

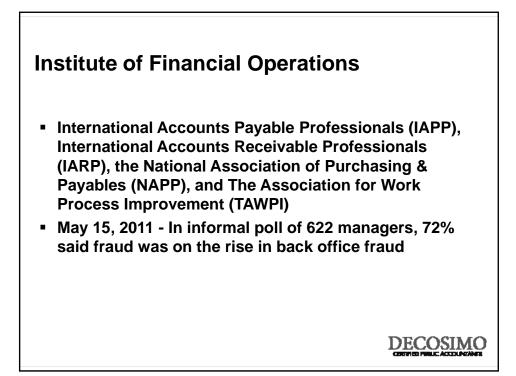
KPMG 2011 ANALYSIS OF GLOBAL PATTERNS OF FRAUD

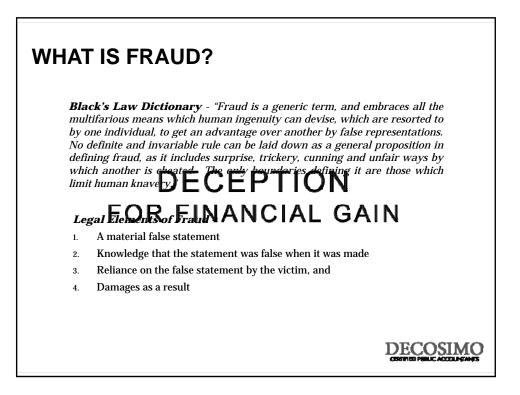
- Male
- 36 to 45 years old
- Commits fraud against his employer
- Works in finance function or finance-related role
- Holds a senior management position
- Employed by the company for more than 10 years
- Works in collusion with another perpetrator

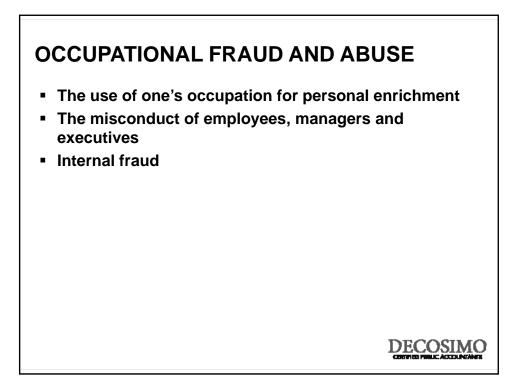
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KPMG 2011 ANALYSIS OF GLOBAL PATTERNS OF FRAUD

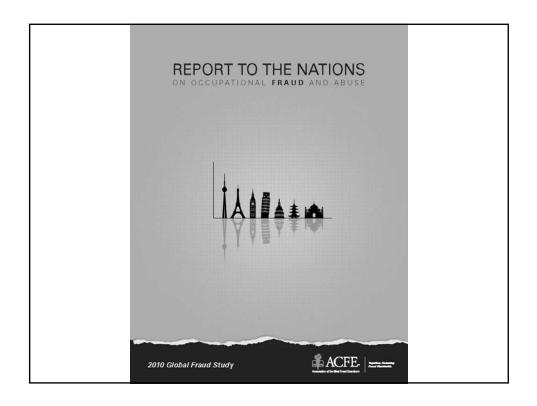
- Exploitation of weaknesses in internal controls by fraudsters increased significantly from 49 percent in 2007 to 74 percent by 2011.
- The increased failure to respond to red flags highlights the need for companies not only develop system for identifying red flags, but also acting on them.
- Only 23% of the frauds detected were publicly reported

