Vendor Master Files:

The Key to Managing Payables Errors and Fraud



Presented By:

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Vendor Master Files: The Key To Managing Payables Errors and Fraud

Richard B. Lanza, CPA, CFE, PMP

Cost Savings
Process Improvements
Prevent and Detect Fraud

Rich Lanza, CPA, CFE

President of Cash Recovery Partners, LLC

- Two decades of experience in audit technology and recovery auditing
- > 20 years experience in ACL and Excel dashboards
- A key contributor to IIA's Global Technology Audit Guide "Fraud in an Automated World" and ISACA's 2011 whitepaper on data analysis.
- Received an award from the ACFE for outstanding achievement in the development of the IIA Research Paper "Proactively Detecting Fraud"
- Written over 75 articles for major audit and accounting publications
- Authored 13 publications and training courses in audit software
- Has found millions for many Fortune 100 companies and other entities (companies from \$30MM to \$30B)
- Created <u>www.findmillions.net</u> to assist companies in identifying recovery and prospective savings and <u>www.auditsoftware.net</u> / <u>www.auditsoftwarevideos.com</u> to improve audit software's usage

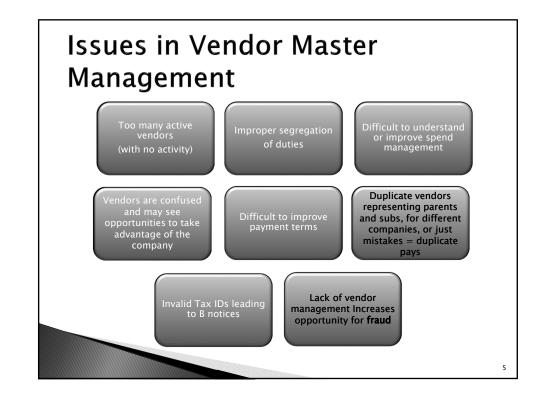


cashrecovery,

Learning Objectives

- How to Implement Key Internal Controls to Prevent Errors and Fraud
 - Simple Ways to Reduce Opportunities for Error and Fraud
 - ➤ Running Key Reports Regularly to Identify Fraud Exposures (Free List of Top Reports Included)
- Fraud Detection Techniques: What You Can Do Today
 - > How to Adopt a Methodology for Vendor Name Entries
 - ➢ How to Proactively Detect Fraud Red Flags Using Reporting and Other Techniques
- Top Report Techniques in Access and Excel to Eliminate Dormant Accounts
 - > How to Use Excel as Audit Software For Your Vendor Cleansing and Analysis Needs
 - Maximize External Data Sources to Improve Data Quality and Detect Wrongdoers
 - Improve Your Holistic View of Your Supplier Spend to Create a Perpetual Cash Machine for the Organization

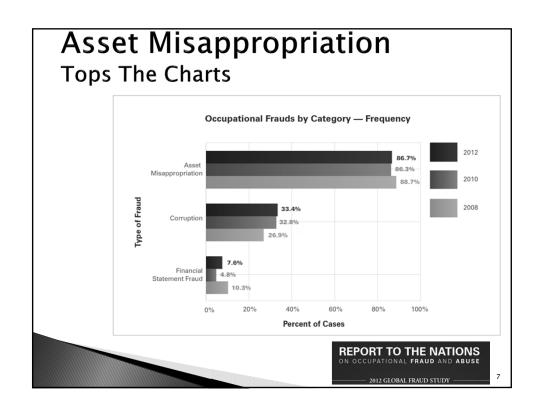


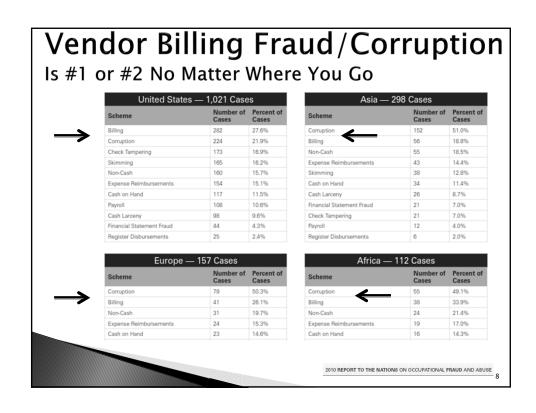


The vendor master file is a company's bellwether for protecting its cash.

