

Flow of Costs

PERPETUAL SYSTEM

- Maintain detailed records of the cost of each inventory purchase and sale.
- Records continuously show inventory that should be on hand for every item.
- Company determines cost of goods sold each time a sale occurs.

Flow of Costs

PERIODIC SYSTEM

- ◆ Do not keep detailed records of the goods on hand.
- Cost of goods sold determined by count at the end of the accounting period.
- Calculation of Cost of Goods Sold:

Beginning inventory	€ 100,000
Add: Purchases, net	800,000
Goods available for sale	900,000
Less: Ending inventory	125,000
Cost of goods sold	€ 775,000

Flow of Costs

ADVANTAGES OF THE PERPETUAL SYSTEM

- Traditionally used for merchandise with high unit values.
- Shows the quantity and cost of the inventory that should be on hand at any time.
- Provides better control over inventories than a periodic system.

5-9

INVESTOR INSIGHT

Snowboard Company Improves Its Share Appeal

Investors are often eager to invest in a company that has a hot new product. However, when a fast-growing snowboard-maker issued ordinary shares to the public for the first time, some investors expressed reluctance to invest in it because of a number of accounting control problems. To reduce investor concerns, the company implemented a perpetual inventory system to improve its control over inventory. In addition, the company stated that it would perform a physical inventory count every quarter until it felt that its perpetual inventory system was reliable.

5-10

> DO IT!

Indicate whether the following statements are true or false.

- The primary source of revenue for a merchandising company results from performing services for customers.
- The operating cycle of a service company is usually shorter than that of a merchandising company.
- Sales revenue less cost of goods sold equals gross profit.
- Ending inventory plus the cost of goods purchased equals cost of goods available for sale.

Learning Obje

Recording Purchases of Merchandise

- Made using cash or credit (on account).
- Normally record when goods are received from the seller.
- Purchase invoice should support each credit purchase.

Learning Objective 2
Explain the recording of purchases under a perpetual inventory system.

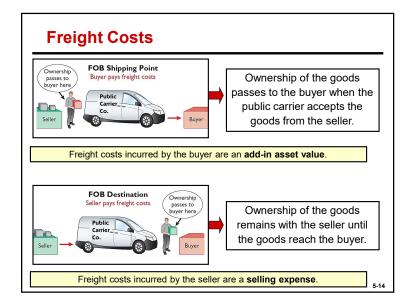


Recording Purchases of Merchandise

Illustration: Sauk Stereo (the buyer) uses as a purchase invoice the sales invoice prepared by PW Audio Supply, Inc. (the seller). Prepare the journal entry for Sauk Stereo for the invoice from PW Audio Supply.



5-13



Freight Costs

Illustration: Assume upon delivery of the goods on May 6, Sauk Stereo (the buyer) pays Public Freight Company €150 for freight charges, the entry on Sauk Stereo's books is:

Assume the freight terms on the invoice in Illustration 5-6 had required **PW Audio Supply (the seller) to pay the freight charges**, the entry by PW Audio Supply would have been:

-15

Purchase Returns and Allowances

Purchaser may be dissatisfied because goods are damaged or defective, of inferior quality, or do not meet specifications.

Purchase Return

Return goods for credit if the sale was made on credit, or for a cash refund if the purchase was for cash.

Purchase Allowance

May choose to keep the merchandise if the seller will grant a reduction from the purchase price.

Purchase Returns and Allowances

Illustration: Assume Sauk Stereo returned goods costing €300 to PW Audio Supply on May 8.

5-17

Purchase Returns and Allowances

Question

In a perpetual inventory system, a return of defective merchandise by a purchaser is recorded by crediting:

- a. Purchases
- b. Purchase Returns
- c. Purchase Allowance
- d. Inventory

5-18

Purchase Discounts

Credit terms may permit buyer to claim a cash discount for large amount purchasing.

Advantages:

- Purchaser saves money.
- ◆ Seller shortens the operating cycle by converting the accounts receivable into cash earlier.