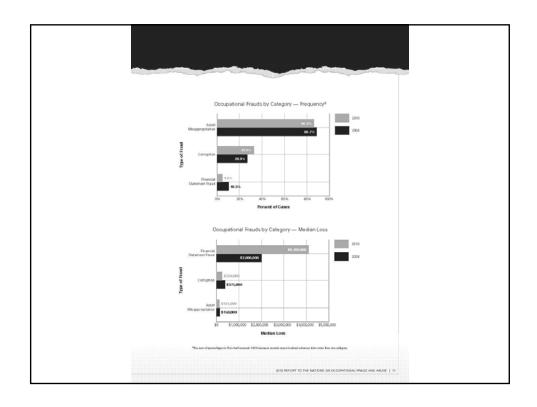


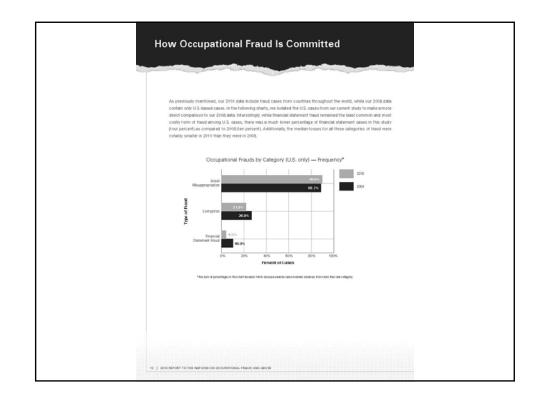


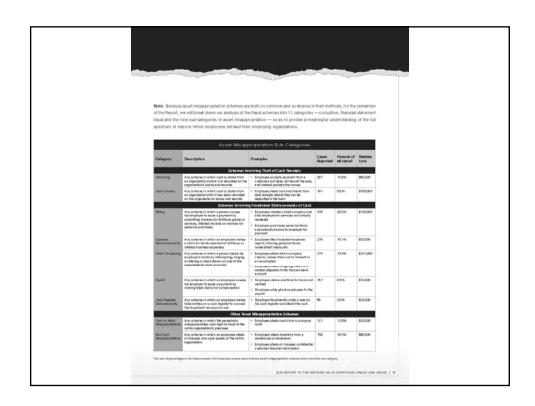


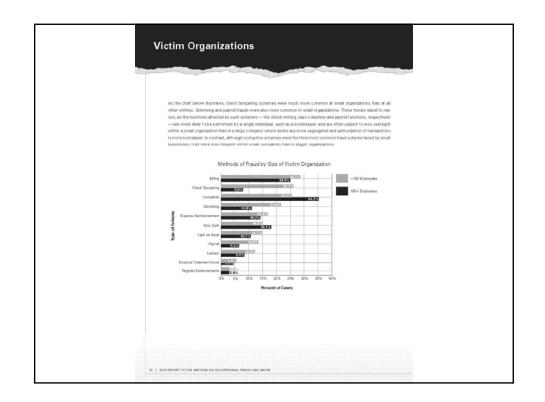
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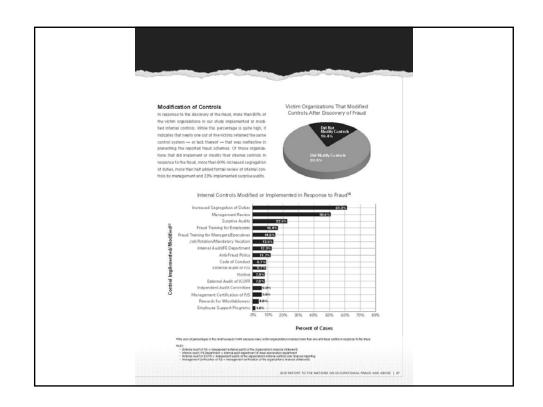






