

275 East Broad Street Columbus, OH 43215-3771 614-227-4090 www.strsoh.org

March 25, 2009

Mr. Aristotle Hutras, Director Ohio Retirement Study Council 88 E. Broad St., Suite 1175 Columbus, OH 43215

Dear Aris:

Pursuant to Substitute Bill 133 and as required by Section 3307.044 of the Ohio Revised Code, enclosed is a report of the actions of the Audit Committee of the State Teachers Retirement Board for calendar year 2008.

Please don't hesitate to contact me if you have any questions.

Sincerely,

Michael J. Nehf / Executive Director

Enclosure

RETIREMENT BOARD CHAIR
MARY ANN QUILTER CERVANTES

RETIREMENT BOARD VICE CHAIR MARK H. MEUSER

EXECUTIVE DIRECTOR
MICHAEL J. NEHF



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## **AUDIT COMMITTEE ANNUAL REPORT**

Audit Committee Members: Mary Ann Cervantes, Chair Jeffrey Chapman, Vice Chair Craig Brooks Dennis Leone

To: Ohio Retirement Study Council (ORSC)

Subject: STRS Ohio Audit Committee Report – 2008

Date: March 25, 2009

As required by Section 3307.044 of the Ohio Revised Code, the following report outlines the activities of the STRS Ohio Audit Committee and the STRS Ohio Internal Audit Department for the year ending Dec. 31, 2008. This report outlines the following: audit reviews completed during 2008; STRS Ohio Audit Committee meetings and actions; special reviews completed during 2008; and the 2009 Internal Audit Plan. Audit Committee members during 2008 were Mary Ann Cervantes, Jeffrey Chapman, Craig Brooks and Dennis Leone.

### **Audit Reviews Completed During 2008**

The attached 2008 Internal Audit Summary lists the audits performed, the scope for each audit, the recommendations to management, management's response and expected implementation date. The Internal Audit Summaries were mailed to all State Teachers Retirement Board members in March, May, August and December 2008.

### STRS Ohio Audit Committee Meetings and Actions

May 15, 2008 — The Audit Committee met to discuss the Internal Audit Quarterly Report of audit findings and recommendations. Internal Audit provided background information and clarification to areas of interest ranging from specific audits to general processes and confirmed staff cooperation.

The Audit Committee also discussed hiring a consultant to perform Information Technology (IT) reviews on an as-needed basis instead of hiring a full-time IT auditor (due to higher than expected IT audit salaries). It was understood that the Audit Committee would have to approve any expenditure in this area before there was an official commitment of resources.



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Sept. 18, 2008 — The Audit Committee met with Kevin Rohrs, from Clifton Gunderson, to discuss the audit scope for the external audit. Committee members asked if Clifton Gunderson was doing more detailed review of investment information to verify accuracy and increase the likelihood that the investments data is reliable.

The Committee also met with Phil Licata and Carol Feeny, from Jefferson-Wells, to discuss the proposed scope of work for the independent IT audit reviews.

Dec. 11, 2008 — The external auditors (Clifton Gunderson) were present to provide the results of the 2008 STRS Ohio financial examination for the year ending June 30, 2008. The Clifton Gunderson presentation included a Report on Internal Control Over Financial Reporting and on Compliance and Other Matters. Gunderson also discussed recent GASB pronouncements affecting public pension plans. The Audit Committee also reviewed the 2008 Internal Audit Plan and 2007 Internal Audit Summary of audit findings and recommendations.

### **Special Reviews**

The STRS Internal Audit Department did not perform any special reviews during 2008.

### 2009 Internal Audit Plan

The 2009 Internal Audit Plan was approved by the Retirement Board on Dec. 11, 2008. A copy of the 2009 Plan is enclosed.

If you have any questions or need further information, please feel free to call me at (614) 227-2821.

