KAIZEN
SOLUTIONS GROUP

Capability and Experience Briefing

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TOPICS

KAIZEN SOLUTIONS GROUP

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#3 *Enterprise Risk Management*

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ABOUT US

Kaizen Solutions Group

Kaizen Solutions Group (KSG) was founded in 2016 as a minority-owned small disadvantaged business that delivers comprehensive IT security and operational services combined with cutting-edge technology solutions to its customers across the U.S. Federal and State government industry. KSG was built on the foundation of combining deep industry knowledge, best practices, best of breed technology solutions with unmatched responsiveness to produce results for our customers.

Our goal is to build a business dedicated to maximizing value for all stakeholders starting with our employees, our clients, and our community. Our value proposition to our government clients includes our ability to automate processes, eliminate redundancies, minimize risk while enhancing their organizational effectiveness and maturity. We recognize that talented and dedicated employees are our most valued assets and the foundation of our success.

At KSG, we are driven by our guiding philosophy of 'Continuous Improvement' in everything we do as an organization, as a technology service provider, as a government advisory services firm, and above all, as an employer. We believe in forging relationships with our clients, industry partners, and employees that are galvanized in trust, mutual respect, and accountability.

Kaizen Solutions Group is an SBA certified **8(a) Minority-owned Small Disadvantaged Business**. KSG is also is listed within the **GSA MAS 8(a) Pool** of companies. KSG holds all 5 categories of **GSA HACS SIN** (HVA, RVA, Penetration Testing, IR, and Cyber hunt).

ABOUT US

Kaizen Solutions Group (cont.)

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KSG Team – Key Personnel

Shariff Mohsin - President and CEO
Tahmeed Rab - COO

Samir Patel - Director, CMMC Practice Lead
Iqbal Yousuf - Zero Trust Program Manager
Karen Nwulia - Sr. Project Manager, Agile / DevOps
Priyanka Manan - Project Analyst and Technical Writer
Usman Tahir - Sr. Cyber Engineer, Threat and Vulnerability Mgmt.
Mourad Kohail - Cyber Threat Intelligence SME
Tom Kreiner - SIEM SME
John Palmer - SOC Team Lead
Joseph Tengen - SOC Analyst
Umar Naseem - Cyber Security Analyst
Moses Ajibade - Sr. Information Assurance SME
Gloria Cline-Thomas - Sr. Information Assurance SME

CERTIFIED ISO 9001:2015 COMPANY
CERTIFIED ISO 27001:2013 COMPANY
CERTIFIED ISO 20000-1:2018 COMPANY
SBA U.S. Small Business Administration 8(a) CERTIFIED
GSA Highly Adaptive Cybersecurity Services SIN: 54151HACS
CISA
PROJECT MANAGEMENT PROFESSIONAL PMP® CERTIFICATION
CISSP® Certified Information Systems Security Professional

Executive Order 14028 – Implementation Support for Zero Trust Architecture (ZTA)

Clients Supported: National Endowment for the Arts (NEA); PG County, Maryland; City of Berkeley, California

- **Comply with Zero Trust Strategy (OMB M-22-09)**
  - Align Zero Trust approach to IT investment for the agency
  - Develop Zero Trust Architecture (ZTA) roadmap describing how it achieves visibility, isolation strategy, limiting lateral movement
  - Follow ZTA strategic roadmap to allocate funds and guide implementation to mitigate operational and security gaps
  - Additionally, incorporate cloud-based infrastructure into ZTA strategic roadmap
- **Comply with Administration Cybersecurity Priorities for the FY 2025 budget (OMB M-23-18)**
  - Describes how the agency achieves progress in Zero Trust deployments as outlined in OMB M-22-09
  - How the agency investment supports people, process, and technology to advance capabilities along the Zero Trust Maturity Model (ZTMM)
  - How the agency prioritizes technology modernization of FISMA High and High Value Asset (HVA) systems that cannot meet Zero Trust requirements

Approach to Implement Zero Trust Architecture (ZTA)