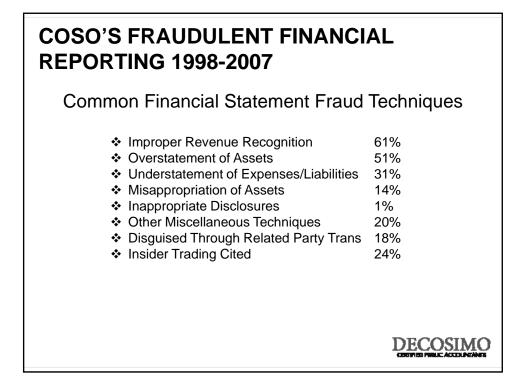


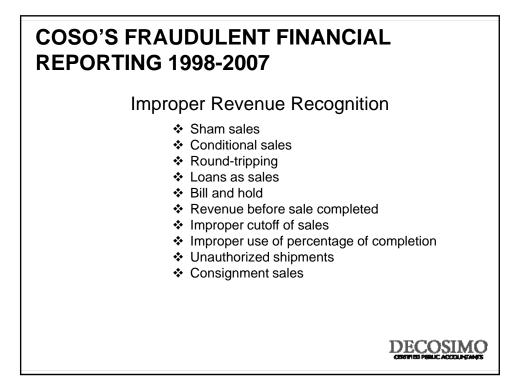
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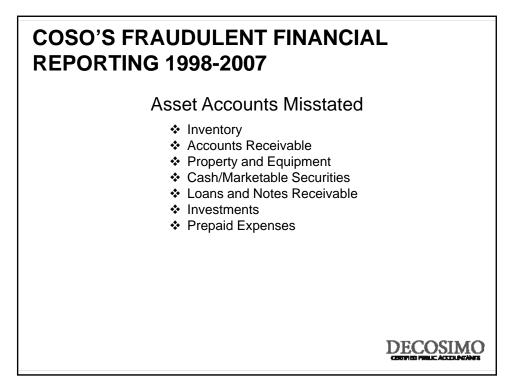


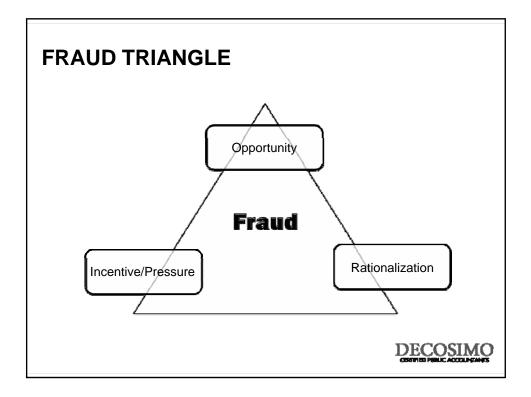
ACFE 2010 REPORT TO THE NATIONS – Other Highlights

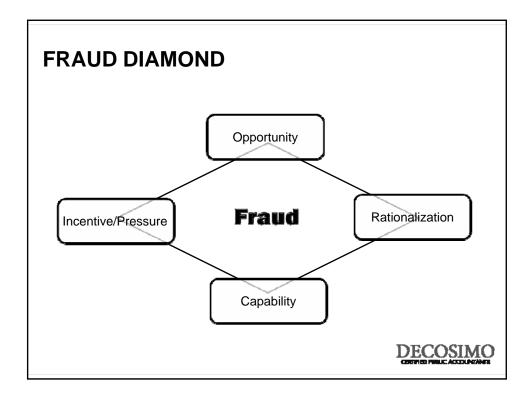
- Typical organization loses 5% of revenues to fraud
- Median loss was \$160,000
- Nearly 25% involved losses of at least \$1 million
- Frauds lasted a median of 18 months before detection
- Asset misappropriation schemes were in 90% of cases
- Financial statement schemes were less than 5% but caused median losses of more than \$4 million
- More likely to detected by tip
- More than 80% were committed in accounting, operations, sales, upper management, customer service or purchasing
- More than 85% had never been charged or convicted
- Most common red flags were living beyond means and financial difficulties