Respectfully submitted,

Ďavid S. Tackett, CFA, CPA, CIA

Chief Audit Executive



# 2008 Internal Audit Summary

Audit Acce	9	P	Management's	lum la marata d	Implementation Date or Targeted Implementation
Audit Area	Scope	Recommendations	Response	Implemented	Date
Alternative Investments 2008	Proper Notification & Approval  Due Diligence	Develop a formal document that controls the due diligence process and includes secondary associate review	Agree	Yes	11/28/2008
	Valuations Monitoring	Establish written policies for monitoring general partners. The written checklists should be prepared annually for each investment	Agree	Yes	11/28/2008
	Segregation of Duties	Develop a charter that lists the duties and responsibilities of the Investment Committee	Agree	No	12/31/2008
Building Maintenance	Purchases of Goods and Services Preventive Maintenance Associate Training Quality Assurance	Prioritize building maintenance work- orders as "High, Medium or Low" to ensure appropriate attention is given to critical areas.	Final Report Under Mgt. Review	N/A	N/A
Call Center	Associate Training Scheduling of Call Center Associates Monitoring of Associates	Draft Report Under Mgt. Review	N/A	N/A	N/A
Contribution Reporting	Compliance Foundation Receipts/Reconciliations Monthly Deposit Processing	Audit in Progress	N/A	N/A	N/A
Derivatives	Derivatives Classification/Reporting  Currency Forward Settlements  Swap Settlements	Audit in Progress	N/A	N/A	N/A
Domestic Equities	Investment Policy Compliance Monitoring of External Managers External Manager Fees	Audit in Progress	N/A	N/A	N/A
Fixed Assets - Computers	Purchasing Accuracy of Inventory Records Disposition	Audit in Progress	N/A	N/A	N/A
Fixed Assets - Non Computer	Tracking and Reporting Depreciation Disposition	Audit Initiated	N/A	N/A	N/A
Insurance*	Compliance with STRS Ohio Risk Management Manual  Adequacy of Existing Insurance Policies  Adequacy of Carrier's Ratings  Accuracy of Premium Payments  Segregation of Duties	Update the Risk Management Manual as soon as possible	Agree	No	12/31/2009

Audit Area Investment Performance	Scope Accuracy of PBI Awards	Recommendations Audit Resulted in No Recommendations	Management's Response N/A	Implemented N/A	Implementation Date or Targeted Implementation Date N/A
Ohio Ethics Commission Reporting	Investment Policy Compliance Segregation Duties G/L Postings Review and Signoff OEC Spreadsheet Accuracy	Staff involvement in the Board's OEC reporting process be eliminated or significantly reduced  Eliminate redundant or unnecessary processes	Final Report Under Mgt. Review	N/A	N/A
Post-Retirement Benefits*	Death Matches Annuity Certain Expirations Overpayments/Collections	Review the overpayments and collections process and develop methods to keep information between multiple departments synchronized	Agree	Yes	11/01/2008
	Disbursements Compliance Reselections	Review V3 functionality and determine if the overpayments/collections process has been captured or improved	Agree	Yes	Upon STaRS (V3) Implementation
Proxy Voting	Compliance	Audit in Progress	N/A	N/A	N/A
Purchasing Service Credit	LEGACY access  Certifications and Cost Calculations  Member Applications  Accredited Institutions	Audit in Progress	N/A	N/A	N/A
Purchasing Service Credit-Payroll Deduction	Member Applications Processing of Payroll Deduction Receipts Processing of Refund Payments	Audit Initiated	N/A	N/A	N/A
Records Management	Policy Compliance Imaging	Audit Initiated	N/A	N/A	N/A
Securities Lending	Policies and Procedures  Compliance  Reinvestment of Cash Collateral	Operations Dept. performs compliance reviews and Finance reviews income collections for all asset classes to maintain proper segregation of duties	Agree	Yes	07/28/2008
	Accuracy of Income Approved Borrowers	Automate manual review and verification processes where possible to increase efficiency and reduce the risk of errors	Agree	No	01/01/2009
	Reconciliation of Monthly Earnings Report	Perform a more detailed reconciliation and income split reviews on a monthly basis to verify proper income allocation	Agree	Yes	06/03/2008
		Operations Dept. to verify Bank of New York securities lending compliance with STRS' Approved Borrowers List periodically	Agree	Yes	07/28/2008

