

Cash Rounding

Feature Reference

Date: February 17, 2026



Cash Rounding

Using this Feature Reference

This Feature Reference provides detailed information on how to configure and use the cash rounding feature on the Verifone Commander.

This document contains the following subsections:

- **Overview** - This section contains a brief description, requirements and the supported hardware configurations for the feature on Verifone Commander.
- **Using** - This section describes how to prepare Verifone Commander for the feature.
- **Configuring** - This section contains information on how to configure the feature on Verifone Commander.
- **Reporting** - This section contains a sample report with a detailed report description for the feature on Verifone Commander.

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Revision History

Date	Description
01/05/2026	Initial Document
01/08/2025	Fixed internal review comments

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OVERVIEW

Feature Description

With the discontinuation of the U.S. penny, all cash transactions can be rounded to the nearest five cent increment. Our POS system, billing, and reporting systems will properly handle rounding, eliminate penny references, and remain compliant with the new standards.

The following System Properties can be configured:

- `cash.rounding.enabled` = true or false
- `cash.rounding.strategy` = NEAREST, UP, or DOWN
- `cash.rounding.adjustment` = 0.05, 0.10, or 1.00

If no values or incorrect values are entered, the system will use the default values (false, NEAREST, and 0.05).

Cash rounding occurs only for cash transactions and applies after taxes, fees, and discounts have been calculated.

Note:

- Round down benefits the customer. Refund of a round down transaction also benefits the customer. See sample refund receipt in the document.
- Round up benefits the site. Refund of a round up transaction also benefits the site. See sample refund receipt in the document.
- Round nearest tends to even out transactions
- Check with local laws and regulations to ensure the round policy chosen complies

Requirements

Supported Hardware Configurations

- Verifone Commander with C18

Software Requirements

- Verifone Commander Release 55.02.08 and above

CONFIGURATION

System Properties

Go to **Configuration Client > Initial Setup > System Properties**

System Properties

System Property

Name:

Value:

allow.concurrent.scanner = 'yes'
allow.sco.fuelPrepay = 'no'
auto.printPd.report = 'no'
cash.rounding.adjustment = '0.05'
cash.rounding.enabled = 'true'
cash.rounding.strategy = 'NEAREST'
Dailymsg.poll.interval = '0'
DailyMsa.scroll.interval = '5'

Use the following system properties to enable cash rounding, set the value to round to, such as 0.05, and how to round transactions, such as NEAREST.

Property	Values	Default	Description
cash.rounding.adjustment	0.05, 0.10, 0.25 1.00	0.05	Rounding adjustment amount
cash.rounding.enabled	true, false	false	Master switch for cash rounding feature
cash.rounding.strategy	NEAREST, DOWN UP,	NEAREST	Rounding strategy to apply

If no values or incorrect values are entered, the system will use the default values (false, NEAREST, and 0.05).

Round to Nearest (NEAREST strategy)

This strategy rounds the cash transaction up or down to the nearest rounding value defined in system properties (for example 0.05 or 5 cents).

Calculate the remainder when dividing the amount by 5 cents

If remainder is 0: Amount is already on nickel boundary, return unchanged

If the remainder is 1 or 2 cents: Round down to the lower nickel boundary

If the remainder is 3 or 4 cents: Round up to the higher nickel boundary

Examples

\$10.01 -> \$10.00 (remainder 1, round down by 1 cent)

\$10.02 -> \$10.00 (remainder 2, round down by 2 cents)

\$10.03 -> \$10.05 (remainder 3, round up by 2 cents)

\$10.04 -> \$10.05 (remainder 4, round up by 1 cent)

\$10.05 -> \$10.05 (remainder 0, return unchanged)

\$10.06 -> \$10.05 (remainder 1, round down by 1 cent)

\$10.07 -> \$10.05 (remainder 2, round down by 2 cents)

\$10.08 -> \$10.10 (remainder 3, round up by 2 cents)

\$10.09 -> \$10.10 (remainder 4, round up by 1 cent)

Round Down (DOWN strategy)

This Strategy will round all cash transactions down to the rounded value defined in system properties (for example 0.05 or 5 cents).

