

Teacher Retirement System of Texas Internal Audit Department

Fiscal Year 2019 Audit Plan

September 20, 2018





Executive Summary

Professional and Statutory Requirements

This document provides the *Fiscal Year 2019 Audit Plan* (Audit Plan) as required by professional auditing standards, the *Texas Internal Auditing Act* (Act), and *Texas Government Code 2102.008* for the Teacher Retirement System of Texas (TRS). The Act requires state agencies to conduct a program of internal auditing that includes an annual audit plan that is prepared using risk assessment techniques and identifies individual audit projects to be conducted during the year. The Audit Plan is required to be evaluated and updated annually for recommendation of approval by the TRS Audit Committee of the Board of Trustees (Audit Committee) to the TRS Board of Trustees (Board). Internal Audit is independent of management and provides objective assurance and consulting services designed to add value and improve TRS' operations.

Audit Plan Development and Scope

Our Audit Plan is designed to provide coverage of key risks, given the existing staff and approved budget. See the **Appendices** for information regarding the internal audit budget, performance measures, and audit plan mapped to the TRS Risk Assessment.

Changes Subsequent to Approval

Interim changes to the Audit Plan will occur from time to time due to changes in business risks, timing of TRS' initiatives, and staff availability. We will report Audit Plan changes to executive management and present changes to the Audit Committee at the next quarterly Audit Committee meeting. Amendments to the approved Audit Plan deemed to be significant (based on discussions with the executive director and audit committee chair) will be submitted to the Audit Committee for recommendation to the Board for approval. We will also notify the State Auditor's Office of material changes to the Audit Plan.





Risk Assessment & Audit Planning Approach

Interviews of TRS trustees, executives and staff, risk assessment surveys from prior years, and the current TRS Risk Assessment developed by the Enterprise Risk Management (ERM) team were used to identify areas of risk and potential internal audit projects. This information was combined into an overall audit plan designed to address critical risks to achieving TRS objectives while being sensitive to operational requirements. The Audit Plan also includes hours for ad hoc projects and special requests. The following approach was taken in creating the Audit Plan:

Information Gathering and Scoping	Risk Analysis	Development and Vetting of Proposed Audit Plan	Next Steps
 A. Gained understanding of industry trends and current environmental risks through training, publications, and industry personnel B. Read technical guidance from GASB and AICPA to identify changes to audit and accounting requirements C. Gained understanding of TRS' strategic objectives and key initiatives by reading the strategic plan D. Updated audit universe based upon changes in organizational structure, information from TEAM, and input from staff 	 A. Interviewed trustees, members of the TRS executive team, and staff to obtain various points of view on risks B. Reviewed previous surveys of executives and selected leadership team members on their assessment of risk in the categories of fraud, compliance, materiality, complexity, suspected concerns, and emerging risks C. Obtained latest ERM Stoplight Report to identify additional areas of risk 	 A. Developed a proposed Audit Plan based on interviews, risk assessments, resource availability, budget, and division coverage B. Met with Risk Oversight Committee to discuss proposed audit plan C. Proposed update to TRS Internal Audit Charter to ensure alignment with proposed audit activities and standards 	 A. Review and discuss the proposed Audit Plan with the Audit Committee B. Obtain Audit Committee recommendation and Board approval of Audit Plan



Types of Projects to Cover Risk Areas

An important part of the Audit Plan is that the identified processes, systems, and initiatives should receive differing types and levels of review based on their importance, perceived risk, and most efficient approach. Our suggested levels of review activities are as follows:

	Audit
	Audit Focus: Assess evidence available in order to provide assurance on an audit objective
	Deliverable: Audit report for public distribution unless protected by statute
	Estimated level of effort per project: 400 - 500 hours
A	reed-Upon Procedures
	 Agreed-Upon Procedures Focus: Determine specific steps to test with management's agreement and report on results; used for data analytics and quarterly testing of specific data and transactions
	• Deliverable: Agreed-upon procedures report for public distribution (use is limited to those with understanding of procedures performed)
	Estimated level of effort per project: 100 - 300 hours
	Formal Consulting
	Consulting Focus: Respond to requests for formal study or assessment with recommendations; no assurance provided
	 Deliverable: Consulting report or memo for limited distribution; significant material weaknesses identified would be reported to executive management and the Audit Committee as required by professional auditing standards
	Estimated level of effort per project: 100 - 200 hours
Info	mal Consulting (Advisory)
	• Advisory Focus: Participate in activities in a non-voting capacity, e.g., provide training and input on policies and procedures
	Deliverable: Verbal discussion or a brief memo to management
	Estimated level of effort per year: 10 – 100 hours
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Audit Plan: Executive

Title	Туре	Preliminary Scope
Communications Audit	Audit	Assess effectiveness of external communications processes, including overall strategies/plans, policies, procedures, training/awareness program, and execution of communications plans to TRS stakeholders by TRS trustees, executives, employees, and vendors
Building the Fleet Readiness Audit	Audit	Assess TRS's preparedness to build the fleet. Talent areas to evaluate may include processes and controls related to human resource strategy, governance and operational processes (recruiting, hiring, onboarding, performance management and incentives, employee separation, and termination). Other areas to evaluate may include diversity and inclusiveness programs, organization culture, work-from- home program, and the linkage of division and department performance measures to headcount plans
Executive Incentive Pay Testing	Agreed-Upon Procedures	Independently recalculate executive incentive pay in order to test the accuracy of the calculation by management
Travel Consulting	Consulting	Benchmark board travel policy with other retirement systems; review implementation of Concur travel system processes and procedures for consistency with TRS travel requirements
Special Requests and Emerging Issues	Advisory or Consulting	Set aside time to address special requests and emerging issues during the year as requested by management
Meetings Participation	Advisory	Participate (non-voting) in various TRS-wide meetings such as Executive Council, Leadership Team, and Strategy and Risk Oversight Committee





Audit Plan: TEAM

Title	Туре	Preliminary Scope
TEAM Phase II Annuity Payroll Testing	Advisory	Assist management with testing of TEAM phase II annuity payroll conversion testing prior to go live
HILOB Pre-Cutover Reconciliation	Advisory	Assist with development of criteria to be used in the pre-cutover reconciliation for Health Insurance Line of Business application (HILOB)
TEAM Independent Program Assessment (IPA) Vendor Support	Advisory	Coordinate and facilitate activities of the IPA vendor and ensure direct access to executive management and the board
TEAM Committees, Projects, and Controls Assessment Participation	Advisory	 Participate in TEAM Executive Steering Committee (ESC) and other committees and requirements-gathering sessions in a non-voting capacity, and provide advisory services related to TEAM project activities as outlined in the TEAM charter of internal audit activities. Provide input into controls identification projects. In FY 17, Internal Audit participated in the following TEAM committees and projects: Executive Program Oversight Committee (including TEAM budget) Organizational Change Management Advisory Groups Business Procedures and Training Project Monthly meetings with TEAM program manager and DXC executives





Audit Plan: Pension Benefits and Employer Audits

The tables on this page and the following pages provide the name of each project, type of project, and preliminary scope of work to be performed. Scope of work will be finalized as part of each project's formal planning phase.