					Implementation	İ
					Date or Targeted	ĺ
			Management's		Implementation	ĺ
Audit Area	Scope	Recommendations	Response	Implemented	Date	ĺ

# **Closed Audits**

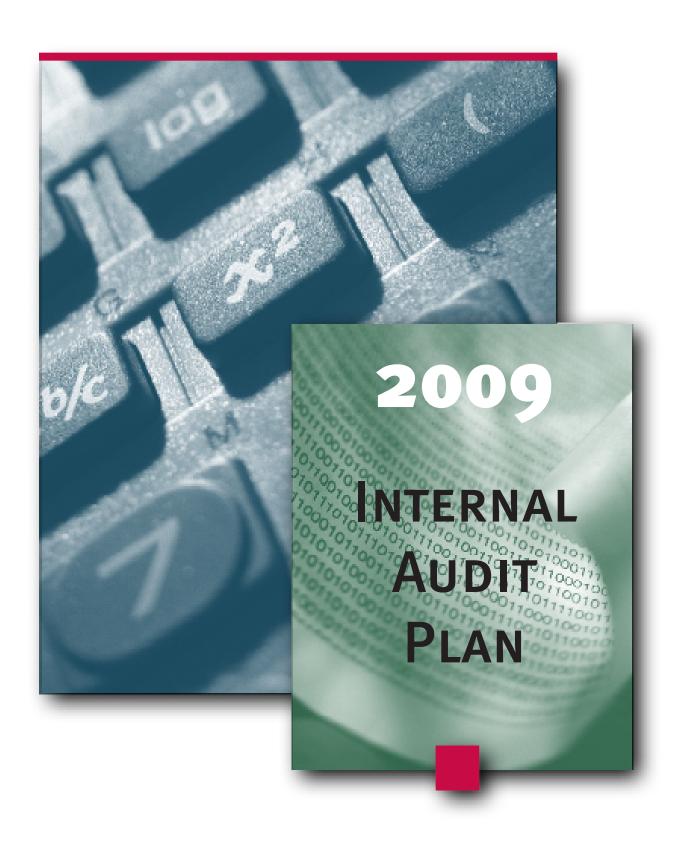
oper Notification and Approval e Diligence	Add additional staff to allow for an increased level of performance related to due diligence	Agree	Yes	6/30/2006
nding Process	Perform a cost/benefit analysis of obtaining additional technology re-	Agree	Yes	3/31/2008
ntributions and Distributions	sources to improve monitoring and analysis of program performance			
anagement Fees	Verify the accuracy of each general	Agree	Yes	3/31/2008
-		Agree	Vac	3/31/2008
I. Reports	conducting and documenting the due diligence process	Agree	103	3/31/2000
mpliance with Investment Advisor ecommendations				
or Authorization	Establish formal procedures for translating foreign expenditures	Agree	Yes	11/07/2008
oper Documentation/Approval	When possible, track foreign	Agree	Yes	11/07/2008
mpliance	expenditures by using credit cards so that \$U.S. can be identified on statements			
mpliance	Audit Resulted in No Recommendations	N/A	N/A	N/A
nefit Processing	Audit Resulted in No Recommendations	N/A	N/A	N/A
examination Schedules				
yment of Medical Invoices				
atement of Employment/Earnings				
rmination of Benefits	A Prop. No. 11 Al D	N//0	NIA	N/2
mpliance with Investment bjective and Policy Statement	Audit Resulted in No Recommendations	N/A	N/A	N/A
onth / Year-End Pricing				
and the Appropriate				
counting / Reporting				
e Diligence				
e Diligence				
e Diligence easuring / Controlling Risk				
e Diligence easuring / Controlling Risk erest Income	Develop procedures and controls that	Agree	Yes	10/25/2007
e Diligence easuring / Controlling Risk erest Income ternal Manager Review	Develop procedures and controls that improve G/L postings and reconciliations for Health Care accounts	Agree	Yes	10/25/2007
e Diligence easuring / Controlling Risk erest Income ternal Manager Review intract Compliance	improve G/L postings and reconciliations for Health Care	Agree Agree	Yes	10/25/2007
or all or e y ar re	natributions and Distributions nagement Fees nitoring of Alternative Investments gregation of Duties Reports Impliance with Investment Advisor commendations or Authorization per Documentation/Approval Impliance Impli	regation of Duties Reports Rep	Perform a cost/benefit analysis of obtaining additional technology resources to improve monitoring and analysis of program performance  Verify the accuracy of each general partner capital call or distribution  Reports  Reports  Pestablish written procedures for conducting and documenting the due diligence process  Performance  Establish written procedures for conducting and documenting the due diligence process  Performance with Investment Advisor commendations  Part Authorization  Performance acost/benefit analysis of obtaining additional technology resources to improve monitoring and analysis of program performance  Agree  Establish written procedures for conducting and documenting the due diligence process  When possible, track foreign expenditures  When possible, track foreign expenditures by using credit cards so that SU.S. can be identified on statements  Performance  Audit Resulted in No Recommendations  N/A  Audit Resulted in No Recommendations  N/A  Performance  Agree  Agr	Intributions and Distributions Intributions In