Purchase Discounts

Illustration: Assume Sauk Stereo pays the balance due of €3,500 (gross invoice price of €3,800 less purchase returns and allowances of €300) on May 14, the seller offer €70 discount for large purchasing. Prepare the journal entry Sauk Stereo makes on May 14 to record the payment.

5-1

Inventory Debit Credit Balance

On September 5, Zhu Company buys merchandise on account from Gao Company. The selling price of the goods is ¥15,000, and the cost to Gao Company was ¥8,000. On September 8, Zhu returns defective goods with a selling price of ¥2,000. Record the transactions on the books of Zhu Company.

Recording Expenses Learning Objective 3 Explain the recording of expenses at merchandising companies. Major Expenses at merchandising companies: Cost of Goods Sold Tools and supplies consuming Services consuming Depreciation of fixed assets Wage and Wage-relate

◆ If costs of tools and supplies relate to an accounting period, they shall be wholly recorded to operating expenses as follows: Expenses XXX Tools and supplies XXX

Recording tools and supplies consuming

Recording tools and supplies consuming

- If costs of tools and supplies relate to more than one accounting period, they shall be gradually recorded to operating expenses:
- When dispatching tools and supplies:

Prepaid expenses XXX

Tools and supplies XXX

- When distributing to costs of operation for every accounting period:

Expenses XXX

Prepaid expenses XXX

5-25

Recording Services consuming

 Expenses of telephone, electricity and water outsourced (for an accounting period), record:

Expense XXX

Cash or Account payables XXX

If services relate to more than one accounting period, they shall be gradually recorded to operating expenses:

Prepaid expenses XXX

Cash or Account payables XXX

Expenses XXX

Prepaid expenses XXX

Recording Depreciation of fixed assets

 Periodically, when calculating, deducting and recording fixed assets to operating costs:

Expenses XXX

Depreciation of fixed assets XXX

5-27

Recording Wage Expense

 When determining salaries payable to staff and other employees as prescribed:

Expenses XXX

Payables to employees XXX

When paying salaries to staff and other employees:

Payables to employees XXX

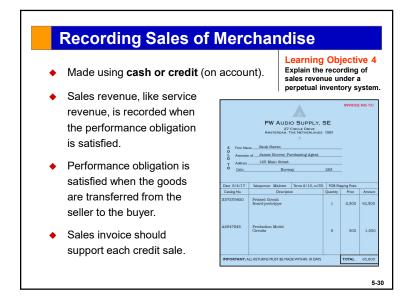
Cash XXX

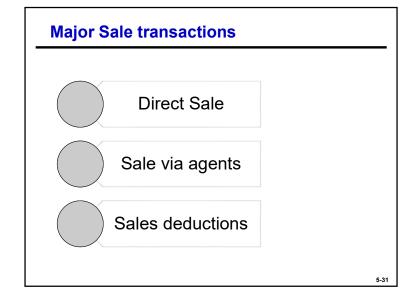
5-28

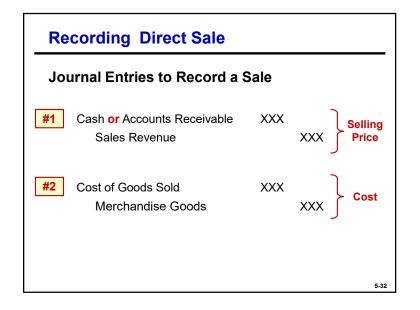
Recording Wage-relate Expense

	Total	Firms'	Employee s'	Account code
Trade union fee	2%	2%	0%	3382
Social insurance	25%	17%	8%	3383
Health insurance	4,5%	3%	1,5%	3384
Unemployment insurance	1%	0%	1%	3386

◆ When appreciating social insurance, health insurance, unemployment insurance, or trade union fees
 Expenses
 Other payable
 XXX
 5-29







Recording Direct Sale

Illustration: PW Audio Supply records the sale of €3,800 on May 4 to Sauk Stereo on account (Illustration 5-6) as follows (assume the merchandise cost PW Audio Supply €2,400).

