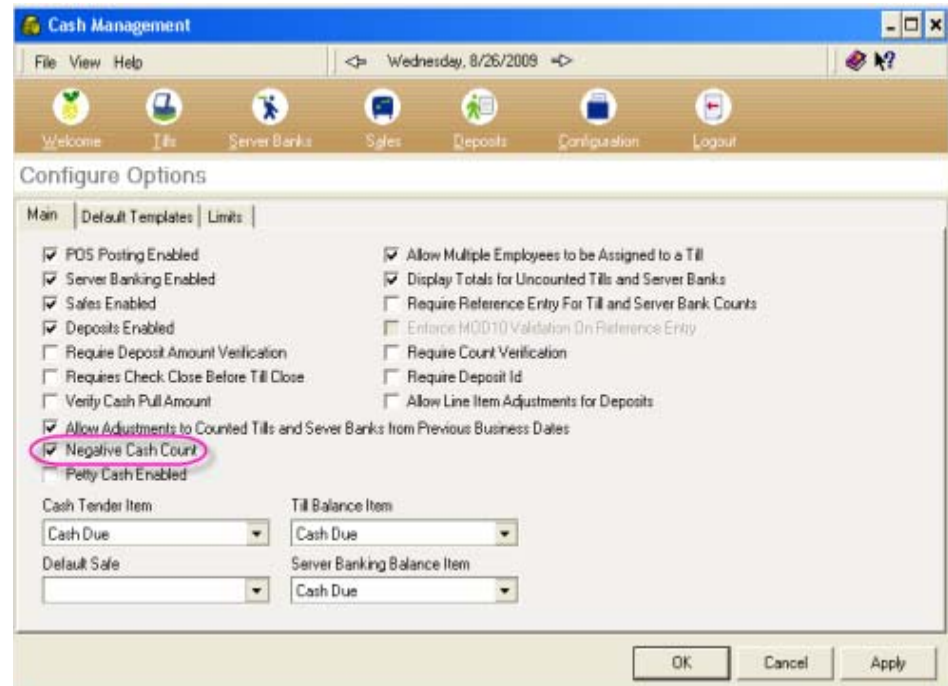
Backoffice User Interface

Negative Amounts Allowed when Counting Cash

CR ID #: N/A

SCR #: 36149

A new option, 'Negative Cash Count' has been added to *Cash Management | Configuration | Options*. This feature allows Table Service Restaurants (TSR) to better manage the server check out procedure at the end of a shift. Specifically, it allows Cash Management (CM) to handle tips owed to the employee while correctly affecting the deposit. The tips would be entered in as negative cash.



When this option bit is enabled, negative values are allowed when entering count units for the count item on a count sheet (normally the count item should be cash due). For example, the cash owed to a server is more than the cash in the server bank/till. So in this case, the expected cash is negative.

Note that a negative deposit value is not allowed. A warning message will display if the deposit value is negative: 'Adding the current server bank to the deposit would drive the deposit negative.'. When depositing a negative cash server bank, if adding a server bank to a deposit so that the 'CASH' balance is negative, then this server bank is not allowed to be deposited. The [OK] button will be disabled in the deposit form. To address this issue, the manager needs to change the sequence of depositing server banks. The Manager MUST deposit the positive server bank first and then deposit any Negative Balance Server Banks.

'Petty Cash' Receptacle Introduced

CR ID #: N/A

SCR #: 36151

In this release, a new feature called 'Petty Cash' has been added as another receptacle in Cash Management. The 'Petty Cash' receptacle is used to track and manage all Paid In and Paid Outs affecting the 'Petty Cash' balance.

Configuration

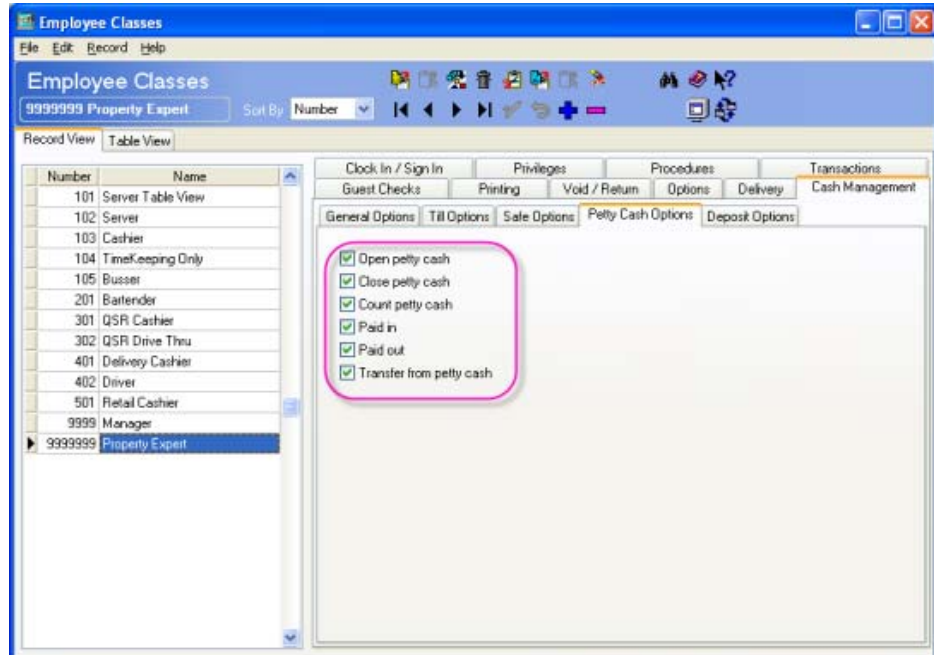
To enable the 'Petty Cash Enabled' feature, the user must check the option bit in the *Cash Management / Configuration / Options / Main* tab:



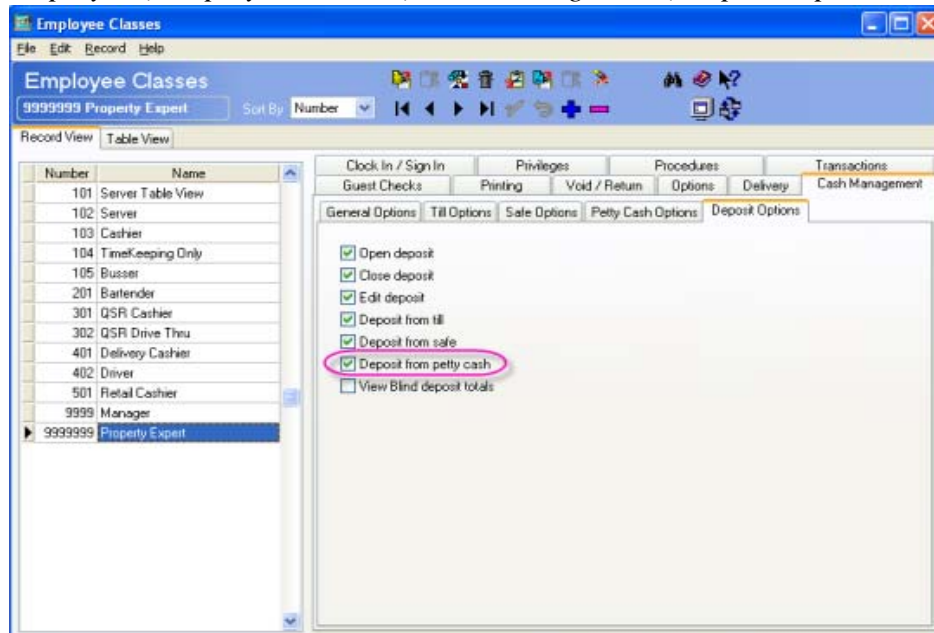
Seven new option bits have been added to the Employee Class Setup, in the POS Configurator, to control access to the 'Petty Cash' Receptacle. The new employee privilege options are:

- Open Petty Cash
- Close Petty Cash
- Count Petty Cash
- Paid In
- Paid Out
- Transfer From Petty Cash
- Deposit From Petty Cash

These 7 option bits can be configured in the *POS Configurator / Employees/ Employee Classes / Cash Management / Petty Cash Options* tab. Six option bits are configured in screen below:



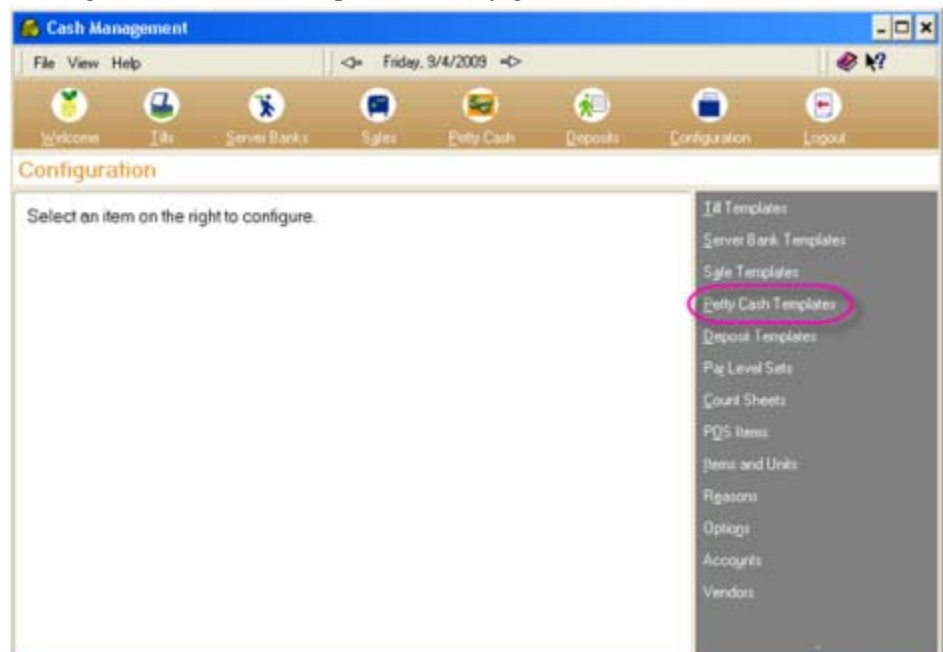
The remaining option bit is configured in the *POS Configurator / Employees/ Employee Classes / Cash Management / Deposit Options* tab



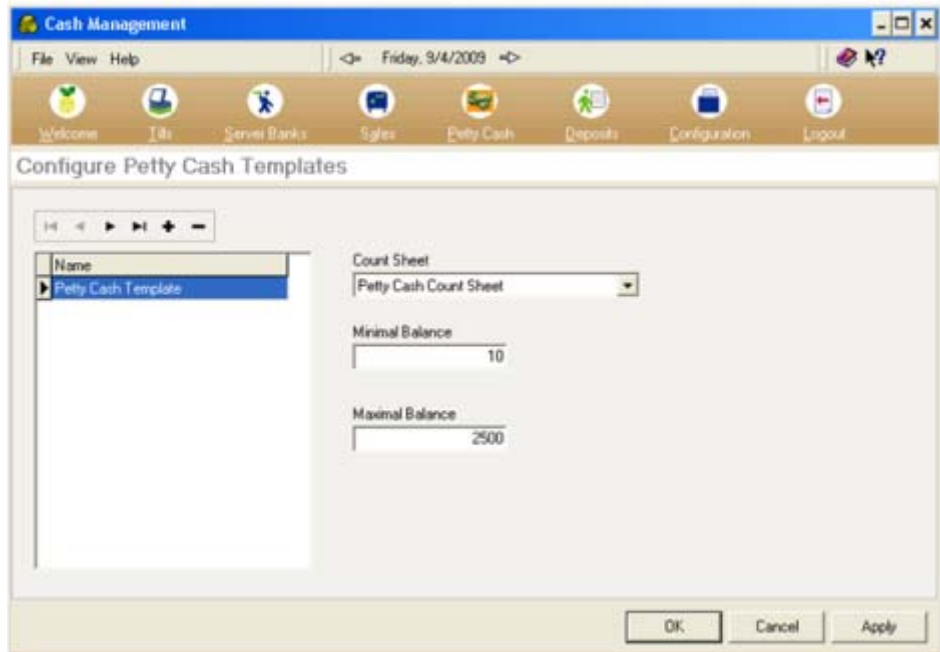
The 'Petty Cash' receptacle is set up like the safe, tills, server bank, and deposits are.