Calculate the remainder when dividing the amount by 5 cents

If remainder is 0: Amount is already on nickel boundary, return unchanged

If the remainder is non-zero: Subtract the remainder to reach the lower nickel boundary

Examples

\$10.01 -> \$10.00 (subtract 1 cent)

\$10.02 -> \$10.00 (subtract 2 cents)

\$10.03 -> \$10.00 (subtract 3 cents)

\$10.04 -> \$10.00 (subtract 4 cents)

Round Up (UP strategy)

This Strategy will round all cash transactions up to the rounded value defined in system properties (for example 0.05 or 5 cents).

Calculate the remainder when dividing the amount by 5 cents

If remainder is 0: Amount is already on nickel boundary, return unchanged

If remainder is non-zero: Add the difference needed to reach the next nickel boundary

Adjustment amount: (5 - remainder) cents

Examples

\$10.01 -> \$10.05 (add 4 cents)

\$10.02 -> \$10.05 (add 3 cents)

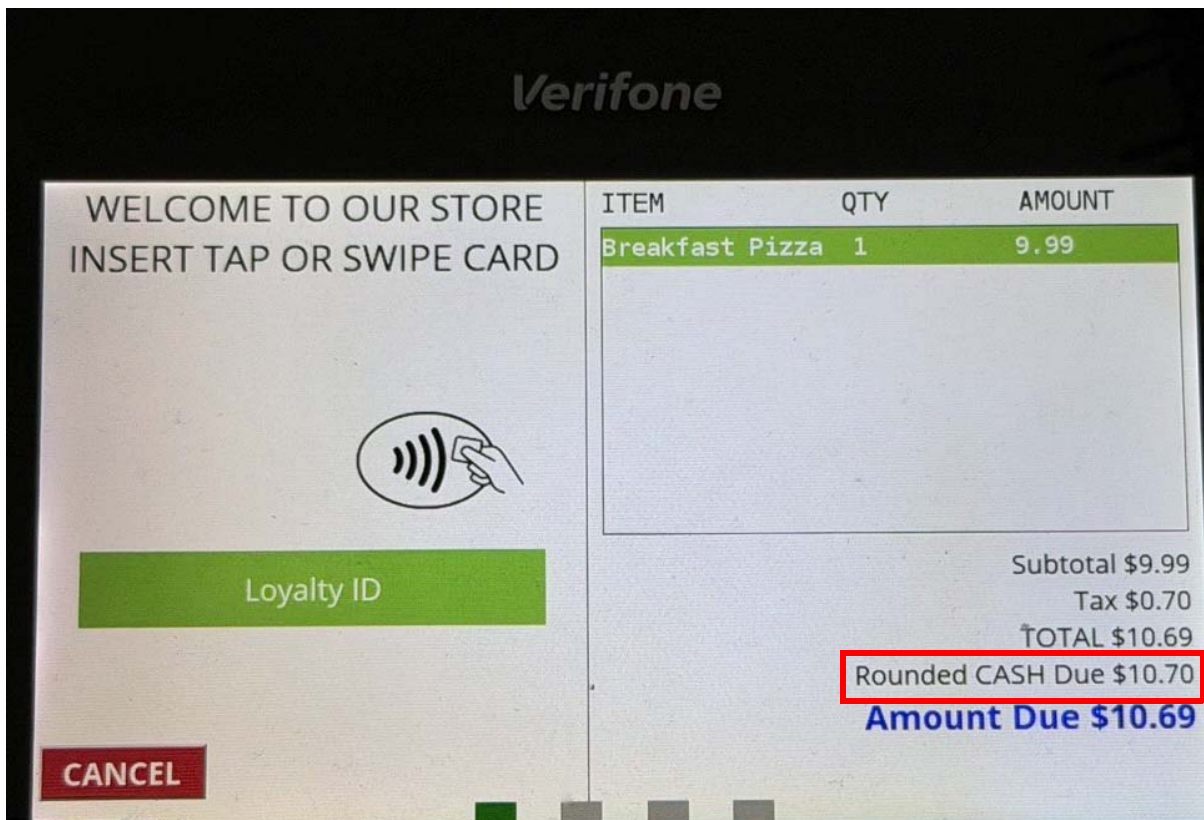
\$10.03 -> \$10.05 (add 2 cents)

\$10.04 -> \$10.05 (add 1 cent)

DISPLAY AND RECEIPTS

PIN Pad Display

A new Rounded CASH Due line is listed to show what the amount will be for cash customers. Non-cash paying customers will continue to pay the exact amount due that's listed below it.