Title	Туре	Preliminary Scope
Medical Board Audit	Audit	Assess the effectiveness of the process for approving disability retirements and benchmark our retirements with similar systems to determine reasonableness of payments
Annual Benefits Testing	Agreed-Upon Procedures	Recalculate a sample of benefit payments annually and determine whether documentation on file supports the calculation; scope in other tests related to benefits as agreed-upon with management
Employer Testing	Agreed-Upon Procedures	Test reports submitted to TRS based on procedures agreed to with management, especially in the areas of eligibility, compensation, contributions, and surcharges (pension and healthcare)
Employer Data Analysis Testing	Agreed-Upon Procedures	Gather and use full payroll data to risk assess reporting entities for audit, to identify noncompliance with TRS Laws and Rules, and identify errors in edit checks and missing data
TRS Reporting Entity Website Audit Information Update and Communication Activities	Advisory	Update audit-related information and tools on the TRS employer (reporting entity) website. Information may include self-audits, audit programs, audit results, technical guidance, and frequently asked questions about reporting entity audits





Audit Plan: Health Care

Title	Туре	Preliminary Scope
Business Process Improvement Project	Consulting or Advisory	In conjunction with Enterprise Risk Management (ERM) staff, consult with Health Insurance Benefits (HIB) and Benefit Service (in areas overlapping HIB) on ways to improve efficiencies of operations and reduce rework
Pharmacy Rebate Audit Support	Advisory	Participate in external audit verifying accuracy of pharmacy rebates received by TRS-Care and TRS-ActiveCare
Health Care Vendor Update Meetings Attendance	Advisory	Attend quarterly meetings with health care vendors to understand results, issues, and TRS management's monitoring controls
Health Care Vendor Selection Observation	Advisory	Observe selection process of large vendor and service providers, when applicable





Audit Plan: Investment Management

Title	Туре	Preliminary Scope
Derivatives Accounting Audit	Audit	Assess the accuracy of derivatives accounting and adequacy of processes supporting those activities
Valuations Audit	Audit	Assess the accuracy of investment valuations and adequacy of processes supporting those activities
Quarterly TRS Compliance and Ethics Policies Compliance Testing	Agreed-Upon Procedures	Test compliance with TRS policies including the Investment Policy Statement, ethics policies, and other policies as agreed upon with the TRS Compliance Officer
Annual Testing of Investment Incentive Pay Plan	Agreed-Upon Procedures	Prior to payment, recalculate the investment incentive compensation award amounts to determine if they are calculated in accordance with plan provisions; reconcile performance to the service provider.
Investment Committees Attendance	Advisory	Stay current on Investment Management Division initiatives by attending the Internal Investment Committee, Derivatives Operations, monthly staff, and other meetings such as the Annual Town Hall meeting and meeting with risk, compliance, and operations staff





Audit Plan: Technology

Title	Туре	Preliminary Scope
CAPPS IT Controls Audit	Audit	Evaluate general IT controls relating to IT change management and IT security practices administered by the Comptrollers for the CAPPS financial application
Cloud Computing Consulting	Consulting	Assess whether TRS has an effective process for evaluating cloud vendors in terms of operational efficiency, IT security, and data protection
Active Directory Audit	Audit	Determine whether Active Directory is configured to ensure effective and efficient access control to TRS systems
IT Governance Consulting	Consulting	Assess the effectiveness of processes for identifying, evaluating, approving, funding, monitoring, and closing out major IT projects
IT Risk Assessment	Advisory	Obtain an understanding of various IT processes that have not been audited in a while for purposes of determining their risk level
Disaster Recovery, Network Penetration Tests; Security Risk Assessment Review	Advisory	Observe, obtain, read, and follow-up on any issues identified during the network disaster recovery, penetration tests, and the security risk assessment conducted by the TRS Information Security Officer





Audit Plan: Finance and Staff Services

Title	Туре	Preliminary Scope
Comprehensive Annual Financial Report (CAFR) testing of annuity payments	Audit	Conduct pension benefits testing on behalf of the State Auditor's Office (SAO) to be used in completion of the CAFR audit
CAFR Audit Coordination (SAO, auditors)	Advisory	Coordinate activities of the SAO to ensure deadlines are met; coordinate quarterly update meetings with executive management and the SAO; maintain SAO document request SharePoint site; walkthrough CAFR development process and identify opportunities for efficiencies
Teacher Retirement Investment Company of Texas (TRICOT) Financial Audit Coordination (Grant Thornton, auditors)	Advisory	Coordinate a financial audit of TRICOT, a wholly-owned subsidiary of TRS in London