Templates

A 'Petty Cash' requires a 'Petty Cash' receptacle template. To create a petty cash template, open 'Cash Management'. The user will need normal 'Cash Management' configuration privileges to perform this action (see *POS Configurator / Employees / Employee Classes / Cash Management / General Options / Configuration*).



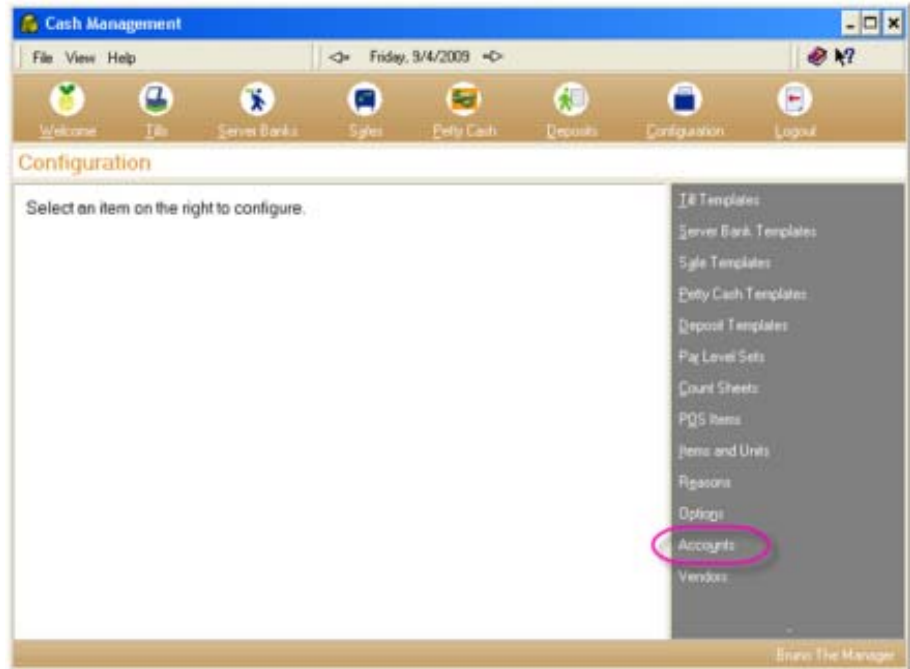
Selecting *Configuration / Petty Cash Templates* will open the 'Configure Petty Cash Templates' form shown below:



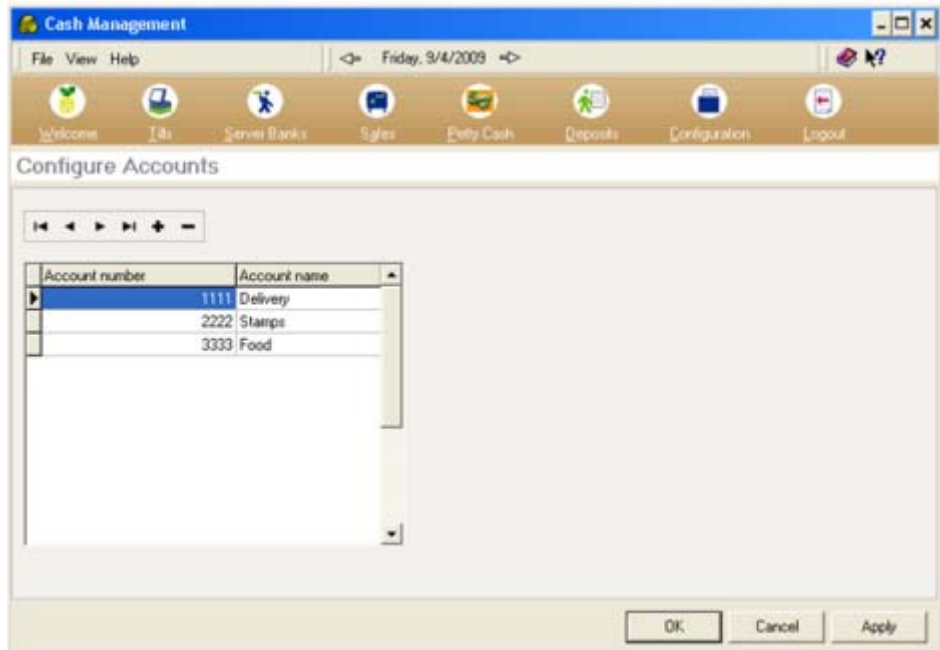
Note: You must create a 'Count Sheet' in *Cash Management / Configuration / Count Sheets* prior to configuring the 'Petty Cash Template'.

Accounts

A new account for 'Petty Cash Paid In/ Out' must be created. To configure a new account, use menu: *Cash Management / Configuration / Accounts*. User needs normal 'Cash Management' configuration privilege to perform this action (see *POS Configurator / Employees / Employee Classes / Cash Management / General Options / Configuration*).



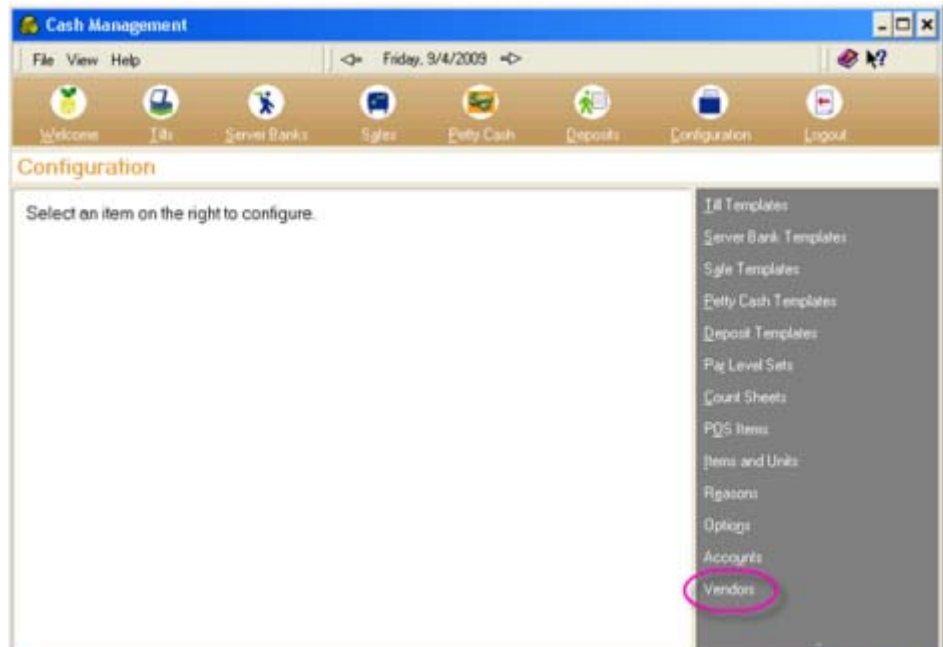
Selecting *Configuration / Accounts* will open the 'Configure Accounts' form shown below:



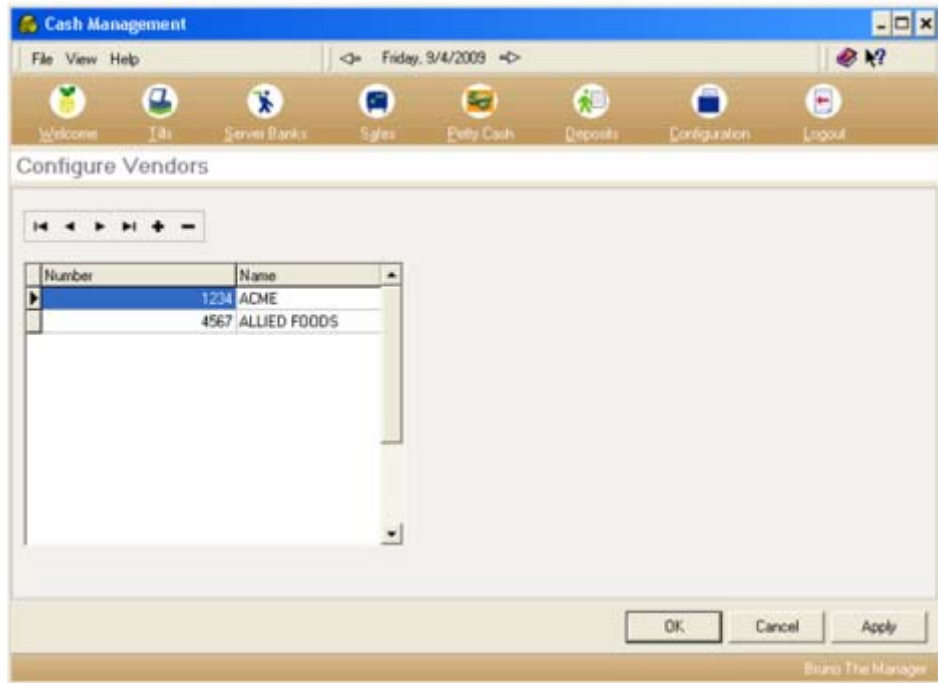
Add the desired 'Account Number' and 'Account Name'. This can correspond to existing 'General Ledger (G/L) Accounts' within your organization or to reference other related 'Paid In/Out' account information.

Vendors

A new Vendor must be created for the 'Petty Cash Paid Out'. To configure a new vendor, use menu: *Cash Management / Configuration / Vendors*. User needs normal Cash Management configuration privilege to perform this action (see *POS Configurator / Employees / Employee Classes / Cash Management / General Options / Configuration*).