POS Display

POS receipt window displays a line showing the cashier the rounded cash due amount for customers that pay with cash. After the transaction is finalized, the rounding adjustment line is displayed showing how much was added or subtracted to get to the rounded amount due.

Only rounded amounts are allowed to be tendered with cash. If the cashier tries to enter a non-rounded amount (e.g. 10.69), they will get an invalid amount error.

Rounded Cash Due Line

Description	Qty	Amount
Breakfast Pizza	1	9.99
Subtotal		
		\$9.99
Tax		
		\$0.70
TOTAL		
		\$10.69
Rounded CASH Due		
		\$10.70
Amount Due		\$10.69

Rounding Adjustment Line After Payment

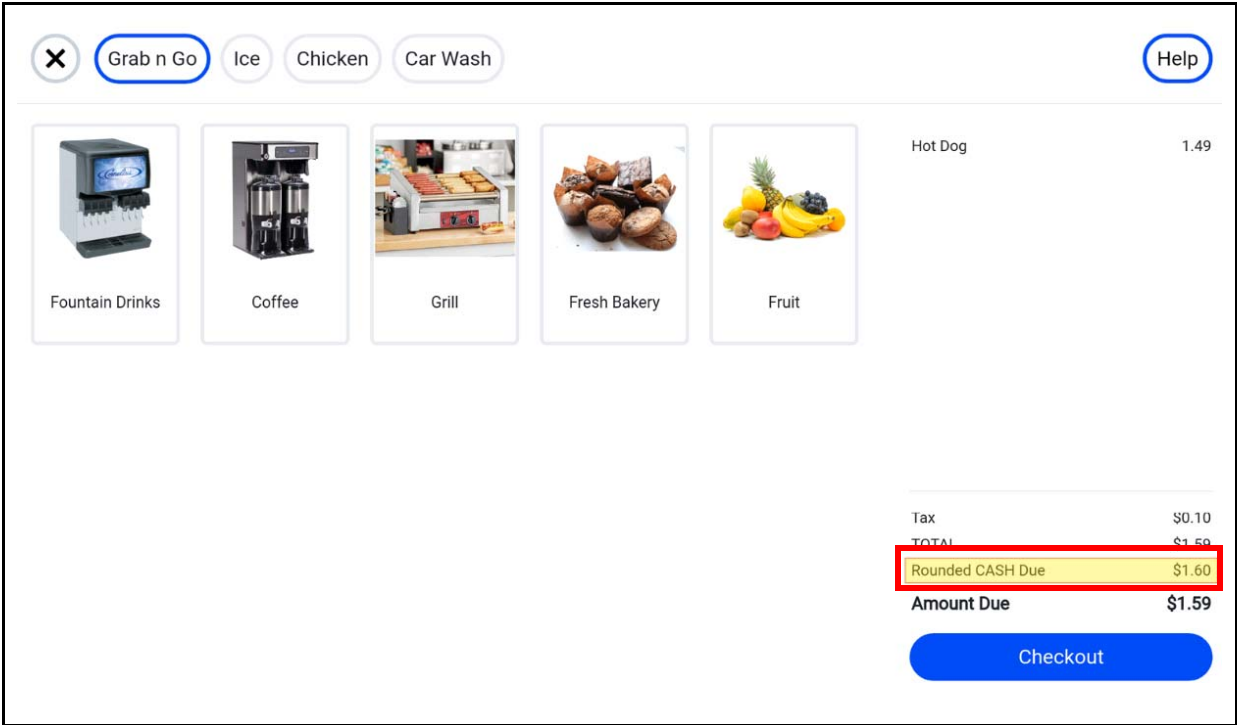
[illegible]

Change with Rounding Adjustment

Description	Qty	Amount
House Chips	1	1.29
House Chips	1	1.29
Subtotal		
Tax		\$2.58
TOTAL		\$0.18
CASH		\$2.76
Rounding Adjustment		\$5.00
Change		\$-2.25

SCO Display

SCO will show the rounded cash due line for customers that choose to pay with cash at checkout.



Receipts

Rounded cash receipts will show the rounding adjustment on a separate line so that the cash tendered plus the adjustment will equal the total.