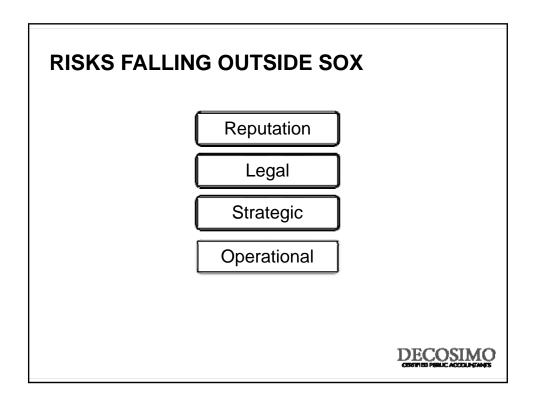


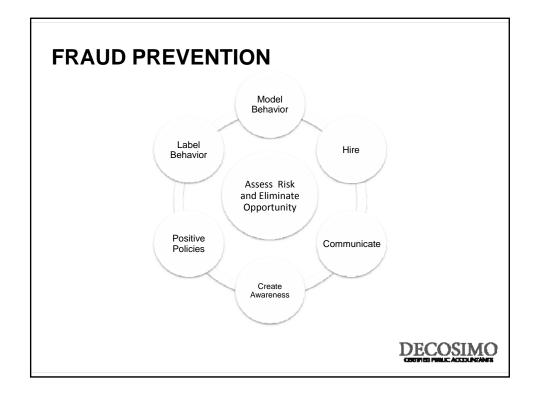


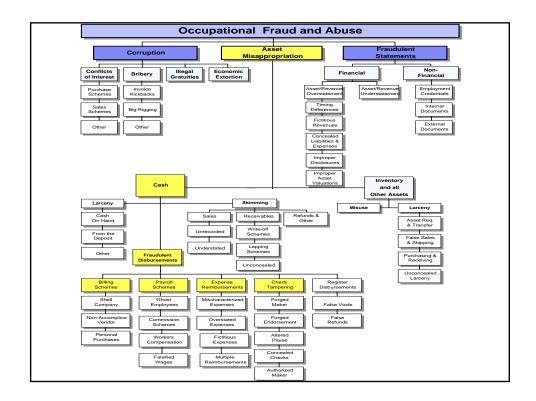


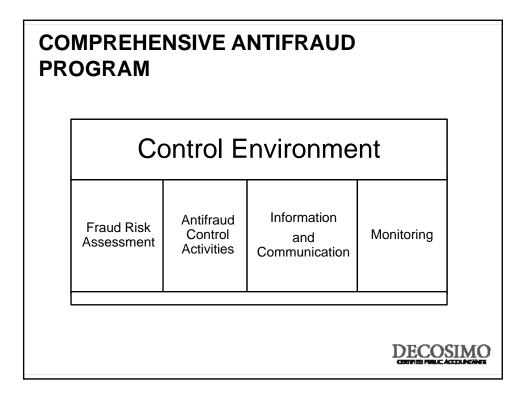


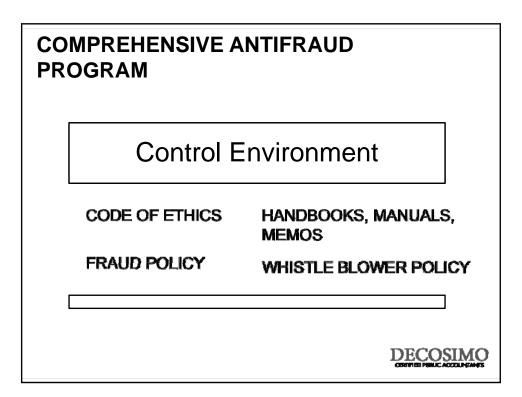


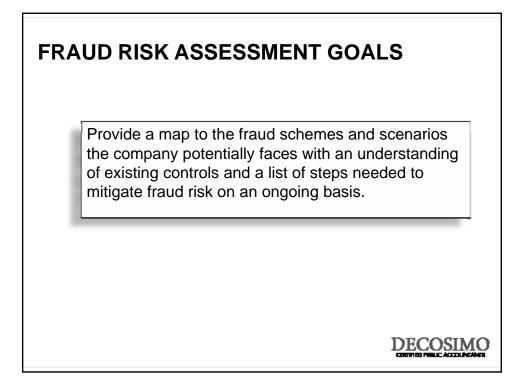


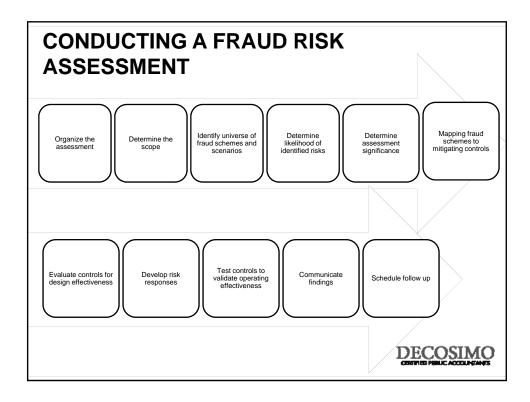


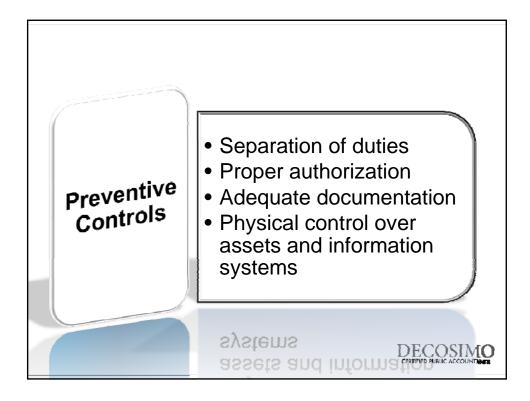


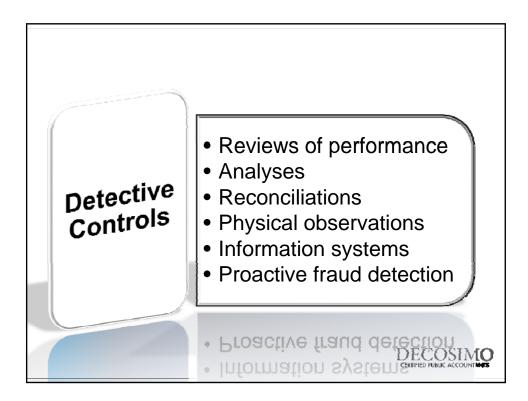


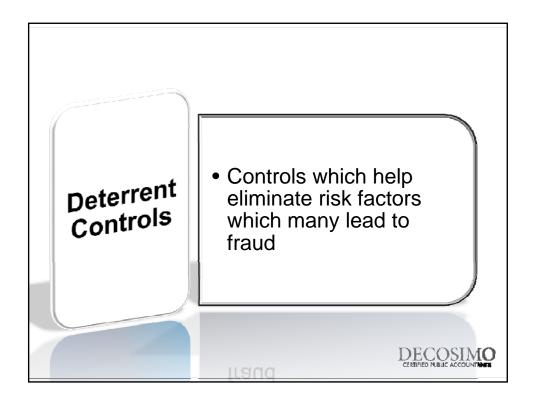


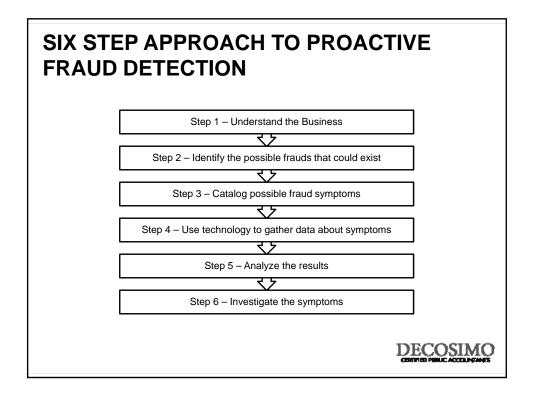


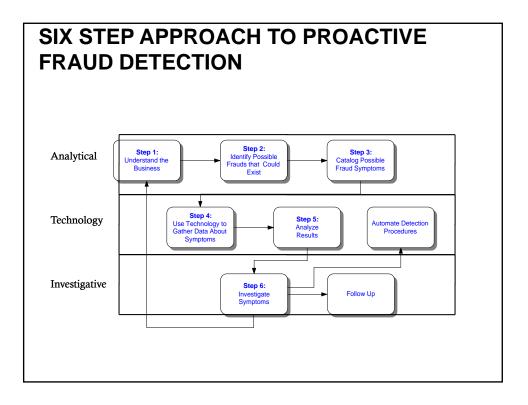












TYPICAL ENVIRONMENT IN WHICH FRAUD OCCURS

- Trust is placed in employees
- Employees have detailed knowledge of the accounting systems and their weaknesses
- Management domination subverts normal internal controls
- Management adds pressure to "make the numbers"
- Expected moral behavior is not communicated to employees
- Unduly liberal accounting practices
- Ineffective or nonexistent internal auditing staff.
- Lack of effective internal controls.
- Poor accounting records.
- Related party transactions.
- Incomplete and out of date procedural documentation.
- Management sets a bad example.