Selecting *Configuration / Vendors* will open the 'Configure Vendors' form shown below:



Petty Cash Receiptacle Transactions

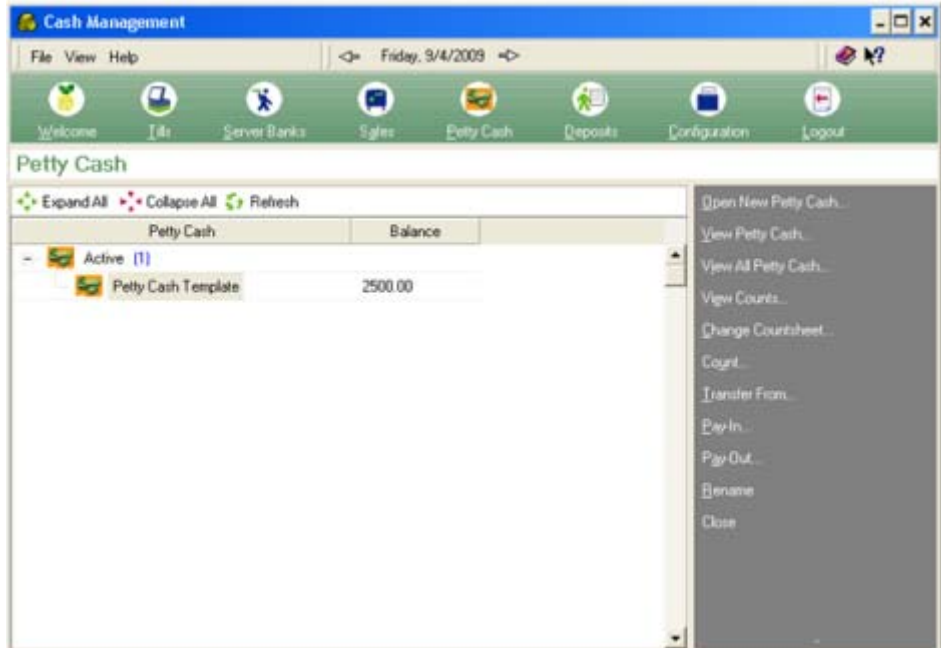
Petty Cash Button

This new button will be at the right side of 'Safes' button at the top bar of 'Cash Management'. This button is visible only if the 'Petty Cash Enabled' in *Cash Management / Configuration / Options* is checked.

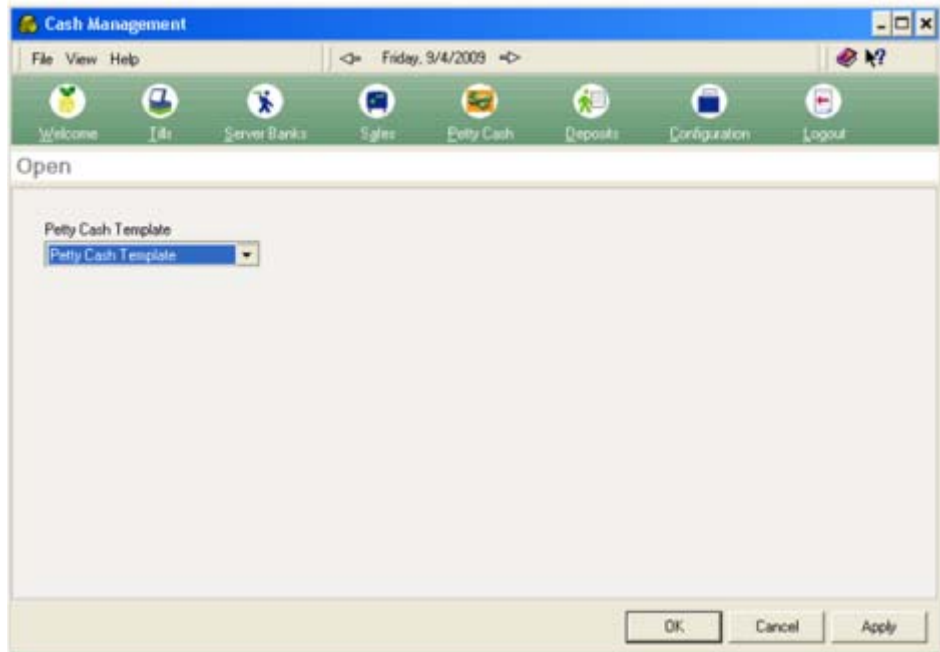
When the user clicks the 'Petty Cash' button, a new screen called 'Petty Cash' will be shown in the main working area of 'Cash Management'. The left side of the frame will be a tree view consisting of all active 'Petty Cash' accounts. The right side will be a list of actions that user can perform in this screen.

Open New Petty Cash

User must have 'Open Petty Cash' privilege to perform this action (see *POS Configurator / Employees / Employee Classes / Cash Management / Petty Cash Options*)



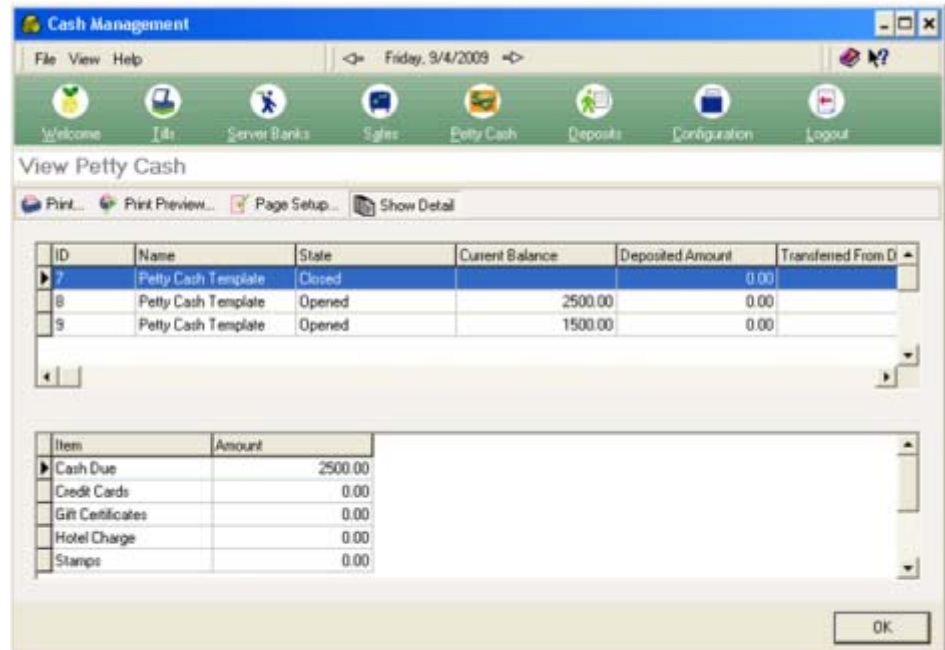
Once you have selected 'Open New Petty Cash', the following screen will display:



The petty cash receptacle name will default to the same name as the template. This receptacle can be renamed however, in a different screen. The petty cash receptacle also inherits the minimum balance and maximum balance from its template.

[View All 'Petty Cash'](#)

The user must have at least one of the seven new privileges listed above in the configuration section in order to view this section. Clicking this menu will allow the user to view all the petty cash receptacle's states, balances, and deposited amounts.



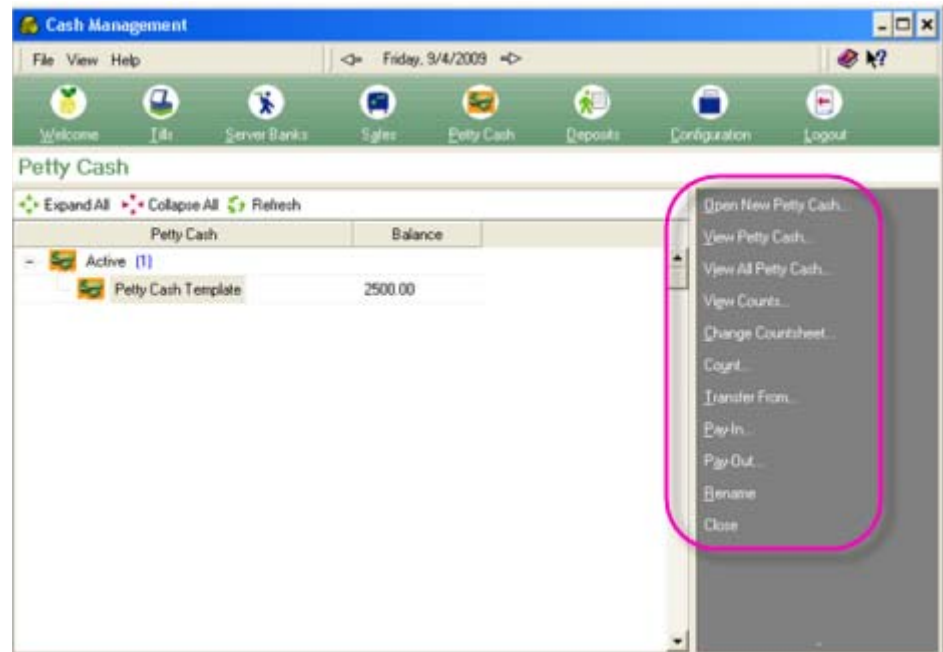
On this screen:

- ◆ The user can click “Show details” to see details of each ‘Petty Cash’.
- ◆ The user can click “Print Preview” to preview the report that shows states, balances, and deposited amount of all ‘Petty Cash’.
- ◆ The user can click “Print” to print the report that shows states, balances, and deposited amount of all ‘Petty Cash’.
- ◆ The user can click “Page Setup” to set up the printer.

[Highlighting an Individual 'Petty Cash' Receptacle](#)

Highlighting an individual petty cash receptacle in the ‘Petty Cash’ screen, will show all of the possible actions that can be performed for this particular petty cash.

Refer to the right panel of the screen below for all of the possible actions:



[‘View Petty Cash’ Menu](#)

This is similar to ‘View All Petty Cash’, however only single highlighted petty cash receptacle will show up in the screen or report.

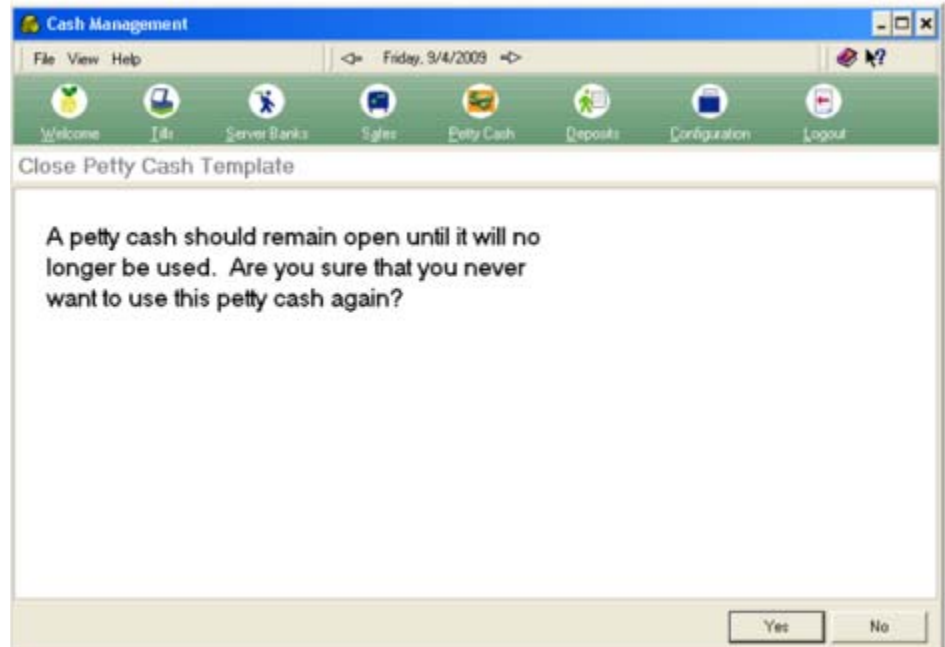
[‘Rename Petty Cash’ Menu](#)

The user must have the ‘Open Petty Cash’ privilege to perform this action (refer to the configuration section above). The user can assign a new name for a petty cash receptacle using this function.