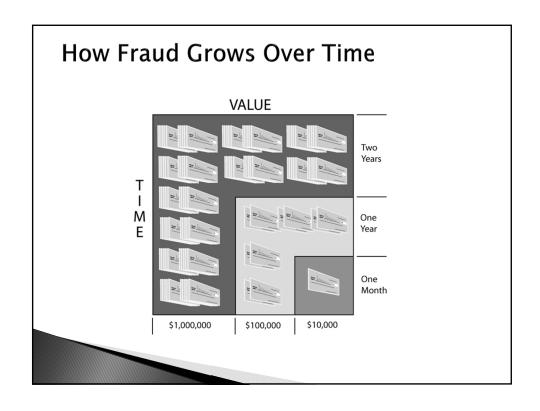
An open vendor account that can be paid against is like an open wallet.

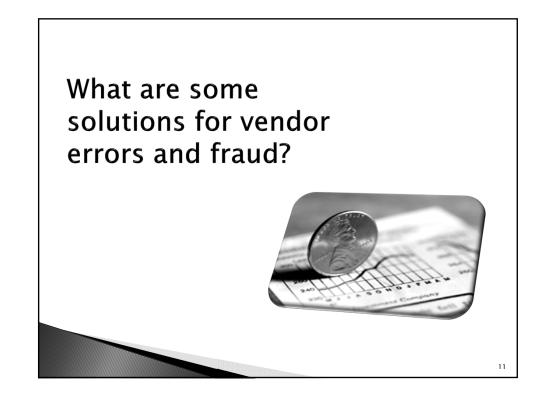






Corruption By Industry Corruption Cases by Industry Oil and Gas 44 22 50.0% 18 47.4% Real Estate 12 42.9% Agriculture, Forestry, Fishing and Hunting 40.0% Banking and Financial Services 36.2% Transportation and Warehousing 13 36.1% Government and Public Administration 141 35.5% 47 Construction 34.0% 33.8% 92 30.4% 43 13 30.2% Services (Professional) 27.3% 26.9% 83 19 22.9% Religious, Charitable or Social Services 54 22.2% Communications and Publishing REPORT TO THE NATIONS ON OCCUPATIONAL FRAUD AND ABUSE 2012 GLOBAL FRAUD STUDY





Solutions in Vendor Master Management

Reduce inactive vendors through analysis and assistance in database cleansing Identify segregation of duty gaps through reporting and respond accordingly (may lessen more costly controls)

Consolidate and report on spend data to identify new competitive bid situations

Report on vendors exhibiting unusual behavior and contact them / re-bid to deter any potential wrongdoing

Analyze payment terms and set a program to improve terms and payment discounts Reduce duplicate
vendors and
associated duplicate
payments through
reporting and research
assistance

Match Tax IDs to the IRS master database and proactively request new vendor information

Improved vendor management decreases the opportunity for **fraud**

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Technology Components Include:

Vendor Duplication Testing

Vendor Duplicate Payment Testing

Vendor Terms Analysis

Inactive or Incomplete Vendors

Employee to Vendor Matching

Assess 1099 Exposure/Assist in Cleanup Effort

Relate to External Databases (SSN Death Master, IRS TIN Matching Service, EPLS List, World Compliance Lists, and OFAC List)

Complete a Vendor Fraud / FCPA Analysis (Scoring)

Cost Savings Opportunity Analysis

Using Excel as an Audit Software Free whitepaper by Rich Lanza

http://auditsoftware.net/excel-use.html



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Vendor Duplication Testing

- Duplicate 1st 15 Chars of Address and Zip Code
 - Numbers in the address or characters in the address
- Duplicate 1st 8 Chars of Vendor Name
- Duplicate TIN Number
- Duplicate Phone Number
- Duplicate Address and Different Supplier Name
- Fuzzy matching (Levenshtein)
 - Can be done in ActiveData or other audit software products



Duplicate Payment Example

- ▶ Run 12 15 variant reports
 - Supplier, invoice number, invoice date, and amount
 - Numbers in invoice number
 - Absolute value of amount
- Prioritize the duplicate items and remove them from less priority versions

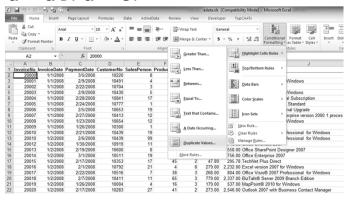


- Remove items based on debit memos or voided payments
 - Filter voids and use VLOOKUP on listing of debit memos
- Score based on knowledge of that vendor from other company audits or other

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Options for Duplicate Testing

- ▶ Excel Conditional Formatting
- To combine fields use & character:
 - A1 & " " & B1 & " " C1