RED FLAGS IN FRAUDULENT FINANCIAL STATEMENTS

- Cash flow does not match net income
- Receivables spike relative to sales Days' Sales in Receivables
- Management earning tied to performance
- Decrease in the Asset Quality Index Noncurrent Assets, exclusive of PPE, relative to total assets in given year
- Exceptionally strong sales growth from one year to next
- Significant increase in Gross Margin Index
- High turnover of key management
- Sales allowances, warranties and other reserves out of line compared with others in industry
- Low Total Accruals to Total Assets Working Capital, less Cash, less Current Taxes Payable, less Current Portion of LTD, less AD and Amortization, divided by Total Assets

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 EMPLOYEE RED FLAGS

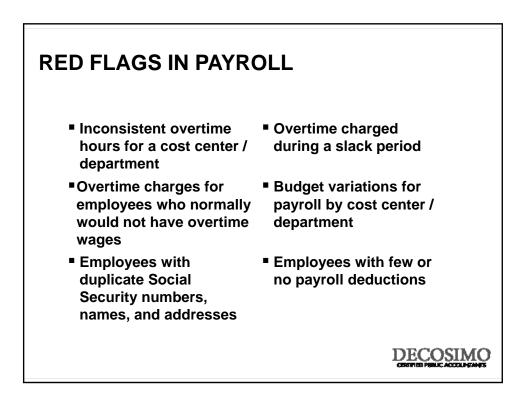
 • Employee lifestyle changes
 • High employee turnover

 • Significant personal debt and credit problems
 • Refusal to take vacation or sick leave

 • Behavioral changes
 • Lack of segregation of duties in a high-risk (vulnerable) area

 • Defensive
 • Fraud and Stupid look the same

MANAGEMENT RED FLAGS Reluctance to provide Weak internal control information to auditors environment Photocopied or missing Unexpected overdrafts or documents declines in cash balances Decisions dominated by an Accounting personnel are lax individual or small group or inexperienced Excessive number of year-end High employee turnover rate transactions Compensation is out of proportion Decentralization without Management displays significant disrespect for adequate monitoring regulatory bodies Frequent changes in external Excessive number of or auditors frequent changes in checking accounts DECOSIMO



RED FLAGS IN CASH OR ACCOUNTS REVEIVABLE

- Excessive number of voids Excessive or unjustified
- Presence of personal checks in petty cash
- Sudden activity in a dormant account
- Taxpayer complaints that they are receiving nonpayment notices
- Discrepancies between bank deposits and postings

- cash transactions
- Large number of account write-offs
- Bank accounts not reconciled on a timely basis
- Unauthorized bank accounts
- Abnormal number of expense items or reimbursement to an employee

RED FLAGS IN BILLING SCHEMES

- Remittance to PO Box
- Telephone does not match physical address
- Consistent billing in round Increasing purchases to numbers
- Address matches employee address
- Invoices consistently under approval limits

- Use of consecutive invoice numbers
- Invoice numbers and dates do not correspond
- same vendor
- Incomplete vendor master information
- Unspecified consulting or other services

RED FLAGS CHECK TAMPERING SCHEMES

- Voided or missing checks
- Invoices posted to inconsistent accounts
- Checks used out of order
- Journal entries to cash
- Duplicate check numbers on bank reconciliations

- Altered or dual endorsements
- Customer complaints regarding payments
- Checks payable to cash
- Altered payee on checks
- Checks payable to employees