[‘Close Petty Cash’ Menu](#)

The user must have the ‘Close Petty Cash’ privilege to perform this action (refer to the configuration section above). The user can choose [Yes] to close the petty cash or choose [No] to return to the main ‘Petty Cash’ screen. Once a petty cash is closed, the user can not perform any ‘Paid In’ or ‘Paid Out’ transfer on it.

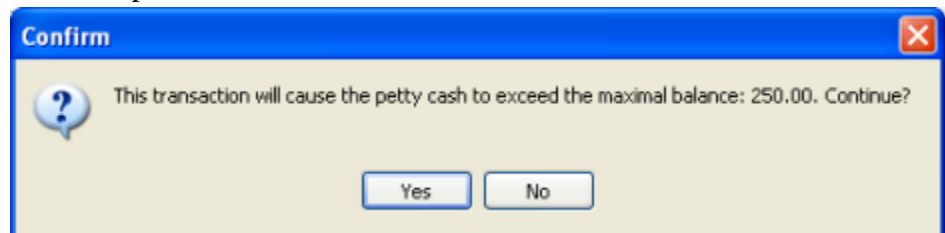
The following screen will appear when selecting this menu:



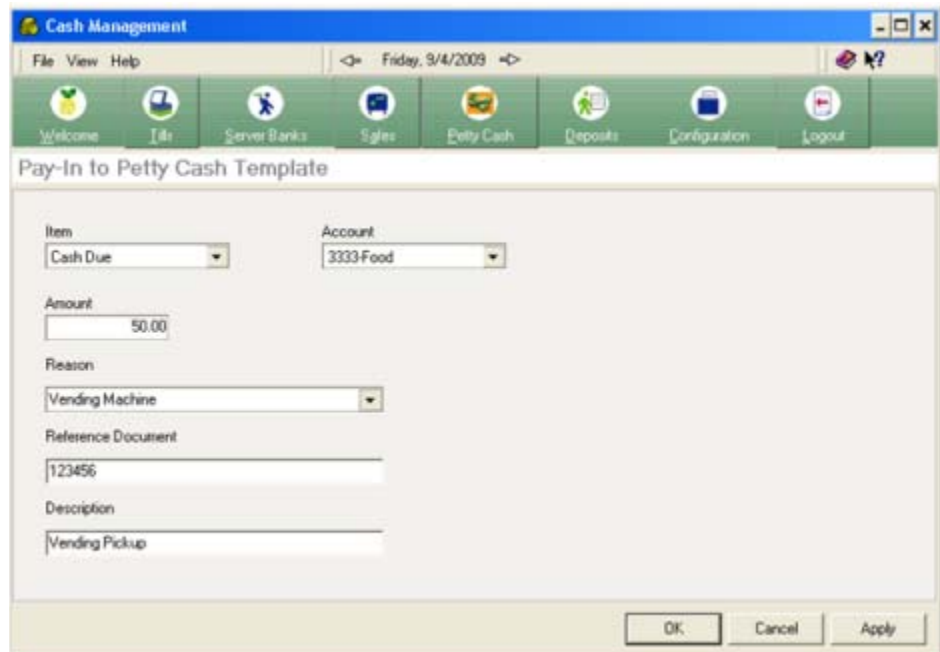
'Pay In' Transfer to 'Petty Cash'

The user must have the 'Paid In' privilege for 'Petty Cash' to perform this action (refer to the configuration section above). Select this menu to do a 'Paid In' to 'Petty Cash'. If a 'Paid In' causes the petty cash balance to exceed the maximum amount, a confirm dialog will appear.

For example:



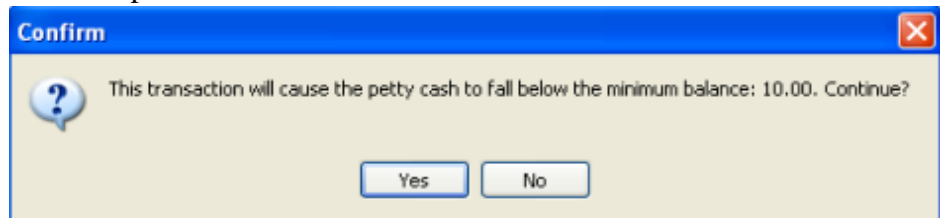
After selecting [Yes], the user is allowed to finish the transaction. The 'Paid In' Screen will appear:



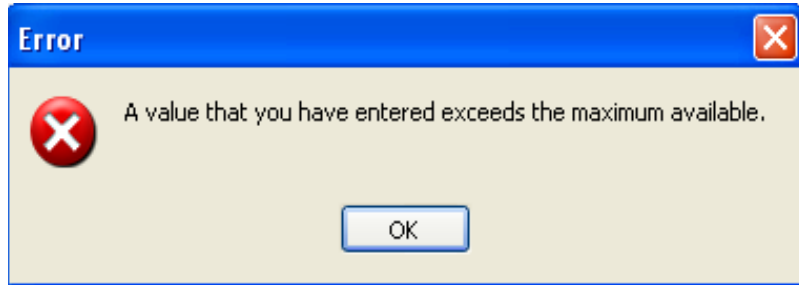
'Pay Out' Transfer to 'Petty Cash'

The user must have the 'Paid Out' privilege for Petty Cash to perform this action (refer to the configuration section above). Select this menu to perform a 'Paid Out' from the Petty Cash. If the 'Paid Out' causes the Petty Cash balance to fall below the minimum amount, a confirm dialog box will appear.

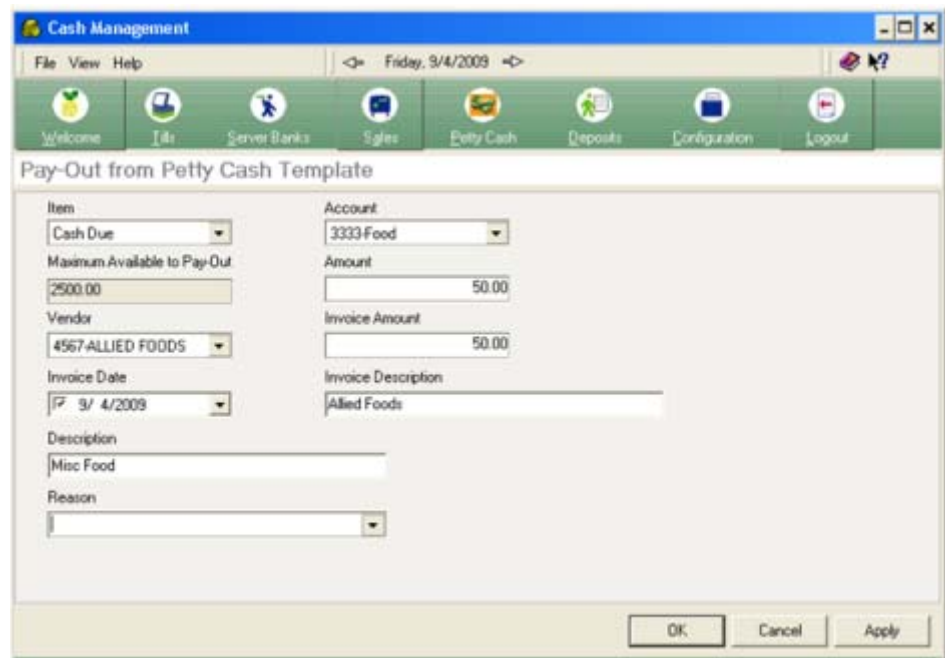
For example:



After selecting [Yes], the user will be allowed to finish the transaction. If a 'Paid Out' amount is more than the maximum available amount, this transaction will not be allowed. An error dialog will pop up:



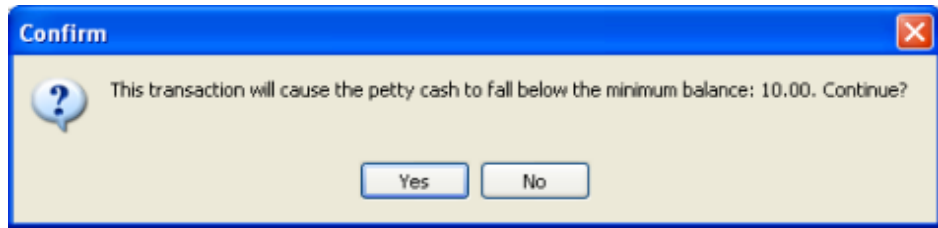
If the 'Paid Out' amount is below the maximum available amount, the 'Paid Out' screen will then appear:



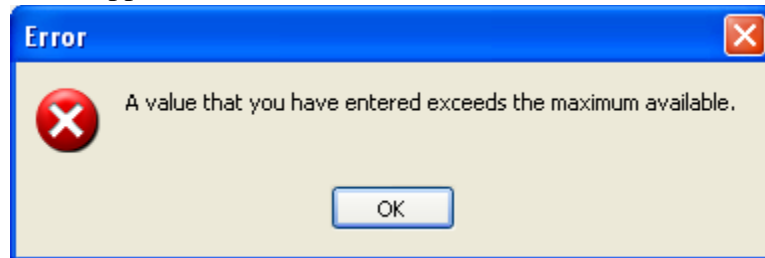
'Transfer From' Petty Cash

The user must have both 'Transfer From' privileges for the 'Source' receptacle and the 'Target' receptacle. For example, if a user wants to transfer from a petty cash to a safe, this user must have both 'Transfer from Petty Cash' and 'Transfer from Safe' privileges. Only open safes, tills/sever banks, and petty cash (excluding itself) are eligible for petty cash transfer-to candidates.