WELCOME TO OUR STORE VP13007411001 VeriFone Gold Disk FL		
Description	Qty	Amount
T Breakfast Pizza	1	9.99
Subtotal		9.99
Tax		0.70
TOTAL		10.69
CASH \$		10.70
Rounding Adjustment \$		-0.01
ST#AB123	DR#1 TRAN#1010002	
CSH: 1	12/5/25 5:01:14 PM	

Split Tender Receipts

WELCOME TO OUR STORE VP13007411001 VeriFone Gold Disk FL		
Description	Qty	Amount
-----	---	-----
T House Chips	1	1.29
T House Chips	1	1.29
T House Chips	1	1.29
T House Chips	1	1.29
Subtotal		5.16
Tax		0.36
TOTAL		5.52
CASH \$		2.00
CREDIT \$		2.00
CASH \$		1.50
Rounding Adjustment \$		0.02
SALE Receipt		
Mastercard USD\$2.00		
Acct/Card #: *****4111		
Entry Method: Contactless ICC		
Auth #: 12345		
Resp Code: 1		
Stan: 0001158		
Invoice #: 158		
SITE ID: VP13007411001		

Down Strategy Sales and Equivalent Refund Receipts

A site using the round down strategy, will benefit the customer on sales and refunds.

Sales Receipt

Description	Qty	Amount
-----	---	-----
! PLU-AF	1	19.50
+T Tax on Rebate of \$2.50		

Subtotal		19.50
Tax		0.18
TOTAL		19.68
CASH \$		19.65
Rounding Adjustment	\$	0.03
! Includes 15.000% Data Tax	\$	2.54
Tax Type	Purchase Rebate	Taxable Tax
T(7.000%)	16.96 2.50	2.50 0.18
! (15.000%)	16.96 0.00	16.96 2.54

Refund Receipt

R E F U N D				
Description	Qty	Amount		
-----	---	-----		
IR PLU-AF	1	-19.50		
+T Tax on Rebate of	\$-2.50			

	Subtotal	-19.50		
	Tax	-0.18		
	TOTAL	-19.68		
	CASH \$	-19.70		
	Rounding Adjustment	\$ 0.02		
! Includes 15.000% Data Tax	\$	-2.54		
Tax Type	Purchase	Rebate	Taxable	Tax
T(7.000%)	-16.96	-2.50	-2.50	-0.18
!(15.000%)	-16.96	0.00	-16.96	-2.54

Up Strategy Sales and Equivalent Refund Receipts

A site using the round up strategy, will benefit the site on sales and refunds.

Sales Receipt

Description	Qty	Amount
-----	---	-----
! PLU-AF	1	19.50
+T Tax on Rebate of \$2.50		

Subtotal		19.50
Tax		0.18
TOTAL		19.68
CASH \$		19.70
Rounding Adjustment \$		-0.02
! Includes 15.000% Data Tax		\$ 2.54
Tax Type	Purchase Rebate	Taxable Tax
T(7.000%)	16.96 2.50	2.50 0.18
!(15.000%)	16.96 0.00	16.96 2.54

Refund Receipt

R E F U N D				
Description	Qty	Amount		
-----	---	-----		
IR PLU-AF	1	-19.50		
+T Tax on Rebate of \$-2.50				
	Subtotal	-19.50		
	Tax	-0.18		
	TOTAL	-19.68		
	CASH \$	-19.65		
	Rounding Adjustment	\$ -0.03		
! Includes 15.000% Data Tax	\$	-2.54		
Tax Type	Purchase	Rebate	Taxable	Tax
T(7.000%)	-16.96	-2.50	-2.50	-0.18
!(15.000%)	-16.96	0.00	-16.96	-2.54

Receipt with Change

```
WELCOME TO
OUR STORE
VP13007411001
VeriFone Gold Disk
FL

Description      Qty      Amount
-----
T House Chips    1        1.29
T House Chips    1        1.29
-----
Subtotal                2.58
Tax                    0.18
TOTAL                  2.76
CASH $                 5.00
Rounding Adjustment $   0.01
Change $              -2.25

ST#AB123              DR#1 TRAN#1010041
CSH: 1                12/5/25 9:55:03 PM
```

Fuel Prepay Completion Receipt

```
WELCOME TO
OUR STORE
VP13007411001
VeriFone Gold Disk
FL

Description      Qty      Amount
-----
UNLD1 CA #01    3.403G        3.78
SELF @ 1.111/ G
-----
Subtotal                3.78
TOTAL                  3.78
CASH $                10.00
CASH $               -6.20
Rounding Adjustment $   -0.02

ST#AB123              DR#1 TRAN#1010065
CSH: 1                12/6/25 4:23:21 PM
```