Vendor Data Normalization Steps

Develop Lookup List

	Α	В		
1 Add1		Add2		
31	СО	Company		
32	INC	Incorporated		
33	CORP	Corporation		
34	P.C.	PC		
35	LLC	Limited Liability Company		
36	ALY	Alley		
37	AVE	Avenue		
38	BND	Bend		
39	BLF	Bluff		
40	BLVD	Boulevard		

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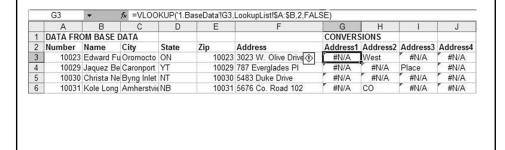
Vendor Data Normalization Steps

Data > Text to Columns

F	G	Н		J
₹)	SPLIT ADDRESS		1	T.
Address	Address1	Address2	Address3	Address4
3023 W. Olive Drive	3023	W.	Olive	Drive
787 Everglades PI	787	Everglades	PI	
5483 Duke Drive	5483	Duke	Drive	
5676 Co. Road 102	5676	Co.	Road	102
				1

Vendor Data Normalization Steps

Lookup Values To Lookup List



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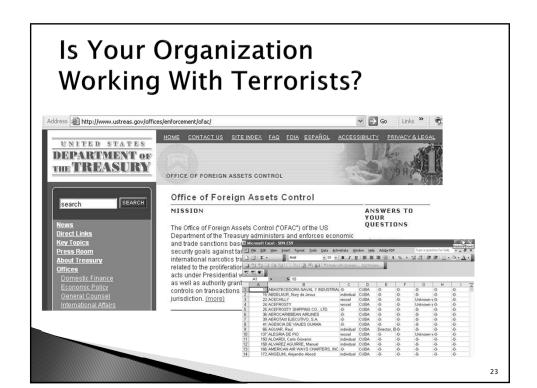
Other Options for Duplicate Testing

- Access
 - www.microsoft.com
- ActiveData for Excel
 - http://www.informationactive.com/asv
- ACL Software
 - www.acl.com
- ▶ IDEA Software
 - www.caseware.com
- WizSame
 - www.wizsoft.com

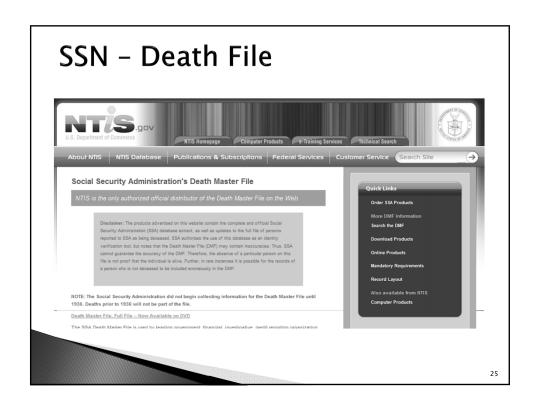
Are Your Vendors Real? IRS TIN Matching Program

- ▶ Validates U.S. Tax Identification Numbers
- Can submit up to 100,000 TIN submissions at a time
- Make sure all punctuation is removed
- See http://www.irs.gov/taxpros/ and enter "TIN matching program" in the search box





Is Your Organization Working With Banned Companies? EPLS is the excluded party list service of the U.S. Government WWW.EPLS.GOV

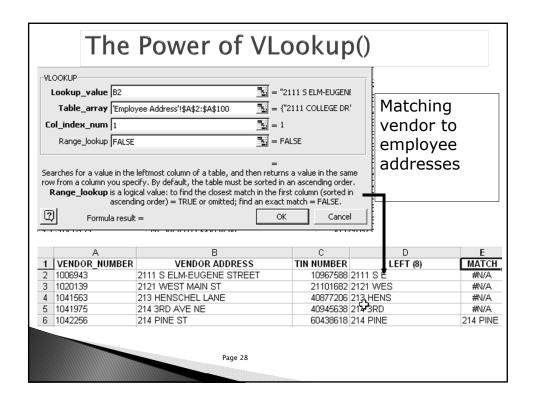


Basic Business Information

- Do a quick check on www.411.com or Google
- Research them online with additional tools
 - See BRB Publications (www.brbpub.com)
- Check any state public listings or use additional fee-based services for vendor information