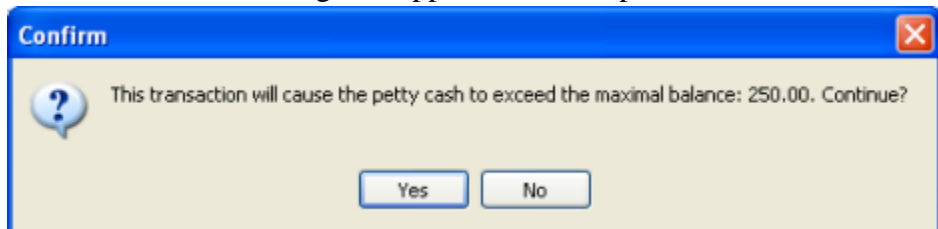
If a transfer-from causes the source Petty Cash balance to fall below its minimum amount, then a confirm dialog box will appear. For example:



After selecting [Yes], the user will then be allowed to finish the transaction. If the transfer-from amount is more than the maximum available amount, this transaction will not be allowed. An error dialog will box will appear:



If the transfer causes the destination petty cash to exceed the maximum balance, a confirm dialog will appear. For example:



After selecting [Yes], the user will then be allowed to finish the transaction, taking the user to the 'Transfer From' screen:

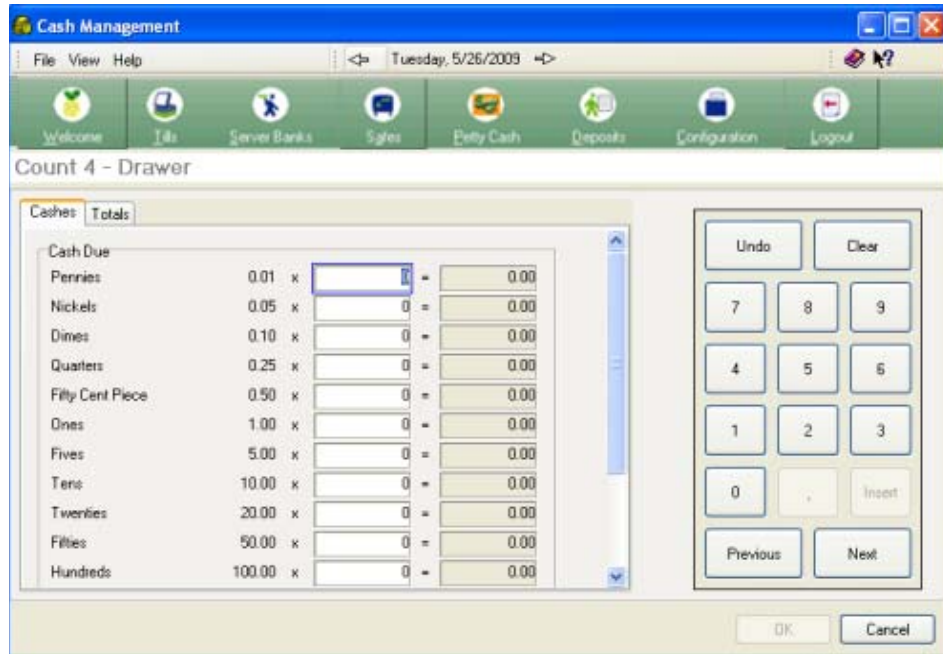
The screenshot shows a web application window titled "Cash Management" with a menu bar (File, View, Help) and a navigation bar containing icons for Welcome, Tills, Server Banks, Tills, Petty Cash, Deposits, Configuration, and Logout. The main content area is titled "Transfer From 4 - Drawer" and contains the following fields:

- Item: A dropdown menu with "Cash Due" selected.
- Maximum Available to Transfer: A text input field containing "5.22".
- Transfer Amount: A text input field containing "2".
- Transfer To: A dropdown menu with "Main Safe" selected.
- Reason: An empty text input field.

At the bottom right of the form are three buttons: "OK", "Cancel", and "Apply".

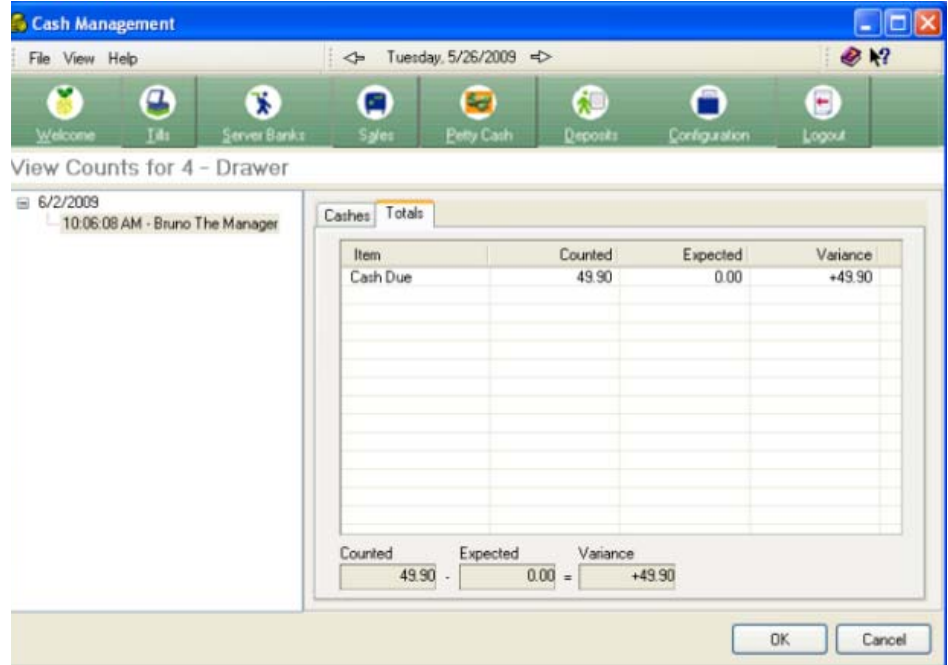
'Count' Petty Cash Menu

The user must have the 'Count petty cash' privilege to perform this action (refer to the configuration section above). The user may see a different counting screen, this depends on what counting sheet is assigned to the petty cash.



['View Counts' for Petty Cash](#)

The user must have the 'Count Petty Cash' and the normal 'View Total' privilege to perform this action (refer to the configuration section on pages 102 to 104). The user may see a different counting screen, this depends on what counting sheet is assigned to the Petty Cash.



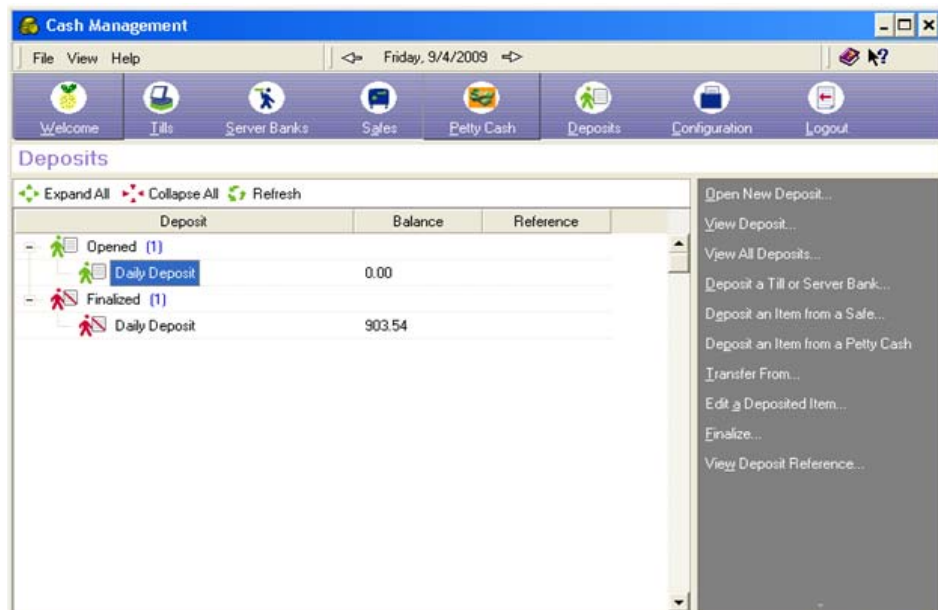
['Change Countsheet' for Petty Cash](#)

The user must have the 'Count Petty Cash' privilege to perform this action (refer to the configuration section on pages 102 to 104). This menu is used to change the assigned 'Count Sheet' for Petty Cash:

Depositing Petty Cash

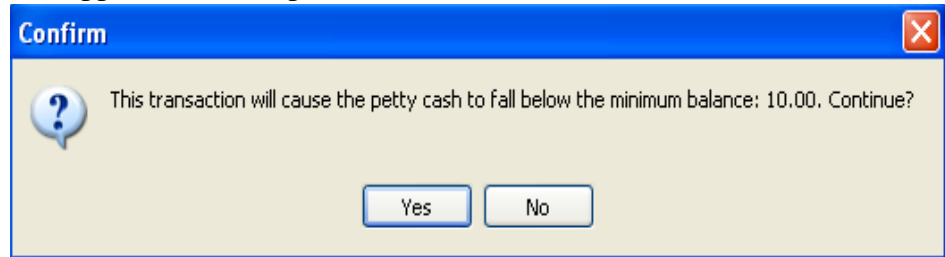
There are three deposit actions that a user can perform from the deposit screen.

- ◆ Deposit an Item from 'Petty Cash'
- ◆ Edit a Deposited Item - This is an existing function. Use this existing function to modify the deposit amount from petty cash.
- ◆ Transfer From - This is a new function. Cash Management normally does not allow a transfer from deposit to petty cash. This function was added for petty cash only. A user can only use this function to transfer from deposit to petty cash. While the user is finalizing the deposit, Cash Management will check all 'Petty Cash' receptacles to make sure that the balances of the 'Petty Cash' will not fall below/above the minimal/maximal balance.