Audit Plan: Internal Audit Activities

Title	Project Description
External Quality Assurance Review	Obtain an independent assessment of Internal Audit's compliance with auditing standards and make recommendations for improvement.
Annual Internal Audit Report	Prepare annual report of audit activities in accordance with SAO instructions
Quarterly Audit Recommendations Follow-Up	Follow-up and report on the status of outstanding audit recommendations
Data Analysis Process Buildout	Continue to build out data analysis skills of audit staff; incorporate into audit projects and annual audit plan development; and pilot analysis projects in various business units
Staff training initiative	Develop and launch auditor training in key areas including report writing, workpaper documentation, and audit risk assessment
Fiscal Year 2020 Audit Plan	Prepare annual audit plan based on a documented risk assessment in accordance with professional auditing standards and the Texas Internal Auditing Act
Audit Committee Meetings Preparation	Prepare communications and attend Audit Committee and Board Meetings





Audit Plan: High Risk Areas

High Risk Areas are defined as (High, Elevated, or Caution). Areas of interest to the SAO (Procurement and IT Security) excluded from the Audit Plan.

Area	Reason for Exclusion
Records & Information Management	TRS is in process of revising its records management system and procedures
Procurement & Contracting	TRS in in process of implementing recommendations made in the prior year's procurement audit





Fiscal Year 2018 Audit Plan

Appendix A

Internal Audit Operating Budget



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September 2018 Board Audit, Compliance and Ethics Committee Meeting



Appendix A Internal Audit Operating Budget

Line Item	Budget FY 2019	Budget FY 2018
000 – Salaries	\$1,188,488	\$1,094,123
000 – Benefits	297,029	280,233
200 – Professional Fees for Internal Audit Services	450,000	450,000
200 – Professional Fees for External Audit Services (CAFR, GASB Schedules, TRICOT)	382,500	442,500
505 – Travel-In-State	12,500	14,600
510 – Travel-Out-of-State	28,100	26,000
600 - Offsite Retreat	0	500
705 – Dues, Fees, and Staff Development	28,000	27,500
710 – Subscriptions and Reference Materials	2,000	2,000
Total Operating Budget	\$2,391,117	\$2,337,456
Full Time Equivalent (FTE) Positions (excluding interns)	14.0	13.0

Resources are sufficient to complete the annual audit plan.

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Fiscal Year 2018 Audit Plan

Appendix B

Internal Audit Performance Measures

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For the internal audit function, the FY 2019 goals and performance measures are as follows:

Goal 1: Facilitate Audit Committee Governance

Objective 1: Provide assurance and advice to the Audit Committee and executive management on risk mitigation activities related to the pension and healthcare trusts

Performance Measures

- a. 80% or more of audit and agreed-upon procedures projects are completed in the fiscal year (80% allows for flexibility due to changes in TRS business practices and special requests)
- b. 75% or more of total available department hours (excluding uncontrollable leave) are spent for internal audit staff on direct assurance, consulting, and advisory services
- c. 100% of internal audit processes are in accordance with internal auditing standards as reported in the annual quality assurance and improvement report
- d. 75% (3.0/4.0) or higher score received for audit project client surveys in overall satisfaction
- e. 80% (4.0/5.0) or higher score on staff 360 evaluations in identifying and addressing issues, critical thinking, and getting the job done





Goal 1: Facilitate Audit Committee Governance, continued

Objective 2: Improve Internal Audit communication

Performance Measures

- a. 75% (3.0/4.0) or higher score received for audit project client surveys regarding communication of the audit purpose, results, and reports
- b. 80% (4.0/5.0) or higher score on staff 360 evaluations in the area of verbal and written communication and collaborative audit perspective