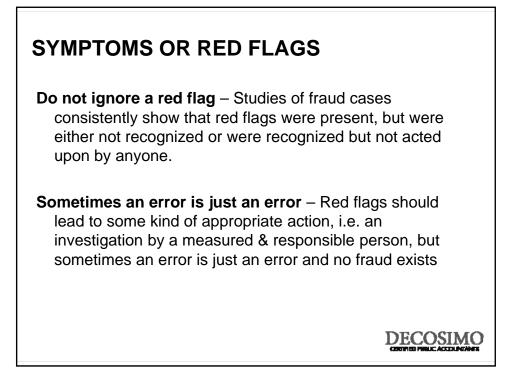
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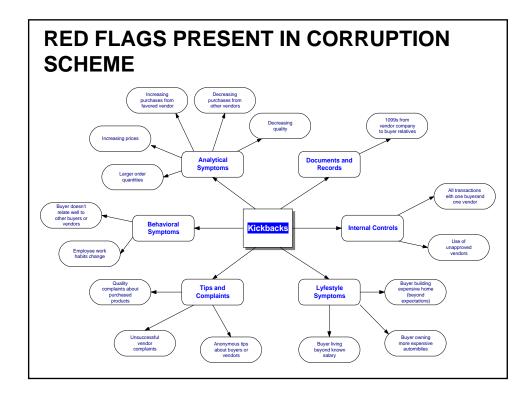
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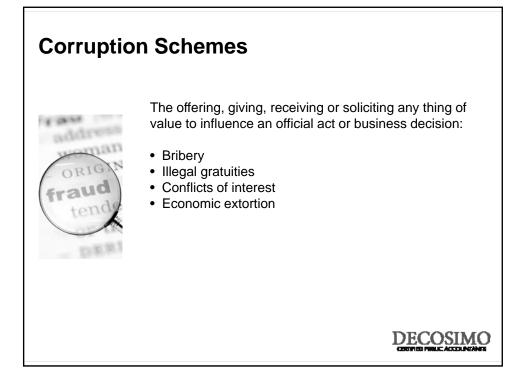
RED FLAGS IN PURCHASING OR INVENTORY SCHEMES

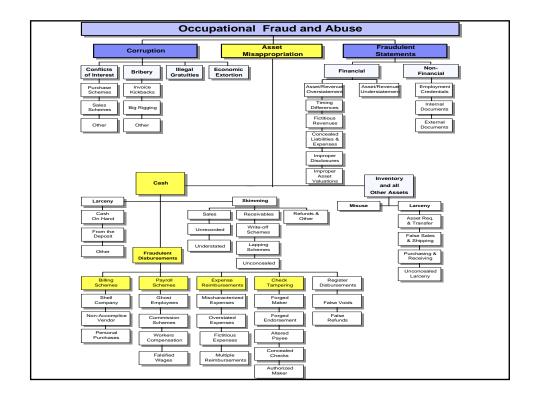
- Increasing number of complaints about services
- Vendors without physical address
- Lack of physical security over assets / inventory
- Excessive inventory or slow-moving inventory
- Payments to vendors not included on an approved vendor list
- Vendor address matching employee address

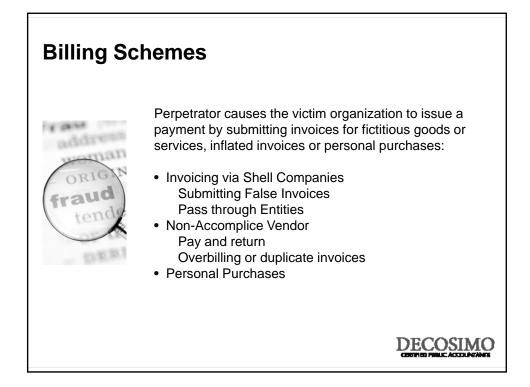
- Abnormal inventory shrinkage
- Purchases that bypass normal procedures
- Charges without shipping documents
- Vendor payments picked up rather than having it mailed
- High volume of purchases from new vendors