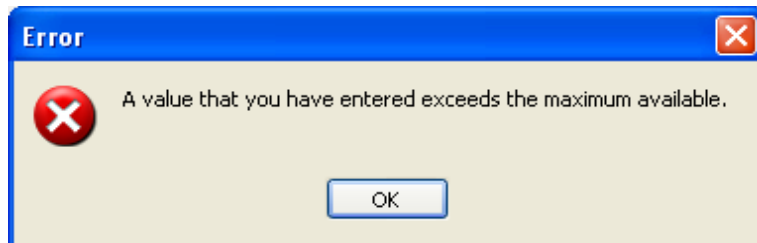


Depositing an Item from Petty Cash

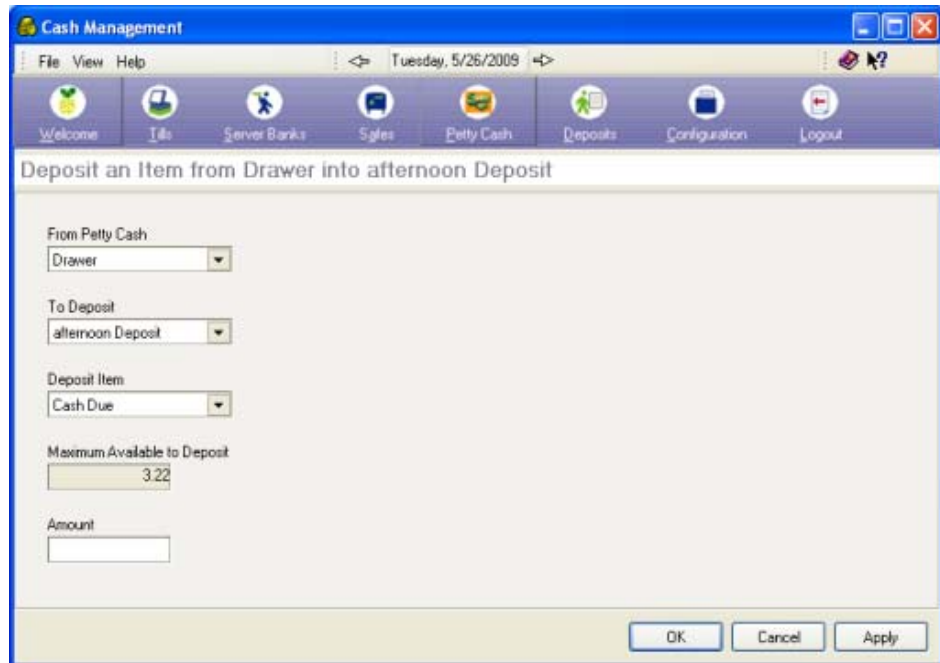
The user must have the 'Deposit from Petty Cash' privilege to use this function. Depositing an item from a petty cash is equivalent to a transfer from a deposit to petty cash. If this transaction causes the petty cash balance to fall below the minimum amount, then a confirm dialog box will appear. For example:



If the deposited item amount is more than what is available, then this is an error and the transaction will not be allowed. An error dialog box will appear:



If the deposited item amount is less than what is available, then the 'Deposit an Item from Petty Cash' screen will appear:



The screenshot shows a web application window titled "Cash Management" with a menu bar (File, View, Help) and a navigation bar with icons for Welcome, Info, Server Banks, Styles, Petty Cash, Deposits, Configuration, and Logout. The main content area is titled "Deposit an Item from Drawer into afternoon Deposit" and contains the following fields:

- From Petty Cash: Drawer (dropdown)
- To Deposit: afternoon Deposit (dropdown)
- Deposit Item: Cash Due (dropdown)
- Maximum Available to Deposit: 3.22 (text input)
- Amount: (empty text input)

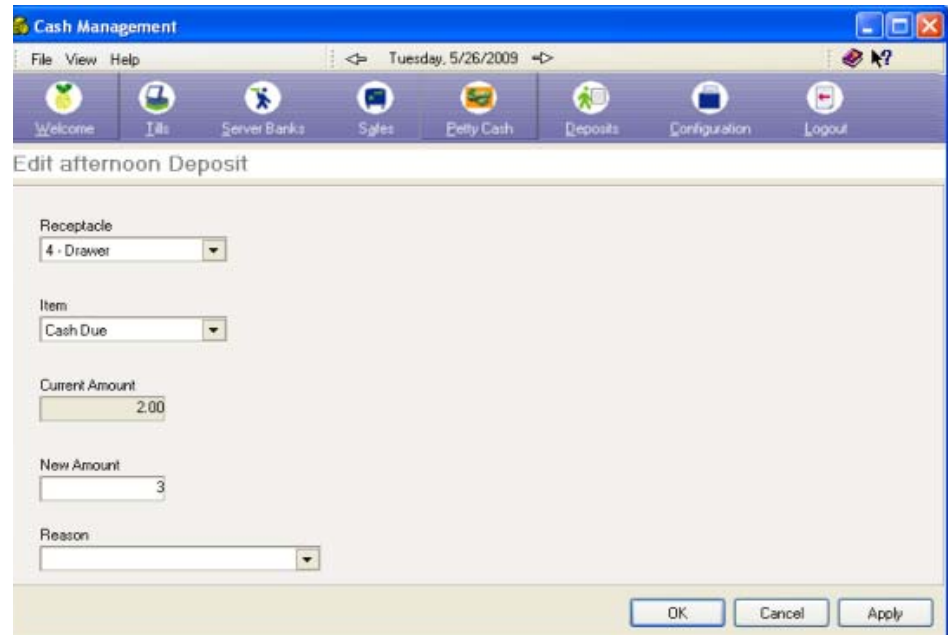
Buttons for OK, Cancel, and Apply are located at the bottom right.

Edit a Deposited Item

The user must have the 'Edit Deposit' privilege to perform this action. As noted at the beginning of this section, this function can be equivalent to a 'Transfer Out' or a 'Transfer In'. Therefore, it is possible that this transaction will cause the petty cash balance to fall above or below the maximum/minimum balance. If this happens, the same confirm dialog boxes will appear. The user must make a choice to continue the transaction or abort the transaction.

If the transaction causes the balance of the edited item to negative (i.e. try to deposit more than what is available in the Cash Management item of the 'Petty Cash') then this is an error and it is not allowed.

If the user decides to continue, and the transaction is not negative, the 'Edit Deposit' screen will appear:



Transfer from Petty Cash

This is a new feature, but is similar to the existing 'Transfer From' function. While performing a 'Transfer From' function to a deposit, the user is only allowed to transfer to 'Petty Cash'.

Petty Cash Report

A new report has been added to show all 'Paid In' and 'Paid Out' transactions for 'Petty Cash'.

- ◆ CMPettyCashPaidInOut.rpt

The new report template is 'CM Paid-in/out Report by Petty Cash'.

Navigate to the *Micros Applications / Reports / Autosequences and Reports | Reports* tab and select 'Cash Management'. The report will be shown in the list. The user can run the report manually from here. The report can be scheduled to run on a daily or weekly basis, as set up by the user.

What's Enhanced

There are no enhancements in this release.

What's Revised

A revision is defined as a correction made to any existing form, feature, or function currently resident in the 3700 POS software. To qualify as a revision, the change must satisfy the following criteria:

- ◆ The basic form, feature, or functionality must be part of the previous version of the software.
- ◆ The change must replace the current item or remove it from the application.

Additionally, all reported issues that are deemed to be BY DESIGN are included in this section as well. This issues will contain the preface **BY DESIGN** in front of the feature name.

Revisions Summarized

The table below summarizes the revisions included in this version.

Module	Feature	CR ID	Page
Database	Unable to Ring Checks After Re-Opening a Closed Till	N/A/ 36180	123

Database

Unable to Ring Checks After Re-Opening a Closed Till

CR ID #: N/A

SCR #: 36180

Previously, re-opening a closed till would not prompt for an employee to be assigned to it. This has been corrected.

Labor Management (LM)

What's New

There are no new features in this release.

What's Enhanced

There are no enhancements in this release.

What's Revised

A revision is defined as a correction made to any existing form, feature, or function currently resident in the 3700 POS software. To qualify as a revision, the change must satisfy the following criteria:

- ◆ The basic form, feature, or functionality must be part of the previous version of the software.
- ◆ The change must replace the current item or remove it from the application.

Additionally, all reported issues that are deemed to be BY DESIGN are included in this section as well. This issues will contain the preface **BY DESIGN** in front of the feature name.

Revisions Summarized

The table below summarizes the revisions included in this version.

Module	Feature	CR ID/ SCR	Page
Forecasting	Forecast Elements in a Concept Database could not be Configured	27117/ 36223	125
Human Resources	Employee Hourly Overtime Default Pay Rate Calculating Incorrectly	N/A/ 36428	126
	Access Violation Occurred when Exiting Human Resources	27906/ 36682	126
Payroll Preprocessing	Closing the Payroll Period no longer Causes a 'Division by Zero' Error	25108/ 34277	126

Forecasting

Forecast Elements in a Concept Database could not be Configured

CR ID #: 27117

SCR #: 36223

Previously, on an EM Corporate Server, it was not possible to configure the settings for the Forecasting elements (e.g., Family Group or RVC Sales) in *Labor Management | Forecasting| Historical Information* for a concept database. The following error occurred when trying to configure the settings other than 'System Sales': Unable to configure. This import is not linked to a historical information entry.' This has been corrected.

Human Resources

Employee Hourly Overtime Default Pay Rate Calculating Incorrectly

CR ID #: N/A

SCR #: 36428

Previously, the Employee Hourly Job Overtime 'Default Pay Rate' did not calculate correctly for tipped employees when using a two digit wage multiplier. The rate was off by one half penny.

The miscalculation occurred when the rate contained three digits after the decimal (i.e., 7.055). The decimal portion of the rate was rounded up to two digits (i.e.,-7.06) rather than a 3-digit decimal precise value. This rounding issue has been resolved and now the Overtime Default Pay Rate calculates correctly, precise to 3-decimal places, for tipped employees.

Access Violation Occurred when Exiting Human Resources

CR ID #: 27906

SCR #: 36682

Previously, after opening and closing *Human Resources / Availability* and the Human Resources application was the only application open, an access violation occurred when exiting. This has been corrected.

Payroll Preprocessing

Closing the Payroll Period no longer Causes a 'Division by Zero' Error

CR ID #: 25108

SCR #: 34277

Previously, a 'Division by zero' error occurred when trying to close a Payroll Period that used the Overtime Level 2. This was due to an error in the formula that was used to calculate the Overtime Level 2. This has been corrected.

Product Management (PM)

What's New

A new feature is defined as one that provides capabilities that were not available in previous versions of the application.

New Features Summarized

The table below summarizes the new features included in this version.

Module	Feature	Page
Inventory	Inventory Items are Prevented from Being Declared as Waste	128
	'Null' Quantity not Allowed when Counting Items	129
Setup	Recipe Mode Supported on Windows CE	129

New Features Detailed

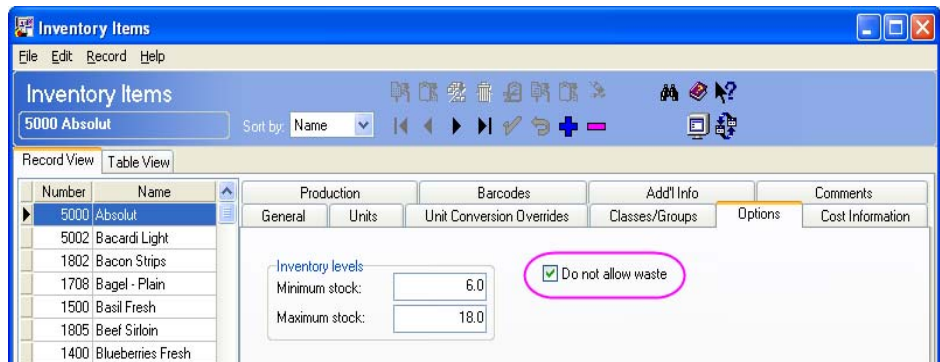
Inventory

Inventory Items are Prevented from Being Declared as Waste

CR ID #: N/A

SCR #: 36319

A new option bit, 'Do not allow waste' has been added. When enabled in the *PM / Setup / Inventory Items / Options* tab, the inventory item cannot be declared as waste and will not appear in the drop-down list under the item name in *PM / Inventory / Declare Allowance*.



