

CoPOS Transaction Log Specification Document

May 2021

The CoPOS Transaction Log is a file that records all the transactions that happen at the register in the CoPOS point of sale system. The file is formatted using the standard tab-separated values format and uses the file extension “txt”. The full file name is “txMMDDYY.txt” with MMDDYY being the date the file was produced with no relation to the data within the file. For example, “tx122520.txt” would be a file produced on Christmas Day of 2020.

The CoPOS Transaction Log has two transaction types, delineated in field 1, as either a Sales transactions or a Returns transaction. Each of these transaction types have both a Header record and one or more Line detail records for each transaction at the register.

The sample transaction log file, tx052621.txt, is to be distributed with this specification document.

CoPOS Transaction Log file (TLOG)			
Field#	Data Type	Field Description	EXAMPLE (See First Record in Sample Data File)
1	Alpha (1)	Transaction Type Code (<i>Either "S" for Sale or "R" for Return</i>)	S
2	Alpha (1)	Header/Line Indicator (<i>Either "H" for Header or "L" for Line Detail</i>)	H

For details on the Sale Transactions, look for the Header and Line detail record specifications starting on Page 2

For details on the Return Transactions, look for Header and Line detail record specifications starting on Page 5

If you would like this data pushed automatically on a daily basis to an FTP or SFTP server, please contact CoPOS to make arrangements.

If you have any questions, please contact CoPOS at support@CoPOS.com or 1 (855) 772-6767

Sale Transaction - Header Record (Sale Header)

Field#	Data Type	Field Description	EXAMPLE (See First Record in Sample Data File)
1	Alpha	Transaction Type Code (<i>Always "S"</i>)	S
2	Alpha	Header / Line Detail Indicator (<i>Always "H"</i>)	H
3	Date (MM/DD/YYYY)	Sale Date	04/27/2017
4	Number	Sale#	1
5	Number	\$Gross Sale	7.38
6	Number	\$Voided (Voids ONLY)	
7	Number	\$Total Discount (Sum of Fields 7 through 11)	
8	Number	\$Basic Member Discount	
9	Number	\$Worker Member Discount	
10	Number	\$Senior Discount	0.00
11	Number	\$Employee Discount	
12	Number	\$Other Discount	0.00
13	Number	\$Total Coupons	1.00
14	Number	\$Manufacturer Coupons	1.00
15	Number	\$Store Coupons	
16	Number	\$Total Sale (\$Gross-\$Discounts)	6.38
17	Number	\$Sales Tax (Total)	0.14
18	Number	\$Sales Tax (High Rate - <i>only used with a two-tier sales tax</i>)	0.14
19	Number	\$Sales Tax (Low Rate - <i>only used with a two-tier sales tax</i>)	0.00
20	Number	\$Net Sale (\$Total-\$Sales Tax)	6.24
21	Number	\$Taxable Sales	1.59
22	Number	\$Taxable Sales (High Rate - <i>only used with a two-tier sales tax</i>)	1.59
23	Number	\$Taxable Sales (Low Rate - <i>only used with a two-tier sales tax</i>)	
24	Number	\$Cash Paid In	6.38
25	Number	\$Cash Back	3.62
26	Number	\$Check Paid In	
27	Number	\$Credit Card Paid In	
28	Number	\$Gift Certificate Paid In	
29	Number	\$EBT Paid In	
30	Number	\$Fees Paid In	
31	Number	\$Charged to IOU	
32	Alpha (HH:MM)	Time of Sale (Expressed as HH:MM AM/PM)	8:12 AM
33	Number	#Items in Sale	4
34	Number	#Seconds to Ring Sale	46
35	Number	Register Session#	1
36	Alpha	Cashier's Initials (or User if User Security is turned on)	AL
37	Number	Register#	1
38	Alpha	Member# (The user assigned Member# of the Member attached to this sale)	
39	Number	Member Internal# (The CoPOS generated Member# of the Member attached to this sale)	
40	Number	Check# used in this sale	
41	Number	\$Gift Certificate Purchased	
42	Number	\$Deposits Paid In	
43	Number	\$Deposits Paid Out	
44	Alpha	Credit Card Code (External - the user assigned Credit Card Code of the CC used in this sale)	
45	Number	Credit Card Internal# (the CoPOS generated number of the CC used in this sale)	
46	Number	\$Amount Charged to Credit Card	
47	Number	\$Non-Member Surcharge	
48	Number	\$IOU Paid	
49	Number	\$IOU Written Off	
50	Number	\$IOU Credit	