Employee/OFAC/EPLS to Vendor Testing

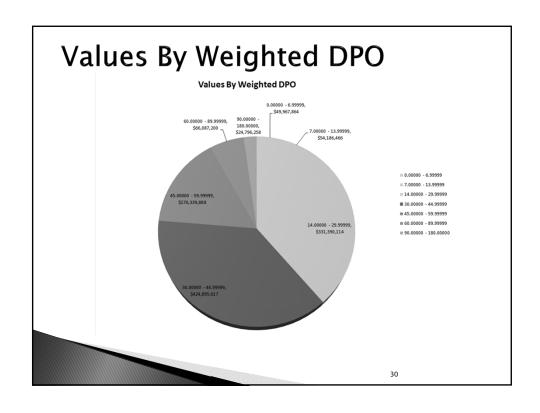
- Work on address, bank account, and TIN more so than employee name
- Split numbers from words in the address
 - Use Text to Columns
- Match on first characters in the address words or address numbers fields
 - Use the LEFT() function
 - Vlookup =VLOOKUP(A2,\$N\$15:\$Q\$59,2,FALSE)



How to Catch Kickback Fraud

- Identify major gaps between contracted and market price
- Perform independent RFP process
- Ensure an appropriate deal is struck which limits the potential for overspending on price and quantity (going forward)





Profit Opportunities

- Accounts Payable
- Audit Fee Benchmarking
- Advertising Agency
- Document Fleet
- ▶ Freight
- Health Benefits
- ▶ Lease
- Media
- Order to Cash

- Proactive Fraud Detection
- Project Fraud
- Real Estate Depreciation
- Sales & Use Tax / VAT / R&D tax
- Strategic Sourcing
- Telecom
- Travel and Entertainment
- Utilities



S-Ox Benefits

- Accurate financial statement reporting
 - Identifies hidden assets
 - Corrects overstated expenses



- Think of recovery projects as a proactive whistle blowing hotline to detect fraud (mostly with vendors)
- Remember that employees and vendors will ask "Will I get caught?" so if no one is looking.....fraud has more of a chance to happen.
- Collusion is the leading method for almost all of the headline frauds and vendor audits / strategic sourcing reduces the "spread" to make vendor conflicts less attractive
- Quantifies the need for improvement and focus in future year audits

Cost Recovery Opportunity Analysis

- Expenses for Analysis
 - Primarily SG&A
 - Cost of goods sold (i.e., freight)

Data Files

- General Ledger (trial balance)
- A/P Invoice Detail Distribution
- Purchase Orders
- Pricing List



Cost Recovery Opportunity Tests

A/P and G/L Review Factors

- · Accounts that are sole sourced
- Accounts that have too many vendors
- Categories that map to the "recovery list"
- Assess to industry cost category benchmark
- Top 100 vendors
- Trend analysis over time
- Trend analysis by vendor (scatter graph)

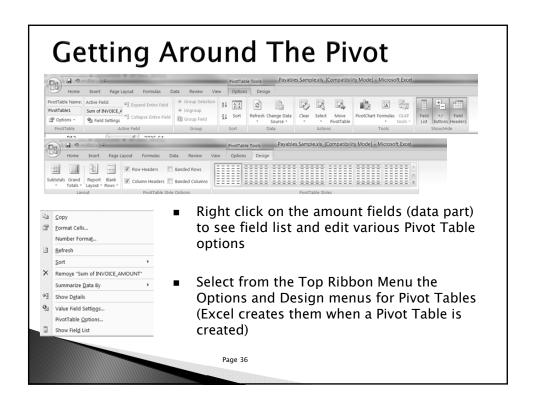


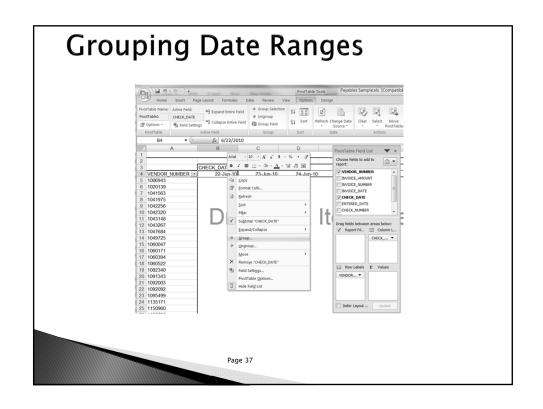
Purchase Order / Price List

- Match to invoice payments to assess price differences
- Strategic sourcing vendor review