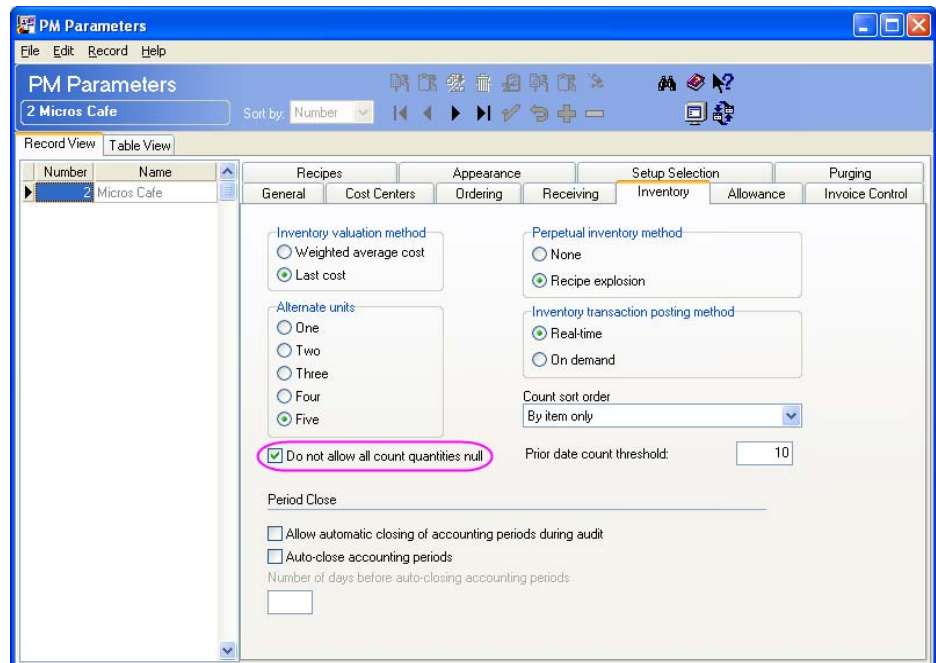
For more information on the corresponding POS Configurator option, see “Menu Items Restricted from Being Declared as Waste” on page 9.

'Null' Quantity not Allowed when Counting Items

CR ID #: 26981

SCR #: 36047

A new option, 'Do not allow all count quantities null' has been added. When enabled in *PM / Setup / PM Parameters / Inventory* tab, this restricts entering counts without adding a quantity for every item within the count sheet. This functionality applies to both new counts and count updates.



Setup

Recipe Mode Supported on Windows CE

CR ID #: N/A

SCR #: 36124

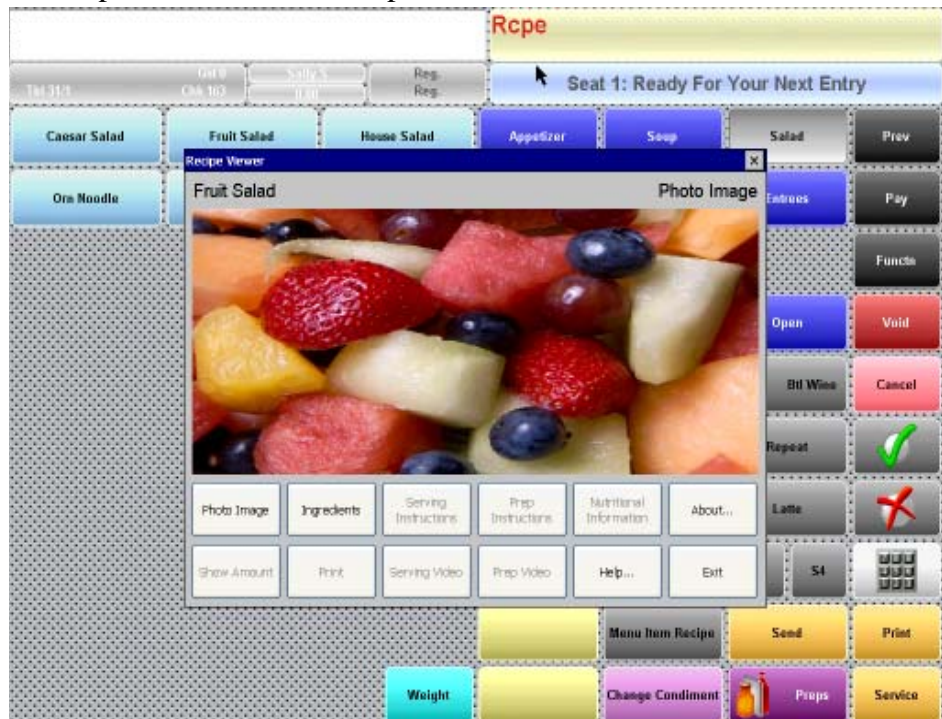
With this release, Recipe Mode is now supported on the Windows CE platform for the Workstation 4 and Workstation 5. This feature allows the operator to view the product, the ingredients and a description of the item in order to explain exactly what the product is to the customer.

With this release, Recipe Viewer will support new image and video types. The new image types are: jpg, jpeg, and gif. The new video types are: wmv, mpg, and mpeg. To add new images or videos, navigate to *PM / Setup / Recipes*.

In order to view a recipe file on a CE Client, the file (i.e. -*.wmv) must be copied into the */ MICROS / Res / Pos / Media Folder*. Images are streamed down to the client(s) via the 'Recipe Viewer Application'.

Features

The following image shows the Recipe Viewer after being launched by POS Operations via the 'Recipe Mode' feature.



Display

- ◆ Menu Item Text Box - The recipe that is currently being displayed.
- ◆ Active Mode Text Box - Displays the current view (i.e. photo image or ingredients).

Buttons

- ◆ Photo Image - View a photo of the Menu Item's Recipe.
- ◆ Ingredients - Displays the recipe in a tree view as created in PM.
- ◆ Serving Instructions - Displays the serving instructions as stored by PM.
- ◆ Prep Instructions - Displays the prep instructions as stored by PM.
- ◆ Nutritional Information - This button displays the nutritional information. Three columns (item, amount and unit) will be displayed.
- ◆ Show/ Hide Amount - This button toggles the display of the quantity in the ingredients tree. Controlled by the option bit 'Show Ingredient Amt' under *Employee Classes / Privileges / Privilege Options*.
- ◆ Print - Prints the active recipe data to the report printer that is configured for the workstation.
- ◆ Serving Video - This button plays the prep video configured in PM.
- ◆ Help - Displays the RecipeViewer.htm Help page that is stored on the RES server. Internet Explorer will be launched in full screen mode with all tool bars hidden.
- ◆ About - Displays the About Box with the version information for the application.
- ◆ Exit - Closes the application.

Display Priority

After the recipe data is retrieved from the server, the data is processed to determine what to display. Serving and Prep videos are not used in the display priority. The following is the order:

1. Photo Image
2. Ingredients
3. Serving Instructions
4. Prep Instructions
5. Nutritional Information.

Photos

Photos are stored on the RES server and are automatically streamed to the workstations. They are scaled to fit the picture box in the Recipe Viewer window.

Videos

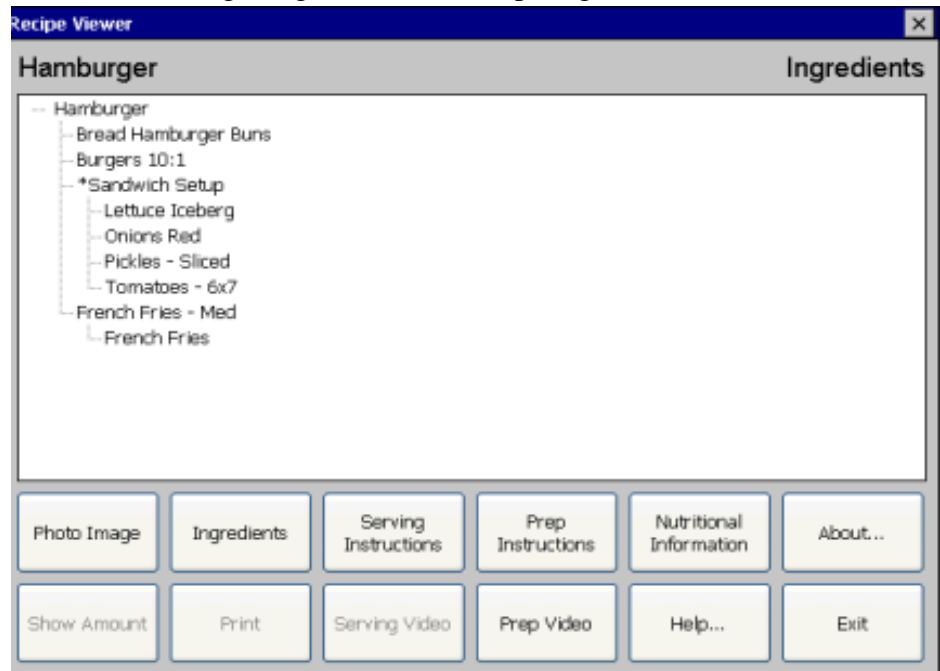
The videos need to be stored on the workstation in the *POS / Media* folder.

Pressing the video button while the video is running will pause the video, press the button again to resume playing. The video will loop once it has ended.

The video format that is support is platform dependent. The WMV file type is supported by Win32 and WinCE workstations.

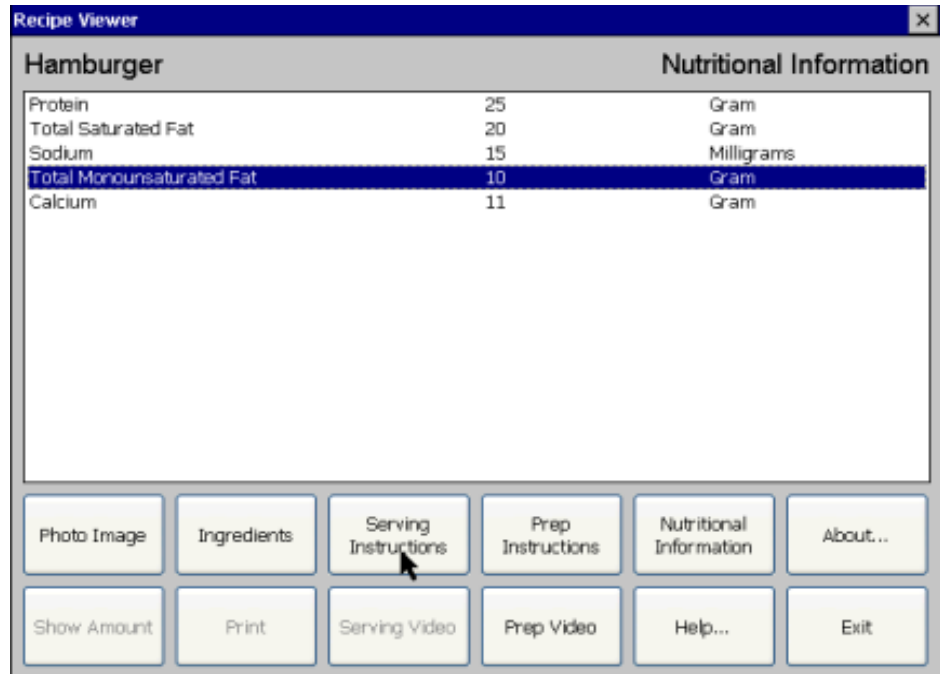
Ingredients

The following image shows the recipe ingredients in a tree view:



Nutritional Information

The following image shows the nutritional information in a columnar list view:



Hamburger		Nutritional Information
Protein	25	Gram
Total Saturated Fat	20	Gram
Sodium	15	Milligrams
Total Monounsaturated Fat	10	Gram
Calcium	11	Gram

Buttons: Photo Image, Ingredients, Serving Instructions, Prep Instructions, Nutritional Information, About...
Buttons: Show Amount, Print, Serving Video, Prep Video, Help..., Exit

Printing

The following types of printing are supported by the Recipe Viewer:

- Ingredients
- Serving Instructions
- Prep Instructions
- Nutritional Information

The following are examples of the 40 column reports:

Ingredients For
Cheeseburger

=====

- 1 slice Cheese - American
- 1 Each *Hamburger
 - 1 Each Bread Hamburger Buns
 - 1 Each Burgers 10:1
 - 1 Each *Sandwich Setup
 - 1 Leaf Lettuce Iceberg
 - 1 Ounce Onions Red
 - 1 Each Pickles - Sliced
 - 1 Each Tomatoes - 6x7
 - 1 Each French Fries - Med
 - 6 Ounce French Fries

=====

Serving Instructions For
Hamburger

=====

1. Place Hamburger On Bottom Half Of Bun And Place On A 10" Plate.
2. Place Top Of Bun Next To Burger.
2. Place sandwich Set Up Next To Cheeseburger, Garnish with Parsely.

=====

Nutritional Information For
Cheeseburger

=====

- Protein
28 Gram
- Calcium
24 Gram
- Potassium
11 Gram
- Sodium
15 Milligrams
- Total Saturated Fat
30 Gram

=====

Command Line Parameters

The application will accept command line parameters from POS Operations, Signed In Employee, Menu Item Sequence and the Menu Level Sequence Number. Using these parameters, the Recipe Viewer will display the information in the database.

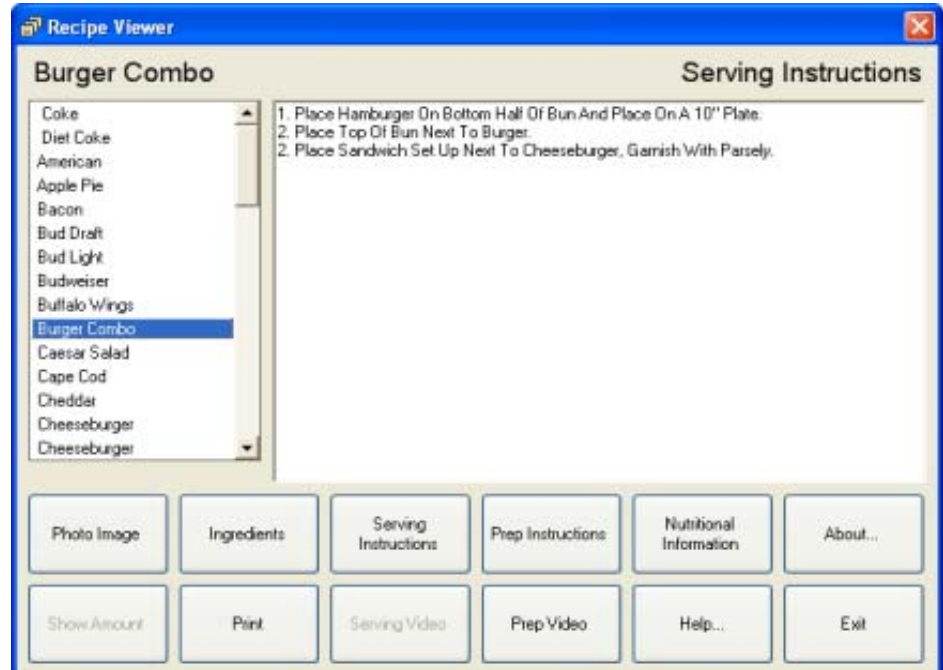
Standalone Mode

Since the Recipe Viewer is an executable, the application can be run in standalone mode. When run in standalone mode, the following screen will be displayed:



Clicking on a recipe in the list box will display the recipe information for that item. Only recipes from menu level 1 are shown in the list box. The list box is implemented as a virtual list, and the recipes are retrieved from the database in sets of 100 which are then stored in the applications memory.

As the user scrolls down the list of recipes, more recipes will be retrieved from the RES Server. The following image shows the Recipe Viewer after a recipe has been selected:



Security

Recipe Viewer has Built In Security, Classic and Complex, as well as the ability to pass security information as a command line parameter. The login dialog box will be displayed when it is launched in Standalone Mode. See the Alert Viewer's specifications for details.

Installation

The RecipeViewer.exe is installed in the *MICROS / Common / bin* folder. The Recipe Viewer makes use of the Micros Remoting Service. If this service is not running an error message will be displayed.

What's Enhanced

There are no enhancements in this release.

What's Revised

A revision is defined as a correction made to any existing form, feature, or function currently resident in the 3700 POS software. To qualify as a revision, the change must satisfy the following criteria:

- ◆ The basic form, feature, or functionality must be part of the previous version of the software.
- ◆ The change must replace the current item or remove it from the application.

Additionally, all reported issues that are deemed to be BY DESIGN are included in this section as well. This issues will contain the preface **BY DESIGN** in front of the feature name.

Revisions Summarized

The table below summarizes the revisions included in this version.

Module	Feature	CR ID/ SCR	Page
Inventory	Primary Key Remained Not Unique when Modifying Allowances Multiple Times	25041/ 34221	139
	BY DESIGN: Copy and Paste Record Functions are Disabled if Sorting by Name	23189/ 31580	139
	Error Occurred when Attempting to Update/Modify Existing Count	27655/ 36593	140
	'BOHtotals3700' mymicros.net Script Did Not Work as Expected if Suspended Receipts were Present	26624/ 36427	140
	Inventory Count Task Created for a Concept Database Would Save in Master Database	27840/ 36635	141

Module	Feature	CR ID/ SCR	Page
Reports	Purchase Log Summary Report Subtotals Correctly	24880/ 34018	141
	Cost Variance Impact Analysis and Menu Item Theoretical Cost of Sales Reports Subtracted Negative Discount	N/A/ 27513	142
Vendor Bids	Print Bid Request Form Generated Error	27913/ 36684	142

Inventory

Primary Key Remained Not Unique when Modifying Allowances Multiple Times

CR ID #: 25041

SCR #: 34221

Previously, after modifying allowances multiple times, the user would receive Primary Key Error 'DIRTY_INVEN_TRANS_DTL was not unique.' This issue occurred after receiving all items in a recipe, declaring an allowance for the recipe, and then modifying the allowance for the recipe multiple times within *PM | Inventory | Modify Allowance*. This has been corrected.

BY DESIGN: Copy and Paste Record Functions are Disabled if Sorting by Name

CR ID #: 23189

SCR #: 31580

The following copy and paste record functions are disabled by design on the *Inventory Item*, *Recipe*, and *Vendor* forms when the user sorts by name.

For example, after navigating to *PM / Setup / Inventory Items*, the following functions will be disabled by design if the records are sorted by name: Copy records, Paste records, Block Copy/Paste, and Block Delete. These functions will be enabled and available for use if sorting records by number.

Error Occurred when Attempting to Update/Modify Existing Count

CR ID #: 27655

SCR #: 36593

Previously, if it was the first day of the first accounting period, the following error occurred when trying to update or modify an existing Inventory Count: 'adoTasks: Missing SQL Property Error'. For example, if PM is setup to use calendar year accounting periods and the first month is January, and an attempt is made to update or modify a count on the first day of the month, PM would error. This has been corrected.

'BOHtotals3700' mymicros.net Script Did Not Work as Expected if Suspended Receipts were Present

CR ID #: 26624

SCR #: 36427

Previously, if packing slips or invoices were suspended in PM that contained Inventory items with a null quantity, the stored procedure 'speo_update_rcv_ttl' produced the error, "Column 'qty' in table 'RVC_TTL' cannot be NULL."

A correction was made to this stored procedure by adding a statement that will only post the reconciled packing slips to table RVC_TTL and not the suspended records, which can have a null quantity.

Inventory Count Task Created for a Concept Database Would Save in Master Database

CR ID #: 27840

SCR #: 36635

Previously, when a new Inventory Count Task was created for a Concept Database, it would save to the Master Database. This allowed the Master Database and all Concept Databases to have access to the same Inventory Count Task. This is incorrect. Any Count Task created in the Concept DB should only be saved to that concept. This has been corrected.

Note: This is a fix for an EM Corporate Environment using Concept Databases

Reports

Purchase Log Summary Report Subtotals Correctly

CR ID #: 24880

SCR #: 34018

Previously, the Purchase Log Summary Report did not subtotal correctly if different quantities were received for a day or specific period of time. For example, the subtotal was incorrect after receiving items without a purchase order. In this example, the items received were:

- ◆ 1 Case of Soda, Cost \$15
- ◆ 2 Cases of Soda, Cost \$15
- ◆ 1 Case of Soda, Cost \$15

The Purchase Log Summary Report would show the subtotal incorrectly as '3' instead of '4'. This has been corrected.

***Cost Variance Impact Analysis and Menu Item Theoretical
Cost of Sales Reports Subtracted Negative Discount***

CR ID #: N/A

SCR #: 27513

Previously, the formula used in the Cost Variance Impact Analysis (RecipeCostVarImpact.rpt) and Menu Item Theoretical Cost of Sales (RecipeTheoCost.rpt) reports incorrectly subtracted negative discounts. This has been corrected.

Vendor Bids

Print Bid Request Form Generated Error

CR ID #: 27913

SCR #: 36684

Previously, when attempting to print the Bid Request Form in Product Management, the following error occurred: General SQL error. [Sybase] [ODBC Driver] [Adaptive Server Anywhere] Wrong number of values for INSERT. This has been corrected.

Financial Management (FM)

What's New

There are no new features in this version of the software.

What's Enhanced

There are no enhancements in this version of the software.

What's Revised

There are no revisions in this version of the software.

RES Platform

Introduction

This chapter comprises changes made to the RES Platform, which includes the following applications:

- ◆ MICROS Desktop
- ◆ License Manager
- ◆ Reports Explorer
- ◆ Language Translation Utility
- ◆ System Security
- ◆ Database Manager

What's New

There are no new features in this version of the software.

What's Enhanced

There are no enhancements in this version of the software.

What's Revised

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Additionally, all reported issues that are deemed to be BY DESIGN are included in this section as well. This issues will contain the preface **BY DESIGN** in front of the feature name.

Revisions Summarized

There are no revisions with this released.