5-33

#1 Merchandise transferred to Agents Goods on consignment XXX Merchandise Goods XXX #2 Goods on consignment sold Cash or Accounts Receivable XXX Sales Revenue XXX Cost Cost of Goods Sold XXX Goods on consignment XXX Cost XXX Selling Price

Recording Sale via Agents

Illustration: PW Audio Supply records the merchandise transferring of €1,200 on May 8 to Thanos (an agent). On May 15, Thanos confirm that all merchandise was sold for €1,900

5-35

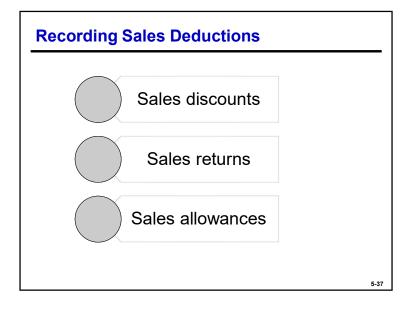
ANATOMY OF A FRAUD

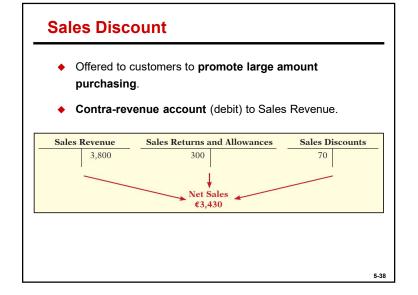
Holly Harmon was a cashier at a national superstore for only a short while when she began stealing merchandise using three methods. Under the first method, her husband or friends took UPC labels from cheaper items and them on more expensive items. Holly then scanned the goods at the register. Using the second method, Holly scanned an item at the register but then voided the sale and left the merchandise in the shopping cart. A third approach was to put goods into large plastic containers. She scanned the plastic containers but not the goods within them. One day, Holly did not call in sick or show up for work. In such instances, the company reviews past surveillance tapes to look for suspicious activity by employees. This enabled the store to observe the thefts and to identify the participants.

Total take: \$12,000

The Missing Controls

5.3





Sales Discount

Illustration: Assume Sauk Stereo pays the balance due of €3,500 (gross invoice price of €3,800 less purchase returns and allowances of €300) on May 14, PW Audio offers €70 discount for large purchasing. Prepare the journal entry PW Audio Supply makes to record the receipt on May 14.

Sales Returns and Allowances

- "Flip side" of purchase returns and allowances.
- Contra-revenue account to Sales Revenue (debit).
- ◆ Sales not reduced (debited) because:
 - Would obscure importance of sales returns and allowances as a percentage of sales.
 - Could distort comparisons.

Sales Returns

Illustration: Prepare the entry PW Audio Supply would make to record the credit for returned goods that had a €300 selling price (assume a €140 cost).

5-41

Sales Allowances

Illustration: Prepare the entry PW Audio Supply would make to record the allowance of €200 to compensate for a group of under quality merchandises sold.

5-42

Sales Returns and Allowances

Question

The cost of goods sold is determined and recorded each time a sale occurs in:

- a. periodic inventory system only.
- b. a perpetual inventory system only.
- c. both a periodic and perpetual inventory system.
- d. neither a periodic nor perpetual inventory system.

5_43

ACCOUNTING ACROSS THE ORGANIZATION

Merchandiser's Accounting Causes Alarm

Accounting for merchandising transactions is not always as easy as it might first appear. Recently, **Tesco** (GBR) announced that it had overstated profits by £263 million over a three-year period. The error related to how Tesco accounted for amounts received from suppliers for promotional activities of those companies' products. When a retailer runs advertisements promoting a particular product, the producer of that product shares part of the advertising cost. Typically, the producer pays the merchandiser its share of the advertising cost as much as a year before the advertisement is run. The questions become, how should these amounts be reported by the merchandiser at the time it receives the funds, and when should these amounts affect income? The scandal surrounding this accounting treatment was serious enough that it caused the company's chairman to resign, and an outside auditing firm was brought in to investigate. One analyst commentated that "we can never recall a period so damaging to the reputation of the company."