Fuel Prepay with Items Receipt

```
WELCOME TO
OUR STORE
VP13007411001
VeriFone Gold Disk
FL

Description      Qty      Amount
-----
UNLD1 CA #01      2.697G      2.99
  SELF @ 1.111/ G
T House Chips          1      1.29
-----
Subtotal              4.28
Tax                   0.09
TOTAL                 4.37
CASH $               10.00
CASH $                -5.65
Rounding Adjustment $    0.02

ST#AB123          DR#1 TRAN#1010069
CSH: 1           12/6/25 4:29:00 PM
```

Rounding Adjustment with Loyalty Receipt

WELCOME TO OUR STORE VP13007411001 VeriFone Gold Disk FL		
Description -----	Qty ---	Amount -----
T Waffle Fries	1	2.19
T French Fries	1	1.49
T Breakfast Pizza Sli	1	1.99
T Breakfast Pizza	1	9.99
Subtotal		15.66
Tax		1.10
DISCOUNT		-0.25
TOTAL		16.51
CASH \$		16.50
Rounding Adjustment \$		0.01
Loyalty Program: PROGRAM01		
Card: AA		
Acct # : *****5555		
Trace #: 17		
Stan: 0001123		
Thanks for Shopping with Us		
Enjoy Your Rewards		
Come back soon		

Tlog includes Rounding Adjustment payline.

sale
Ticket: 1010002 Date/Time: 2025-12-05 17:01 Duration: 260 Seconds Register: 101 Cashier: CORPORATE (id:1) Store Num: AB123
Unique ID: 1764951448000-CIEVT2013-0000000246

Desc	PLU	Cat	Dept	Unit Price	Qty	Total	Network Code	Applied Tax Type
Breakfast Pizza	00000000010047	000	Breakfast	9.99	1	\$9.99	500	State Sales Tax

MOP: CASH Amount: \$10.70

MOP: Rounding Adjustment Amount: \$-0.01

Total Non Tax: \$9.99 Total Tax: \$0.70 Total Trans Amount: \$10.69

REPORT

Summary Report

On the POS goto to **CSR Func > Reporting Menu > Flash Reports > Summary Report**

Summary Report with rounding adjustment. The report shows the net of rounding adjustments that occurred during the period along with the number of transactions that were rounded.

Summary Report all Registers

Store Number: AB123

Period Information		
Period	Current - Day - 1	
Open Period	2025-12-08 10:16	
Close Period	Pending	

Summary - All Registers

Category	Count	Amount
MOP Sales		69.58
MOP Cancel Refund		(25.79)
MOP Unsettled Balance		0.00
MOP Unsettled Change		(0.00)
Net Sales Total		43.79
Payment Out		(0.00)
Payment In		0.00
Tot to Account For		43.79
MOP Sales		
CREDIT - Card Based	2	4.56
Rounding Adjustment	8	-0.01
CASH	8	45.05
FOODSTAMP	2	19.98
Tot MOP Sales		69.58
MOP Cancel/Refund		
Rounding Adjustment	3	-0.01
CASH	3	25.80
Tot MOP Cancel/Refunds		(25.79)
MOP Unsettled Balance		
Tot MOP Unsettled Balance		0.00
MOP Unsettled Change		
Tot MOP Unsettled Change		(0.00)

Cashier Report

Cashier Report with rounding adjustment. The report shows the net of rounding adjustments that occurred during the period along with the number of transactions that were rounded.

Cashier Report

Store Number: AB123

Cashier Period Information

Cashier	1 - CORPORATE
Register	101
Receipts	1010101 - 1010112 Total - 12 Actual - 12
Sequence #	7
Open Period	2026-01-08T05:37:34-05:00
Close Period	Pending
MOP amounts entry	Pending

Summary

Category	Count	Amount
MOP Sales		185.38
MOP Cancel Refund		(29.30)
MOP Unsettled Balance		0.00
MOP Unsettled Change		(0.00)
Net Sales Total		156.08
Payment Out		(0.00)
Payment In		0.00
Tot to Account For		156.08

MOP Sales

Rounding Adjustment	7	0.03
USD	8	185.35
Tot MOP Sales		185.38

MOP Cancel/Refund

USD	2	29.30
Tot MOP Cancel/Refunds		(29.30)