Objective 3: Provide information on effective Audit Committee practices *Performance Measures*

a. 90% of relevant current "Tone at the Top" articles uploaded to Diligent





Goal 2: Support TRS Initiatives

Objective 1: Support the success of the TEAM Program and Financial Software Implementations <u>Performance Measures</u>

a. 75% (3.0/4.0) or higher score received for audit project client surveys in TEAM-related projects

Objective 2: Integrate TRS Core Values into Internal Audit activities <u>Performance Measures</u>

- a. 80% (4.0/5.0) or higher score on staff 360 evaluations in the area of organizational awareness
- b. 80% (4.0/5.0) or higher score for departmental organizational health on the annual Energage Survey





Goal 3: Enhance Internal Audit Staff Competence and Expertise

Objective 1: Cultivate in-house Subject Matter Experts (SME's) *Performance Measures*

- a. 75% (3.0/4.0) or higher score received for audit project client surveys regarding the usefulness of audit recommendations in improving business processes and controls
- b. 80% (4.0/5.0) or higher score on staff 360 evaluations in the area of audit acumen

Objective 2: Ensure continued competence and expertise of Internal Audit

Performance Measures

- a. 90% of audit staff complete annual training plans and obtain a minimum of 40 hours of continuing education credits
- b. 90% of audit staff maintain professional certifications or actively pursue certifications and related eligibility requirements
- c. 90% of audit staff participate in professional organizations
- d. 90% of audit staff acknowledge an understanding of their career path
- e. 80% or more of audit staff remain in internal audit or TRS (excluding retirements)



Fiscal Year 2018 Audit Plan

Appendix C

Audit Plan Mapped to TRS Risk Assessment

September 2018 Board Audit, Compliance and Ethics Committee Meeting



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#	TRS Risk Level	TRS Risk Category	TRS Goal	TRS-Assessed Overall Risk	Planned Approach	Project Type
1	High	TRS-Care Funding	Facilitate long-term soundness of TRS-Care in order to provide sustainable retiree health care benefits.	Inadequate funding and/or unanticipated external forces would affect solvency of the program over the current biennium and future years, requiring significant premium increases or benefit reductions.	Employer audits and data analytics of TRS-Care surcharges; Pharmacy rebate audit participation	Audits, AUP, Advisory
2	Elevated	Records & Information Management	Manage the organization, retention and disposition of TRS information and records with adherence to laws, rules, policies and best practices.	An ineffective records and information management program results in wasted resources; and does not protect, preserve, retain, dispose, or make records accessible in an accountable or transparent manner.	None. TRS is completing implementation of major records management conversion to sharepoint	n/a
3	Elevated	Employer Reporting	Accurately capture and utilize employer reported data to project and calculate future benefits of TRS members and to properly allocate the total pension liability across districts.	Incorrect reporting could lead to calculated benefits being inaccurate; Improperly allocating actuarial liability across districts.	Employer audits and data analytics of TRS-Care surcharges	Audits and AUP
4	Caution	TRS-ActiveCare Affordability	Facilitate financial soundness of TRS-ActiveCare in order to provide affordable health care benefits.	Inadequate funding by the state and participating entities and/or unanticipated external forces could affect affordability.	Pharmacy rebate audit participation	Advisory
5	Caution	TEAM Program	Implement cost effective, efficient, and sustainable processes and systems that enable TRS to serve its members, employers, and annuitants.	System design, implementation and functionality of the new processes and systems do not meet the growing demands of TRS in service of its members. Program/ project implementation schedule and cost exceeds original estimates.	IPA vendor coordination, TEAM phase II annuity payment testing; EPOC and other committee participation	Advisory
6	Caution	Pension Funding	Sustain a financially sound pension trust fund.	A lack of sound funding for the plan could lead to insufficient assets to pay for long-term benefits and financial obligations.	Employer audits and data analytics of employer contributions	Audits and AUP
7	Caution	Legacy Information Systems	Provide information systems to meet TRS' business and customer service needs.	Inability to provide adequate and consistent information in a timely fashion via the preferred delivery mechanism.	IT governance consulting, cloud computing audit, IT risk assessment	Audit, Consulting, AUP
8	Caution	Information Security & Confidentiality	Maintain the integrity, availability, and protection in the storage, use, and transfer of TRS information resources (in any form or medium).	Unauthorized or unintentional release/access of TRS confidential information could result in state or federal law violations, sanctions against TRS or its employees, and harm the best interests of TRS.	Active Directory audit, CAPPS IT controls audits, Cloud computing consulting	Audits and Consulting