Source: Jenny Anderson, "Tesco Chairman to Step Down as Overstatement of Profit Grows," The New York Times Online (October 23, 2014).

> DO IT!

On September 5, Zhu Company buys merchandise on account from Gao Company. The selling price of the goods is ¥15,000, and the cost to Gao Company was ¥8,000. On September 8, Zhu returns defective goods with a selling price of ¥2,000 and the fair value of ¥300. Record the transactions on the books of Gao Company.

5-45

> DO IT!

On September 5, Zhu Company buys merchandise on account from Gao Company. The selling price of the goods is $\pm 15,000$, and the cost to Gao Company was $\pm 8,000$. On September 8, Zhu returns defective goods with a selling price of $\pm 2,000$ and the fair value of ± 300 . Record the transactions on the books of Gao Company.

5-46

Closing Entries Dec. 31 Sales Revenue 480,000 480,000 Income Summary (To close income statement accounts with credit balances) 450,000 31 | Income Summary Cost of Goods Sold 316,000 Salaries and Wages Expense 64,000 17,000 Utilities Expense Advertising Expense 16,000 12,000 Sales Returns and Allowances 8,000 Sales Discounts Depreciation Expense 8,000 Freight-Out 7,000 Insurance Expense 2,000 (To close income statement accounts with debit balances)

Dec. 31	Income Summary Retained Earnings (To close net income to retained earnings)	30,000	30,000
31	Retained Earnings Dividends (To close dividends to retained earnings)	15,000	15,000

> DO IT!

The trial balance of Celine's Sports Wear Shop at December 31 shows Inventory €25,000, Sales Revenue €162,400, Sales Returns and Allowances €4,800, Sales Discounts €3,600, Cost of Goods Sold \$110,000, Rent Revenue €6,000, Freight-Out €1,800, Rent Expense €8,800, and Salaries and Wages Expense €22,000. Prepare the closing entries for the above accounts.

The trial balance of Celine's Sports Wear Shop at December 31 shows Inventory €25,000, Sales Revenue €162,400, Sales Returns and Allowances €4,800, Sales Discounts €3,600, Cost of Goods Sold €110,000, Rent Revenue €6,000, Freight-Out €1,800, Rent Expense €8,800, and Salaries and Wages Expense €22,000. Prepare the closing entries for the above accounts.

5-49

Forms of Financial Statements

Income Statement

Learning Objective 5
Prepare an income
statement for a

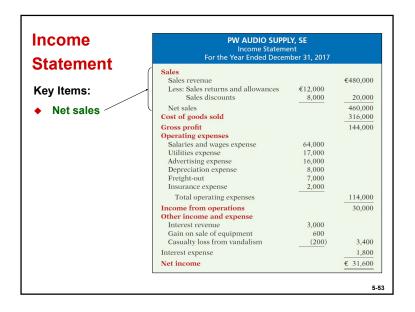
- Primary source of information for evaluating a company's performance.
- Format is designed to differentiate between the various sources of income and expense.

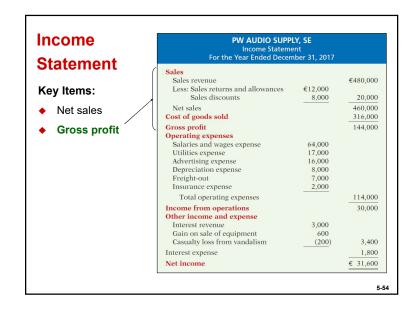
Income Statement

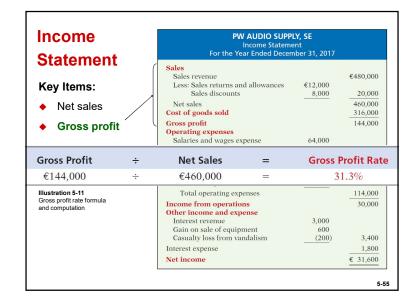
The income statement is a primary source of information for evaluating a company's performance.