Audit Area	Scope	Recommendations	Management's Response	Implemented	Implementation Date or Targeted Implementation Date
International Investing*	Compliance with Investment Objective and Policy Statement Reconciliation of Monthly Bank of New York (BONY) Reports External Management Fees Contract and Calculation BONY's Monitoring of Sub-Custodian Banks Valuation of International Portfolios Monitoring of External Managers Foreign Tax Reclamations Corporate Action - Dividend Payment Accuracy	Lower the tolerance threshold percentage for external portfolio manager reconciliations  Follow-up on uncollected foreign tax reclaims on a quarterly basis	Agree	Yes	1/9/2008
Purchasing Service Credit	Legacy Access  Certifications/Cost Calculations  Member Applications  Accredited Institutions  Posting of Purchased Service  Free Military Service Credit  Compliance with Ohio Revised Code	Audit Resulted in No Recommendations	N/A	N/A	N/A
Real Estate Investments 2007	Accuracy of Property Mgt. Fees Site Inspections External Compliance Reviews Property Valuations Tenant Surveys Legal Fees Compliance with Investment Objectives and Policy	Establish detailed policies and procedures to monitor and report on the use of leverage in REITs and non-core investments  All future legal decisions be approved by the STRS Ohio Chief Legal Counsel	N/A (Due to Policy Change. See Notation Below)  ≡ (See Mgt.'s Response Below)	N/A N/A	N/A N/A
Reemployed Retirees	Compliance with ORC Accuracy of Lump-Sum Payment Violations/Collections	Audit Resulted in No Recommendations	N/A	N/A	N/A

### **Rescheduled Audits**

Insurance/Risk Mgt.	· ·	Rescheduled from 2008 to 2009 Plan	N/A	N/A	N/A
	Manual				
	Carrier Ratings				
	Accuracy of Premium Payments				
	Segregation of Duties				

<sup>\*</sup>Audits were listed as "Under Mgt. Review," "In Progress," "Audit Initiated" or had not implemented recommendation(s) at the time of the last annual report.



### STATE TEACHERS RETIREMENT SYSTEM OF OHIO

275 East Broad Street Columbus, OH 43215-3771 614-227-4090 www.strsoh.org

# INTERNAL AUDIT DEPARTMENT

### **Mission Statement**

To work in partnership with associates to conduct value-added independent appraisals of policies and procedures to contribute to the continuous improvement of STRS Ohio.

### **Vision Statement**

To be recognized as an innovative department that, through independent appraisals and partnered solutions, strives for quality enhancements and the elimination of non-value-added processes.

To create an environment that encourages teamwork, innovation, open communication, empowerment and personal and professional growth.

### **Guiding Principles**

To achieve our mission and vision, we will:

- Prepare a comprehensive, practical, planned program of audit coverage consistent with STRS Ohio's mission, vision and guiding principles.
- Perform audits in compliance with professional standards.
- Verify the adequacy and effectiveness of STRS Ohio's systems of administrative, operating and financial controls.
- Understand the associates' business from their perspective.
- Produce objective, clear, concise, constructive and timely reports.
- Maintain contemporary professional proficiency through continuing education and training.
- Seek to continuously improve our team, tools and processes.
- Develop professional expertise for potential career opportunities within STRS Ohio.