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Getting Started: Pivot to New Sheet (B) 11 "7 Payables Sample.xls [Compatibility Mode] - Microsoft Excel Insert Page Layout Formulas Data Review View PivotTable Table Picture Clip Shapes SmartArt Column Line Pie Bar Area Scatter Other Hyperlink Text Header WordArt Signature Object Symbol Art Signature Object Symbol Box & Footer Line Signature Object Symbol Box & Footer Line Signature Object Symbol Box & Footer Signat ▼ (f_x 4699 A B C D E F G H 1 VENDOR NUMBER INVOICE AMOUNT INVOICE NUMBER INVOICE DATE CHECK DATE ENTERED DATE CHECK NUMBER PO NUMBER Create PivotTable Choose the data that you want to analyze © Select a table or range Table/Range: 'invoices paid'!\$A\$1:\$I\$4826 16 Use an external data source Choose where you want the PivotTable report to be placed New Worksheet Existing Worksheet OK Cancel Page 35





Sample Fraud Detection Reports

Violating Statistical Patterns

- Vendor values that are deemed exceptional after applying regression and standard deviation calculations
- > Invoice amount values themselves that appear unusual based on the number's digits
- Vendors who have a large percentage of rounded-amount invoices.

Conflicting External Data

- Tax identification numbers matching death master lists held by the Social Security Administration
- Vendor addresses not listed in Google Maps
- Google Maps shows vendor (business) address to be an apartment or other personal residence

Timing Differences

- Vendors who are consistently paid quickly, typically in less than 10 days
- Checks cut on a weekend or after-hours based on time stamps
- Unusual increasing or decreasing trends across business quarters

3.8

Transactional Score



A single score is given to each transaction based on its severity (number of attributes it meets)

Scores are summarized by enterer, vendor, and department (buyer)

Scattergraphs are completed of the results by:

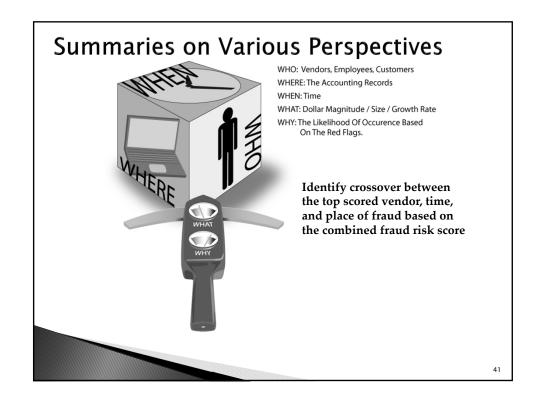
- Enterer
- Vendor
- · Department (buyer)

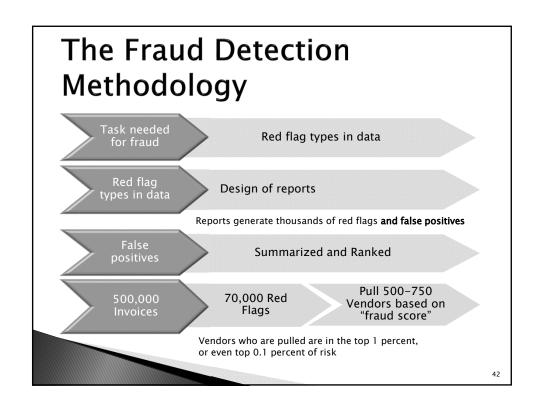
...focusing on severity/volume and differences in these variables

The Sampling "Problem" Bottom Line Numbers

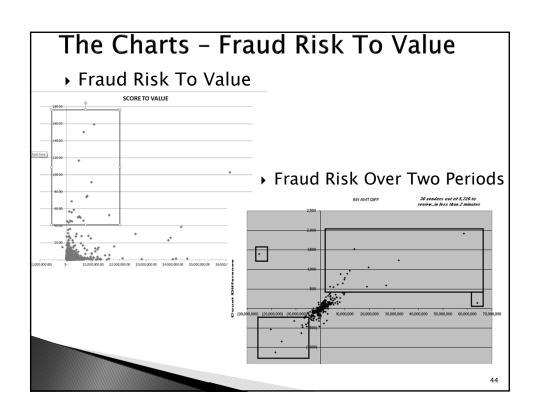
- Modern tests (round numbers, duplicates, missing fields) identify thousands of 'suspicious' transactions, usually about 1 in 5 of all transactions get a 'red flag'
- Historically at least 0.02 0.03 % of all transactions have real problems, such as a recoverable overpayment
- So roughly 0.00025 / 0.2 = 0.00125 or 1 in 800 'red flags' lead to a real problem.

Imagine throwing a random dart at 800 balloons hoping to hit the right one.









N	otes
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