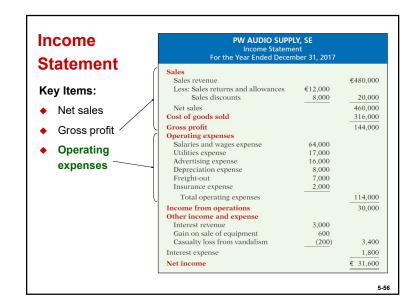
PW AUDIO SUPPLY, SE Income Statement For the Year Ended December 31, 2017		
Sales Sales revenue		C480 000
Less: Sales returns and allowances	€12,000	€480,000
Sales discounts	8,000	20,000
Net sales		460,000
Cost of goods sold		316,000
Gross profit		144,000
Operating expenses		
Salaries and wages expense	64,000	
Utilities expense	17,000	
Advertising expense	16,000	
Depreciation expense	8,000	
Freight-out	7,000	
Insurance expense	2,000	
Total operating expenses		114,000
Income from operations		30,000
Other income and expense		
Interest revenue	3,000	
Gain on sale of equipment	600	
Casualty loss from vandalism	(200)	3,400
Interest expense		1,800
Net income		€ 31,600

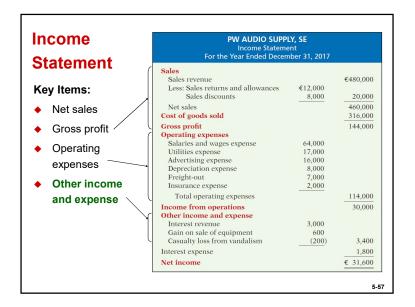
5-51

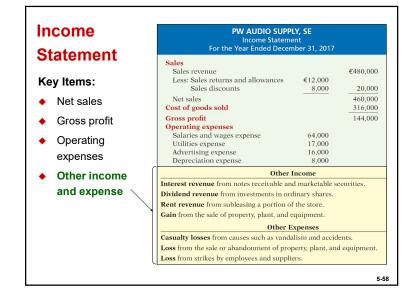


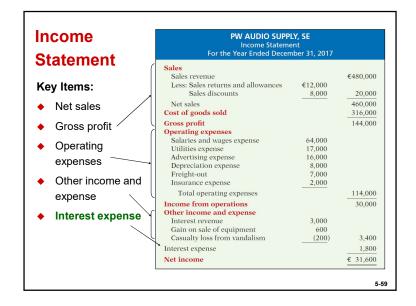


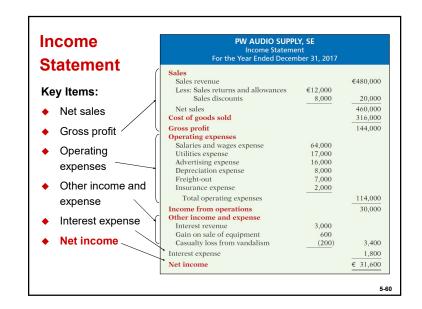












Income Statement

1	Sales	
2	Revenue deductions	
3	Net sales	(3)=(1)-(2)
4	Costs of goods sold	
5	Gross profit	(5)=(3)-(4)
6	Selling expenses	
7	General administration expenses	
8	Operating profit	(8)=(5)-(6)-(7)

5-61

Copyright

"Copyright © 2016 John Wiley & Sons, Inc. All rights reserved. Reproduction or translation of this work beyond that permitted in Section 117 of the 1976 United States Copyright Act without the express written permission of the copyright owner is unlawful. Request for further information should be addressed to the Permissions Department, John Wiley & Sons, Inc. The purchaser may make back-up copies for his/her own use only and not for distribution or resale. The Publisher assumes no responsibility for errors, omissions, or damages, caused by the use of these programs or from the use of the information contained herein."

5-63

Income Statement

Question

The income statement for a merchandiser shows each of the following features **except**:

- a. gross profit.
- b. cost of goods sold.
- c. a sales section.
- d. investing activities section.