#	TRS Risk Level	TRS Risk Category	TRS Goal	TRS-Assessed Overall Risk	Planned Approach	Project Type
9	Caution	Cyber Security	To prevent malicious attacks and unauthorized access of TRS information resources.	Ineffective cyber threat controls could lead to breaches or sabotage of TRS systems.	Cloud computing consulting; DIR penetration tests	Consulting, Pen test
10	Caution	Health Care Plans Administration	Administer retiree and active member health care programs that are valued by enrollees.	Inadequate administration of the health care programs could possibly affect the quality of health care services provided to those who depend on the delivery of TRS health care benefits which would in turn increase health care costs.	Business process improvement/rework consulting	Consulting
11	Caution	Pension Benefit Services	Deliver accurate benefits and superior service to TRS participants and stakeholders.	Inadequate delivery of benefits or customer service could lead to inaccurate information or benefits/payments, dissatisfied participants, loss of credibility, adverse public perception, increased scrutiny, and oversight.	Benefit testing for SAO CAFR audit, benefit testing, work from home audit; Medical Review Board audit	Audits
12	Caution	Procurement & Contracts	Maintain effective procurement and contract management systems. Inappropriate procurement practices could result in purchases of sub-standard products and services, unfavorable pricing or contract terms, and violation of laws. Ineffective contract management could result in contractors not fulfilling their contractual obligations.	Inappropriate procurement practices could result in purchases of sub-standard products and services, unfavorable pricing or contract terms, and violation of laws. Ineffective contract management could result in contractors not fulfilling their contractual obligations.	Follow up on outstanding procurement audit recommendations	Follow Up
13	Caution	Talent Continuity	Attract, retain and develop a highly competent staff.	The delivery of member services and pension fund management could be negatively impacted by turnover, the inability to retain qualified staff, lack of a sufficient knowledge transfer program, and an inconsistent performance management process.	Culture audit: are we prepared to build the fleet?	Audit
14	Guarded	Regulatory, Compliance, & Litigation	Adhere to and analyze current laws, rules, and policies (e.g., maintain tax qualification status); Render competent advice on legal risk management and awareness, manage litigation risks, and negotiate contracts to address risks.	Non-compliance with laws and rules could lead to penalties, fines, liability and litigation; impaired ability to conduct business; burdensome oversight; third-party investigations/audits; adverse legislation; increased scrutiny; or loss of tax qualification status.	Compliance testing	AUP
15	Guarded	Open Government	Ensure compliance with laws and rules related to open records and meetings.	Non-compliance could lead to penalties and fines or voiding of board actions.	None	n/a
16	Guarded	Global Initiatives	Ensure employee safety by complying with laws and regulations and providing awareness of challenges when traveling abroad.	Not being aware of safety, compliance, and other challenges when traveling abroad could jeopardize the safety of our employees.	None	n/a