51	Number	%Basic Member Discount	
52	Number	%Senior Discount	
53	Number	%Worker Discount	
54	Number	%Employee Discount	
55	Number	%Other Discount	
56	Number	Reserved (Do Not Use)	
57	Number	\$Uncollected Sales Tax (Due to sale to a Tax Exempt Entity)	
58	Number	\$Total Sale if Tax was collected	
59	Number	\$Total Sale if Low Rate Tax was collected	
60	Number	\$Total Sale if High Rate Tax was collected	
61	Alpha	Name of Tax Exempt Entity	
62	Number	\$IOU Repaid (Only used when Voiding)	
63	Alpha	Pointer to IOUs Repaid	
64	Number	\$Equity Paid In	
65	Date (MM/DD/YYYY)	Equity - Date Paid In	
66	Alpha	Reserved (Do Not Use)	
67	Number	\$Base (Installment) Payment Amount	
68	Number	\$Repeating Fee Amount	
69	Number	\$Equity Segment	
70	Number	\$Non-Equity Segment	
71	Alpha	Member Join Flag (Value is the Member Internal#)	
72	Alpha	Initials of Cashier who signed up the Member (Usually the same as Cashier's Initials - Field #36)	
73	Number	\$Savings from purchase of Items on sale	0.08
74	Number	\$Special Order Deposit used (redeemed)	
75	Alpha	Customer Internal# (if the Special Order was to a Customer and not a Member)	
76	Number	\$Special Ordered Items (\$ that came in from Items that were <i>Special ordered</i>)	
77	Number	COGS (Cost of Goods Sold in this Sale)	4.55
78	Number	\$Gross Profit from this Sale	2.69
79	Alpha	Void Flag (set to "1" if Sale was voided)	
80	Alpha	Initials of Cashier who Voided the Sale	
81	Number	\$Deposit place on a Special Order that will be entered at a later time	
82	Alpha	Zip Code of purchaser (if purchased by a Member, the Zip Code will be that which is on file for the purchasing Member)	
83	Number	\$Periodic Discount taken at Sale	
84	Alpha	Type of Periodic Discount that was used in this Sale	
85	Number	\$Donated Discount	
86	Alpha	Donated Discount Bucket	
87	Number	\$WIC Paid In	
88	Number	#WIC Coupons used	
89	Number	\$Patronage accrued in this Sale	
90	Number	\$Donations Paid	
91	Number	\$Special Order Balance used	
92	Number	\$Special Order Deposit collected at time of Sale	
93	Number	\$Special Order Deposit returned (CoPOS will not save a Deposit for more than 1 Sale)	
94	Number	\$Bag Charges or Credits	
95	Alpha	Sale rerung from a Void (set to "1" if Sale was rerung from a Voided Sale)	
96	Alpha	Paper Gift Certificate Code	
97	Alpha	Import Flag (set to "1" if this Sale was imported from a remote CoPOS register)	
98	Number	\$Amount to reimburse Consignee	
99	Alpha	Attached Member Internal # if Sale was mis-rung as a Non-Member Sale and later attached to a Member for Patronage	
100	Alpha	Variable Day Member Flag (set to "1" if discount from Variable Day Member Sale was used)	
101	Number	\$Fixed One Time Discount used	
102	Number	\$Storewide Coupon Amount used	
103	Alpha	Pointer to which type of Storewide Coupon was used	
104	Number	\$Delivery Charge (used if this Sale was a delivered order)	

Sale Transaction - Line Detail Record (Sale Line Detail)

Field#	Data Type	Field Description	EXAMPLE (See First Record in Sample Data File)
1	Alpha	Transaction Type (<i>Always "S"</i>)	S
2	Alpha	Header / Line Detail Indicator (<i>Always "L"</i>)	L
3	Date (MM/DD/YYYY)	Sale Date	04/27/2017
4	Number	Sale#	1
5	Alpha	Item Code	898248001077
6	Number	Item Int# (<i>The unique number that CoPOS uses to identify the Item</i>)	21571
7	Alpha	Units of Sale (<i>Random Weight Only</i>)	
8	Number	Department#	1
9	Alpha	Item Category Code	1071
10	Number	Item Category Int# (<i>The unique number that CoPOS uses to identify the Item Category</i>)	71
11	Alpha	Food Item (<i>Always "Y" or "N"</i>)	Y
12	Alpha	Random Weight Item (<i>Always "Y" or "N"</i>)	N
13	Number	\$Item Base Price	1.99
14	Number	\$Item Price used at sale	1.99
15	Alpha	Sale Indicator (<i>"Y" if Item sold while on sale</i>)	
16	Number	Quantity Sold	1
17	Number	\$Extension	1.99
18	Number	\$Sales Tax	0.00
19	Alpha	Sales Tax - Low Rate Indicator (<i>"L" if Taxed at Low Rate</i>)	
20	Number	\$Item Specific Coupon Amount	
21	Alpha	Coupon Type (<i>"1" Manufacturer Coupon, "2" Store Coupon</i>)	
22	Number	\$Variable Coupon Amount	
23	Number	Attached Special Order#	
24	Number	#Items from Special Order that have been received	
25	Number	\$Contract Price of Special Ordered Item	
26	Number	\$Cost of the Item at Sale (COGS)	1.21
27	Number	\$Gross Profit of Item	0.78
28	Number	\$Price Overwrite. (<i>Only used when the Cashier adjusts the Item Price at the register</i>)	
29	Number	\$Price Increment (<i>One time charge added to Bulk Repacks of this Item</i>)	
30	Number	\$Bottle Deposit Increment	
31	Number	\$WIC Coupon Amount	
32	Number	Quantity/Pack (<i>Only used when a Break Pack Item is sold as a Single</i>)	
33	Number	\$Singles Price (<i>Only used when a Break Pack Item is sold as a Single</i>)	
34	Number	Line Discount Suppression (<i>"Y" if Discount is suppressed in this line</i>)	
35	Number	\$Sales Tax Adjustment	
36	Number	#Units that have been Price Overwritten	