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# 2009 INTERNAL AUDIT SCHEDULE

Audit Area	Description of Audit Area	Jan. Feb.	Mar. Apr.	May Jun.	Jul. Aug. Sep.	Sep.	Oct.	Nov.	Dec.
Fixed Income	Compliance Approved Brokers/Commissions Accuracy of Pricing Due Diligence Monitoring of External Managers								
Petty Cash	Compliance With Policies Café Operations Reconciliations Segregation of Duties								
Liquidity Reserves	Income Purchases/Sales Compliance								
Attendance Reporting	Accuracy of Database Compliance With Policies								
Unused Sick/Vacation Leave	Compliance Accuracy of Payments								
Alternative Investments	General Partner Review Valuations Fees Reporting/Accounting								
Educational Assistance Program	Compliance								
Flexible Spending Plans	Withholdings Disbursements								
Postage	Compliance Disbursements								
Other Staff Expenses	Compliance With Policies								
International Investing	External Manager Fees Monitoring of External Managers Foreign Tax Reclamations BNY Role as Sub-Custodian Valuations								
Risk Management/Insurance	Compliance With STRS Ohio Risk Manual Carrier Ratings Accuracy of Premium Payments Segregation of Duties								

# 2009 INTERNAL AUDIT SCHEDULE

Audit Area	Description of Audit Area	Jan.	Feb.	/ar. ≠	Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep.	y Jur	Jul.	Aug	. Sep.	Oct. Nov. Dec.	Dec.
Member Data Management	Third Party Access to Member Data Transmission of Member Data/Security Third Party Operations/Controls Contractual Language With Third Parties										
Investment Performance	Accuracy of PBI Awards Investment Policy Compliance										
Board Expenses	Pre-approval of Travel Timeliness/Accuracy of Reimbursements Compliance With Rules/Policies										
Annual Reporting	Report Processing										
Real Estate	Compliance With Policies/ORC Asset Management Review of Property Manager Expenses Valuations										
Jefferson-Wells Review	IT Operations/Risk Assessment										
Internet/Intranet	Security										
Securities Lending	Compliance Accuracy of Income Approved Borrowers Quality of Collateral Reporting/Accounting										

# **RISK FACTORS**

Risk Factor	Risk Factor Description	Weighting
A	Adequacy and Effectiveness of the System of Internal Controls	9
В	Major Changes in Technology, Operations, the Organization or the Economy	8
С	Dates and Results of Previous Audits	7
D	Recent or Relevant Changes in Key Personnel	6
E	Complexity or Volatility of Activities	5
F	Asset Size or Transaction Volume	4

# **RISK ASSESSMENT SCALE**

The risk assessment scale is a 9-point system with graduations of risk as follows:

Risk Factor Description	Score
Extremely Risky	9
Very Risky	7
Risky	5*
Slightly Risky	3
Not Risky	1

<sup>\*</sup> If no previous audit was performed, the auditable area was assessed a 5 — Risky.

# **ASSIGNMENT OF RISK RATING**

			Risl	k Facto	rs*		
Audit Area	Α	В	С	D	Е	F	Total
ADN	IINISTE	RATION	l				
				_			
Associate Payroll	2	2	2	2	2	3	13
Associate Travel Expenses	2	2	3	2	2	2	13
Attendance Reporting	3	2	3	2	2	3	15
Benefit Check Printing	3	4	3	3	3	3	19
Board Elections	2	2	2	2	2	1	11
Board Expenses	2	2	2	2	2	2	12
Building Maintenance	2	2	2	2	2	2	12
Business Continuity Plan	3	3	3	3	4	3	19
Child Care Center	2	3	2	2	2	2	13
Educational Assistance Program	2	2	2	2	2	2	12
Fixed Assets — Computer Equipment	3	3	3	3	3	3	18
Flexible Spending Plans	3	3	3	3	2	2	16
Insurance/Risk Management	3	3	3	3	2	2	16
Internet/Intranet	2	3	3	2	3	3	16
Network Security	3	3	3	2	2	2	15
Ohio Ethics Commission Reporting	1	2	2	2	2	1	10
Other Staff Expenses	2	2	5	2	1	1	13
Personal Investment Disclosure	2	2	2	2	2	2	12
Postage	2	2	3	2	2	3	14
Prior Work Experience —							
Vacation Leave Credit	3	3	3	2	3	2	16
Purchasing Practices	3	3	3	2	2	3	16
Unused Sick and Vacation Leave	2	2	5	2	2	1	14