RS



#	TRS Risk Level	TRS Risk Category	TRS Goal	TRS-Assessed Overall Risk	Planned Approach	Project Type
17	Guarded	Facilities Management & Planning	Provide a physical work environment that is safe and enhances productivity.	Inadequate facilities management or ineffective space utilization could result in less than desirable conditions for TRS members, visitors, and staff and could jeopardize our ability to continue providing an exemplary level of service to our members.	Business process improvement/rework consulting	Consulting
18	Guarded	Ethics & Fraud Prevention	Maintain a culture that upholds ethical behavior and values that contribute and promote the fiduciary duties of prudence and loyalty, and reduces fraud risks.	A lack of ethics could undermine the duties of prudence and loyalty and create fraud risks resulting in loss of assets, credibility, and business opportunities, adverse publicity, violations of law, and increased scrutiny and oversight.	TRS compliance testing, hotline triage team participation	AUP, advisory
19	Guarded	Credit	Maintain effective management of counterparty and securities lending risks.	Unmanaged counterparty and securities lending exposures could result in losses to the investment portfolio.	Securities lending meeting attendance	Advisory
20	Guarded	Communications & External Relations	Maintain effective communication and positive relations with members, retirees, employers, TRS employees, news media, and the public.	Poor communication could lead to confusion resulting in increased calls to TRS, poor or inappropriate decision-making regarding TRS benefits, and incorrect information provided to external parties.	Communications audit	Audit
21	Guarded	Business Continuity	Recover and resume operations in the event of a major business interruption.	Members do not receive statutorily required services timely.	Observation of offsite BCP tests	Advisory
22	Guarded	Budget	Ensure TRS has appropriate budget to provide and sustain resources necessary to successfully carry out TRS' mission, goals, and objectives to serve our members.	Lack of a sufficient operating budget could jeopardize our ability to effectively serve our members.	Culture audit: Are we prepared to build the fleet?	Audit
23	Guarded	Accounting & Reporting	Maintain and monitor the integrity, accuracy, and completeness of financial information and timeliness of reporting.	Materially inaccurate financial information and reports would result in Board of Trustees and Texas Legislature decisions being made on flawed data and adverse or qualified audit opinions.	CAFR audit	Audit





#	TRS Risk Level	TRS Risk Category	TRS Goal	TRS-Assessed Overall Risk	Planned Approach	Project Type
24	Guarded	403(b)	Maintain a list of certified companies and a list of registered products and investment options which meet requirements of law and TRS rule. Adopt fee caps to help ensure fees paid by members are competitive.	Public education employees purchase products and investment options from companies that are not on either list.	None	n/a
25	Guarded	Investment Operations	 Maintain the integrity of transaction, position, and investment reporting information in a risk-controlled environment for optimal investment management decisions. To support the successful operation of the Investment Management Division. 	 Inefficient or ineffective transaction or position management processes which could result in losses to the fund. Investment reports contain material inaccuracies. Inefficient and ineffective support of IMD operations. 	Valuation and derivatives accounting audit	Audit
26	Low	Investment Accounting	Ensure all TRS Investments are properly and completely accounted for; Ensure investments are valued correctly; Ensure investment fees are accurately reported and disclosed; Ensure cash flows into and out of the Fund are complete and properly controlled; Accurately calculate performance incentive pay (PIP)	TRS investments are not properly accounted for, valued correctly or properly reported, and investment-related cash is not properly controlled.	Valuation and derivatives accounting audit, real estate management fees and carried interest audit	Audit
27	Low	Market	Maintain market risk exposures consistent with investment objectives.	Too little or too much exposure to market risk could each lead to undesirable investment outcomes.	TRS compliance testing	Advisory
28	Low	Liquidity/Leverage	Maintain levels of liquidity appropriate for the support of fund disbursements, anticipated investment funding needs and trust level leverage.	Inadequate liquidity could lead to cash shortfalls.	TRS compliance testing	Advisory
29	Low	Government Relations	Maintain effective communications and positive relations with the Legislature, associations, and other public parties.	Poor communications could lead to adverse relations, unfavorable legislation, and restricted funding.	Quarterly SAO update meetings	Advisory
31	Other	Governance and Administration	n/a		Culture audit: are we prepared to build the fleet?; IT Governance consulting	Audit and consulting