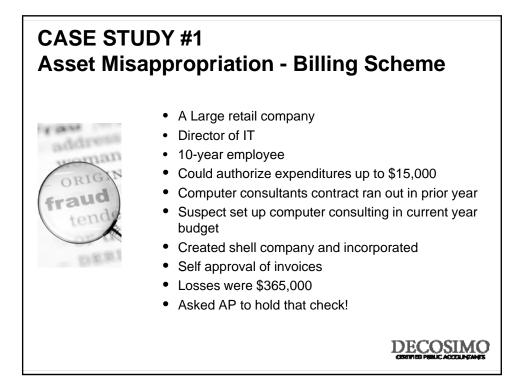












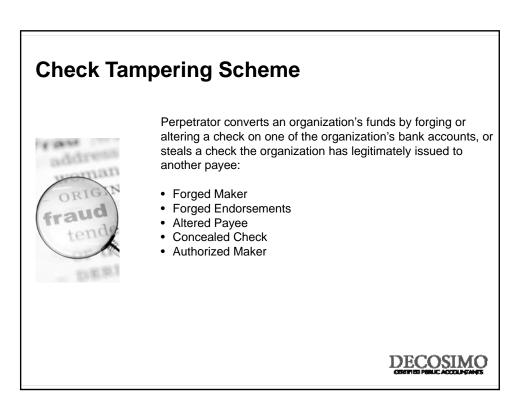
CASE STUDY #1 Asset Misappropriation - Billing Scheme

Controls to Prevent or Detect

- 1. Promote a culture of integrity
- 2. Provide fraud awareness training
- 3. Promote the company's anonymous hotline and protect whistleblower's
- 4. Require reporting of management override of controls and procedures

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5. Perform necessary due diligence on all new vendors



CASE STUDY #2 Asset Misappropriation – Check Tampering



- A Medium size manufacturing company
- Suspect was Assistant Controller
- 8-year employee
- Responsible for accounts payable and payroll
- Suspect has purchased new car and traveled each year
- Approximately 7 years prior, suspect has tax lien
- Check numbers and dates out of sequence
- Vendor name on check was different than records
- Losses were \$650,000
- Backed up system, produced checks, restored system

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• Removed checks/check copies from statement

CASE STUDY #2 Asset Misappropriation – Check Tampering Controls to Prevent or Detect 1. Obtain a credit report on all employees involved in handling of funds 2. Have someone independent of disbursements receive and review the bank statement and canceled checks each month

- 3. Have someone independent of disbursements account for all checks, including voided checks
- 4. Never pre sign checks
- 5. Have the associate roll forward the GL cash account each month in addition to reconciling the bank statement



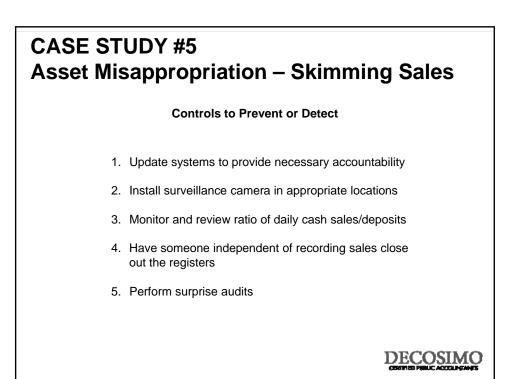
CASE STUDY #5 Asset Misappropriation – Skimming Sales



- Chain of 10 drug stores
- 5-year employee of the company and college student
- Was considered a very trusted employee and friend of the family
- Prescription system was not tied to cash register
- Entered "no sale" to open the register for cash sales
- Many times would enter "no sale" for friends and family
- Closed the store and insisted on closing the register for prescription sales

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• Bought several cars and boat



CASE STUDY #3 Asset Misappropriation - Inventory



- · Large parts manufacturing company
- Perpetrator was warehouse manager
- 18-year employee
- Was considered very knowledgeable about all inventory in the warehouse
- Never took vacations
- · Obtained pass word from wife
- Had product picked up during third shift
- Arrived early and removed inventory and shipping information from system

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CASE STUDY #4 Fraudulent Financial Reporting



- Large manufacturer of computer components
- CFO was 12-year employee of the company
- Several years before, the company was very profitable
- CFO was very aggressive in setting up loss contingency and other reserves
- When there was a downturn in the economy, company needed additional financing

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- Loss contingencies and reserves were reversed into income
- After financing obtained, company subsequently declared bankruptcy

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