State Teachers Retirement System of Ohio 2009 Internal Audit Plan December 2008

# **ASSIGNMENT OF RISK RATING**

Audit Area	Α	В	С	D	E	F	Total
	FINAN	ICE					
Accounts Payable	2	2	2	2	2	2	12
Actuarial Processing	3	2	2	2	2	2	13
Annual Reporting	2	2	2	2	2	2	12
Annual Statements	2	2	2	2	2	2	12
Contribution Reporting	2	3	3	2	2	3	15
Early Retirement Incentive Credit	2	2	2	2	3	2	13
Employer Audits	3	2	3	2	2	2	14
Financial Reporting (STRS Ohio)	3	4	2	2	4	4	19
Fixed Assets	3	2	3	2	2	2	14
Income Taxes	4	4	2	2	2	4	18
Member Withdrawals	3	3	3	2	2	3	16
Petty Cash	3	2	4	3	1	1	14
Purchasing Service Credit							
by Payroll Deduction	3	3	3	2	3	2	16

INVESTMENTS									
Alternative Investments	4	5	3	2	4	3	21		
Derivatives	3	4	2	2	4	2	17		
Equities	3	4	2	2	4	5	20		
Fixed Income	2	4	2	2	3	3	16		
International Investing	3	4	2	3	4	5	21		
Investment Performance	3	3	2	2	3	2	15		
Liquidity Reserves	2	3	3	2	2	2	14		
Proxy Voting	2	2	2	3	2	1	12		
Real Estate	3	4	3	2	3	3	18		
Securities Lending	3	4	2	2	3	4	18		

State Teachers Retirement System of Ohio 2009 Internal Audit Plan December 2008

# **ASSIGNMENT OF RISK RATING**

	Risk Factors*						
Audit Area	Α	В	С	D	E	F	Total
	MEMBER B	ENEFIT	S				
Call Center	2	2	2	2	2	2	12
Defined Contribution Plan	2	2	2	2	2	2	12
Disability Benefits	3	3	3	2	2	2	15
Health Care	2	3	2	2	3	4	16
Member Data Management	3	3	5	2	2	2	17
Post-Retirement Benefits	3	2	3	4	2	2	16
Purchasing Service Credit	2	3	2	2	3	2	14
Records Management	2	2	3	2	2	3	14
Reemployed Retirees	3	3	3	3	2	2	16
Service Retirement Benefits	2	3	2	3	3	4	17
Survivor Benefits	2	2	2	3	2	2	13

State Teachers Retirement System of Ohio 2009 Internal Audit Plan December 2008

# **RISK FACTORS WEIGHTED**

	Risk Factors*							
Audit Area	Α	В	С	D	Е	F	Total	
ADMINISTRATION								
Associate Payroll	18	16	14	12	10	12	82	
Associate Travel Expenses	18	16	21	12	10	8	85	
Attendance Reporting	27	16	21	12	10	12	98	
Benefit Check Printing	27	32	21	18	15	12	125	
Board Elections	18	16	14	12	10	4	74	
Board Expenses	18	16	14	12	10	8	78	
Building Maintenance	18	16	14	12	10	8	78	
Business Continuity Plan	27	24	21	18	20	12	122	
Child Care Center	18	24	14	12	10	8	86	
Educational Assistance Program	18	16	14	12	10	8	78	
Fixed Assets — Computer Equipment	27	24	21	18	15	12	117	
Flexible Spending Plans	27	24	21	18	10	8	108	
Insurance/Risk Management	27	24	21	18	10	8	108	
Internet/Intranet	18	24	21	12	15	12	102	
Network Security	27	24	21	12	10	8	102	
Ohio Ethics Commission Reporting	9	16	14	12	10	4	65	
Other Staff Expenses	18	16	35	12	5	4	90	
Personal Investment Disclosure	18	16	14	12	10	8	78	
Postage	18	16	21	12	10	12	89	
Prior Work Experience —								
Vacation Leave Credit	27	24	21	12	15	8	107	
Purchasing Practices	27	24	21	12	10	12	106	
Unused Sick and Vacation Leave	18	16	35	12	10	4	95	