Return Transaction - Header Record (Return Header)

Field#	Data Type	Field Description	EXAMPLE (See Second Transaction Record in Sample Data File)
1	Alpha	Transaction Type Code (Always "R")	R
2	Alpha	Header / Line Detail Indicator (Always "H")	H
3	Date (MM/DD/YYYY)	Sale Date	04/27/2017
4	Number	Return#	1
5	Number	\$Gross Return	19.82
6	Number	\$Total Return (\$Gross-\$Discounts)	17.54
7	Number	\$Sales Tax Total	0.84
8	Number	\$Sales Tax (High Rate - only used with a two-tier sales tax)	0.00
9	Number	\$Sales Tax (Low Rate - only used with a two-tier sales tax)	0.84
10	Number	\$Net Return (Field #6 - Field #7)	16.70
11	Number	Register#	
12	Alpha(HH:MM AM/PM)	Time Return was Rung (Expressed as HH:MM AM/PM)	8:12 AM
13	Alpha	Cashier's Initials (or User if User Security is turned on)	KEG
14	Number	#Returned Items	2
15	Number	\$Basic Member Discount	0.38
16	Number	\$Senior Discount	
17	Number	\$Worker Discount	
18	Number	\$Employee Discount	1.90
19	Number	\$Other Discount	0
20	Alpha	Member Number (Assigned by User)	1919
21	Number	Member Internal# (Assigned by CoPOS)	922
22	Number	Return Method Code (Values: 1 - Cash, 2 - To Credit Card, 3 - To EBT, 4 - Store Credit)	4
23	Number	Credit Card Code (Only when Return is to a Credit Card - Code=2)	
24	Alpha	Credit Card Internal# (Only when Return is to a Credit Card - Code=2)	
25	Number	\$Non-Member Surcharge	
26	Number	\$Total Bottle Deposits	
27	Number	%Total Discount (Note: The Basic Discount is inferred from the %Total Discount - All Other Discounts)	12.00
28	Number	%Senior Discount	
29	Number	%Worker Discount	
30	Number	%Employee Discount	10.00
31	Number	DBGC (Store Credit) Pointer	117
32	Alpha	Non-Member Name	
33	Alpha	Non Member Phone#	
34	Alpha	Return Method (Not Currently Used)	
35	Alpha	Returned by Tax Exempt Member ("Y" if Return was made by a Tax Exempt Member)	
36	Number	\$Taxable Returns Total	14.07
37	Number	\$Taxable Returns (High Rate- only used with a two-tier sales tax)	
38	Number	\$Taxable Returns (Low Rate- only used with a two-tier sales tax)	14.07
39	Number	Customer Internal# (if this Return was made by a Customer)	
40	Number	\$Consignor Payout	

Return Transaction - Line Detail Record (Return Line Detail)

Field#	Data Type	Field Description	EXAMPLE (See Second Transaction Record in Sample Data File)
1	Alpha	Transaction Type (<i>Always "R"</i>)	R
2	Alpha	Header / Line Detail Indicator (<i>Always "L"</i>)	L
3	Date (MM/DD/YYYY)	Return Date	04/27/2017
4	Number	Return#	1
5	Number	Item Code	692752103520
6	Number	Item Internal# (<i>The unique number that CoPOS uses to identify the Item</i>)	13560
7	Alpha	Item Unit of Measure	EA
8	Number	Item Department #	1
9	Alpha	Item Category Code	1060
10	Number	Item Category Int# (<i>The unique number that CoPOS uses to identify the Item Category</i>)	60
11	Alpha	Food Item (<i>Always "Y" or "N"</i>)	Y
12	Alpha	Random Weight Item (<i>Always "Y" or "N"</i>)	N
13	Number	Price Used	15.39
14	Alpha	Sale Indicator ("Y" if Item was on sale when Returned)	
15	Number	Number Items Returned	1
16	Number	\$Extension	15.39
17	Number	\$Sales Tax	
18	Alpha	Item Bar ("Y" if Item was Returned as Bad)	
19	Number	\$Gross Return From this Item (Price Used + Discounts + Sales Tax)	15.39
20	Number	\$Bottle Deposits (Attached to this Item)	
21	Number	COGS	9.50
22	Alpha	Random Weight Unit of Measure	