# **RISK FACTORS WEIGHTED**

	Risk Factors*						
Audit Area	Α	В	С	D	E	F	Total
	FINAN	NCE					
Accounts Payable	18	16	14	12	10	8	78
Actuarial Processing	27	16	14	12	10	8	87
Annual Reporting	18	16	14	12	10	8	78
Annual Statements	18	16	14	12	10	8	78
Contribution Reporting	18	24	21	12	10	12	97
Early Retirement Incentive Credit	18	16	14	12	15	8	83
Employer Audits	27	16	21	12	10	8	94
Financial Reporting (STRS Ohio)	27	32	14	12	20	16	121
Fixed Assets	27	16	21	12	10	8	94
Income Taxes	36	32	14	12	10	16	120
Member Withdrawals	27	24	21	12	10	12	106
Petty Cash	27	16	28	18	5	4	98
Purchasing Service Credit	·		·	·			·
by Payroll Deduction	27	24	21	12	15	8	107

INVESTMENTS									
Alternative Investments	36	40	21	12	20	12	141		
Derivatives	27	32	14	12	20	8	113		
Equities	27	32	14	12	20	20	125		
Fixed Income	18	32	14	12	15	12	103		
International Investing	27	32	14	18	20	16	127		
Investment Performance	27	24	14	12	15	12	104		
Liquidity Reserves	18	24	21	12	10	8	93		
Proxy Voting	18	16	14	18	10	4	80		
Real Estate	27	32	21	12	15	12	119		
Securities Lending	27	32	14	12	15	16	116		

State Teachers Retirement System of Ohio 2009 Internal Audit Plan December 2008

# **RISK FACTORS WEIGHTED**

		Risk Factors*						
Audit Area	Α	В	С	D	E	F	Total	
	MEMBER B	ENEFI	TS					
Call Center	18	16	14	12	10	8	78	
Defined Contribution Plan	18	16	14	12	10	8	78	
Disability Benefits	27	24	21	12	10	8	102	
Health Care	18	24	14	12	15	16	99	
Member Data Management	27	16	35	12	10	8	108	
Post-Retirement Benefits	27	16	21	24	10	8	106	
Purchasing Service Credit	18	24	14	12	15	8	91	
Records Management	18	16	21	12	10	12	89	
Reemployed Retirees	27	24	21	18	10	8	108	
Service Retirement Benefits	18	24	14	18	15	16	105	
Survivor Benefits	18	16	14	18	10	8	84	

State Teachers Retirement System of Ohio 2009 Internal Audit Plan December 2008

# 2009 INTERNAL AUDIT WORK PLAN

Audit Area	Driority	Dont	Risk	Last	Estimated Audit	Dick Codes
Audit Area	Priority	Dept.	Score	Audit	Date	Risk Codes
Alternative Investments	High	<u> </u>	141	2008	Mar-09	F, I, C, O
International Investing	High	I	127	2007	May-09	F, I, C, O
Equities	High	I	125	2008		F, I, C, O
Real Estate	High	I	119	2007	Aug-09	F, I, C, O
Derivatives	High	1	113	2008		F, I, C, O
Fixed Income	High	I	103	2007	Jan-09	F, I, C, O
Liquidity Reserves	High	I	93	2007	Feb-09	F, I, C, O
Business Continuity Plan	Med.	Α	122	2007		F, I, C, O
Financial Reporting (STRS Ohio)	Med.	F	121	2006		I, C, O
Risk Management/Insurance	Med.	Α	108	2006	Jun-09	F, I, C, O
Member Data Management	Med.	MB	108	N/A	Jun-09	PS, C
Health Care	Med.	MB	99	2007		I, C, O
Contribution Reporting	Med.	F	97	2008		I, C, O
Accounts Payable	Med.	F	78	2007		I, C, O
Annual Reporting	Med.	F	78	2006	Aug-09	I, C, O
Annual Statements	Med.	F	78	2007		I, C, O
Defined Contribution Plan	Med.	MB	78	2007		I, C, O
Benefit Check Production Process	Low	Α	125	2007		I, C, O
Income Taxes	Low	F	120	2007		I, C, O
Fixed Assets — Computer Equipment	Low	Α	117	2008		I, C, O
Securities Lending	Low	I	116	2007		I, C, O
Flexible Spending Plans	Low	Α	108	1998	Apr-09	I, C, O
Reemployed Retirees	Low	MB	108	2007		I, C, O
Prior Work Experience — Vacation Leave Credit	Low	А	107	1995		I, C, O

### **Risk Codes:**

- F: Financial = Risk related to financial impact
- : Integrity = Risk related to accuracy of data or asset managed/presented
- C: Compliance = Risk related to non-compliance with laws/regulations/internal policies
- O: Operational = Risk related to operational efficiencies/inefficiencies
- PS: Public Sensitivity = No material financial impact but high public sensitivity

# 2009 INTERNAL AUDIT WORK PLAN

A	<b>D</b> 4 - 4	D	Risk	Last	Estimated Audit	Dist Octo
Audit Area	Priority	Dept.	Score	Audit	Date	Risk Code
Purchasing Service Credit by Payroll Deduction	Low	F	107	2008		I, C, O
Purchasing Practices	Low	Α	106	2008		I, C, O, PS
Member Withdrawals	Low	F	106	2006		I, C, O
Post-Retirement Benefits	Low	MB	106	2007		I, C, O
Service Retirement Benefits	Low	MB	105	2006		I, C, O
Investment Performance	Low	I	104	2008		I, C, O
Internet/Intranet	Low	Α	102	2004	Nov-09	I, C, O
Network Security	Low	Α	102	2006		I, C, O
Disability Benefits	Low	MB	102	2007		I, C, O
Attendance Reporting	Low	Α	98	2004	Mar-09	I, C, O
Petty Cash	Low	F	98	2003	Jan-09	I, C, O, PS
Unused Sick and Vacation Leave	Low	Α	95	N/A	Mar-09	I, C, O
					IVIAI-09	
Employer Audits	Low	F	94	N/A		I, C, O
Fixed Assets	Low	F	94	2008		I, C, O
Purchasing Service Credit	Low	MB	91	2008		I, C, O
Other Staff Expenses	Low	Α	90	N/A	May-09	I, C, O, PS
Postage	Low	Α	89	1995	May-09	I, C, O
Records Management	Low	MB	89	2008		C, O
Actuarial Processing	Low	F	87	1997		I, C, O
Child Care Center	Low	Α	86	2004		I, C, O
Associate Travel Expenses	Low	Α	85	2007		I, C, O, PS
Survivor Benefits	Low	MB	84	2006		I, C, O
Early Retirement Incentive Credit	Low	F	83	2005		I, C, O
Associate Payroll	Low	Α	82	2007		I, C, O

### **Risk Codes:**

- F: Financial = Risk related to financial impact
- I: Integrity = Risk related to accuracy of data or asset managed/presented
- C: Compliance = Risk related to non-compliance with laws/regulations/internal policies
- O: Operational = Risk related to operational efficiencies/inefficiencies
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Audit Area	Priority	Dept.	Risk Score	Last Audit	Estimated Audit Date	Risk Code
Proxy Voting	Low	I	80	2008		I, C
Call Center	Low	MB	78	2008		C, O
Board Expenses	Low	Α	78	2008	Aug-09	I, C, O, PS
Building Maintenance	Low	Α	78	2008		I, C, O
Educational Assistance Program	Low	А	78	1997	Apr-09	I, C, O
Personal Investment Disclosure	Low	Α	78	1996		I, C
Board Elections	Low	Α	74	2004		I, C
Ohio Ethics Commission Reporting	Low	А	65	2008		I, C, O, PS

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