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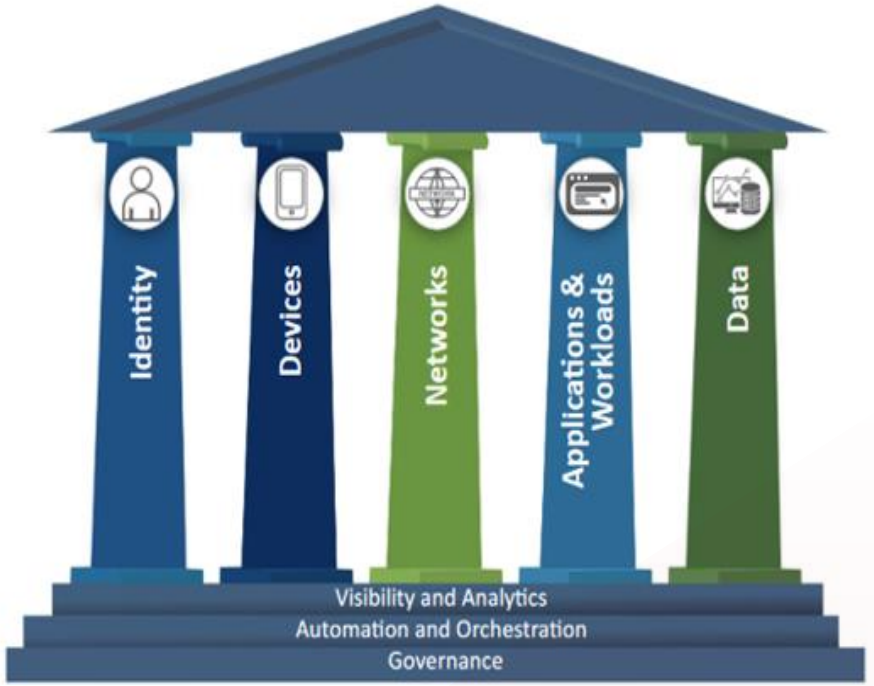
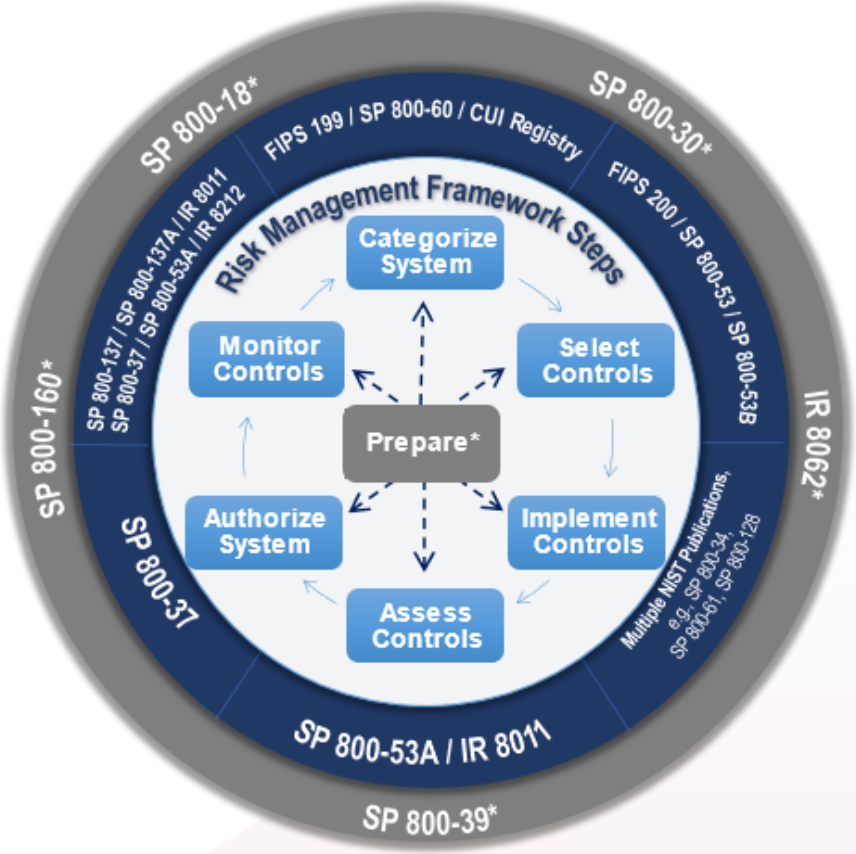
- Commence ZTA implementation by thoroughly assessing current infrastructure, identifying gaps, and planning improvements
- Identify the current maturity level using Zero Trust Maturity Model
- Develop the Zero Trust strategic roadmap by addressing the five pillars of ZTA and three cross-cutting capabilities
- Zero Trust strategic roadmap will enable senior leadership with insights needed to make informed decisions regarding budget and procurement
- Following approval, meticulous planning and support for RFPs, vendor evaluation, selections and deployment tailored to agency requirements
- Leverage existing IT investments such as ServiceNow ITSM, SailPoint PAM, Microsoft Purview, Zscaler, CrowdStrike, Okta MFA, SIEM, etc.
- Deploy, if missing, enterprise IAM, CMDB, EDR, SIEM, DLP, data security platforms, micro-segmentation, etc.



Enterprise Risk Management

Clients Supported: PBGC, FDIC, AO of U.S. Courts, MD DoIT

- Conduct Near Real-Time Risk Management
  - Vulnerability Scans
  - Patch Management
  - POA&M Management and Trend Analysis
- Continuous Monitoring and Authorization
  - Developed the Information Security Continuous Monitoring Plan
  - Continuous ATO/ATU of On-prem and FedRAMP systems



Enterprise Risk Management (cont.)

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- Develop Key and Meaningful Risk Metrics (i.e., KRI/KPI)
- Enhance Enterprise-wide Risk Communication
  - Automated Dashboard Implementation and Management
  - Tableau and Microsoft Power BI
- Cybersecurity Supply Chain Risk Management (C-SCRM)
  - Gap Analysis
  - Improve Vendor Selection and Management Process
    - Supplier Financial Stability
    - Counterfeit and Gray Market
    - Open-Source Solutions
    - Cybersecurity Intrusions

Supply Chain Risk Management (SCRM) Program

Continuous Diagnostic Mitigation (CDM) Support

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Clients Supported: MD DoIT, NEA, PBGC, FDIC

Areas of Focus

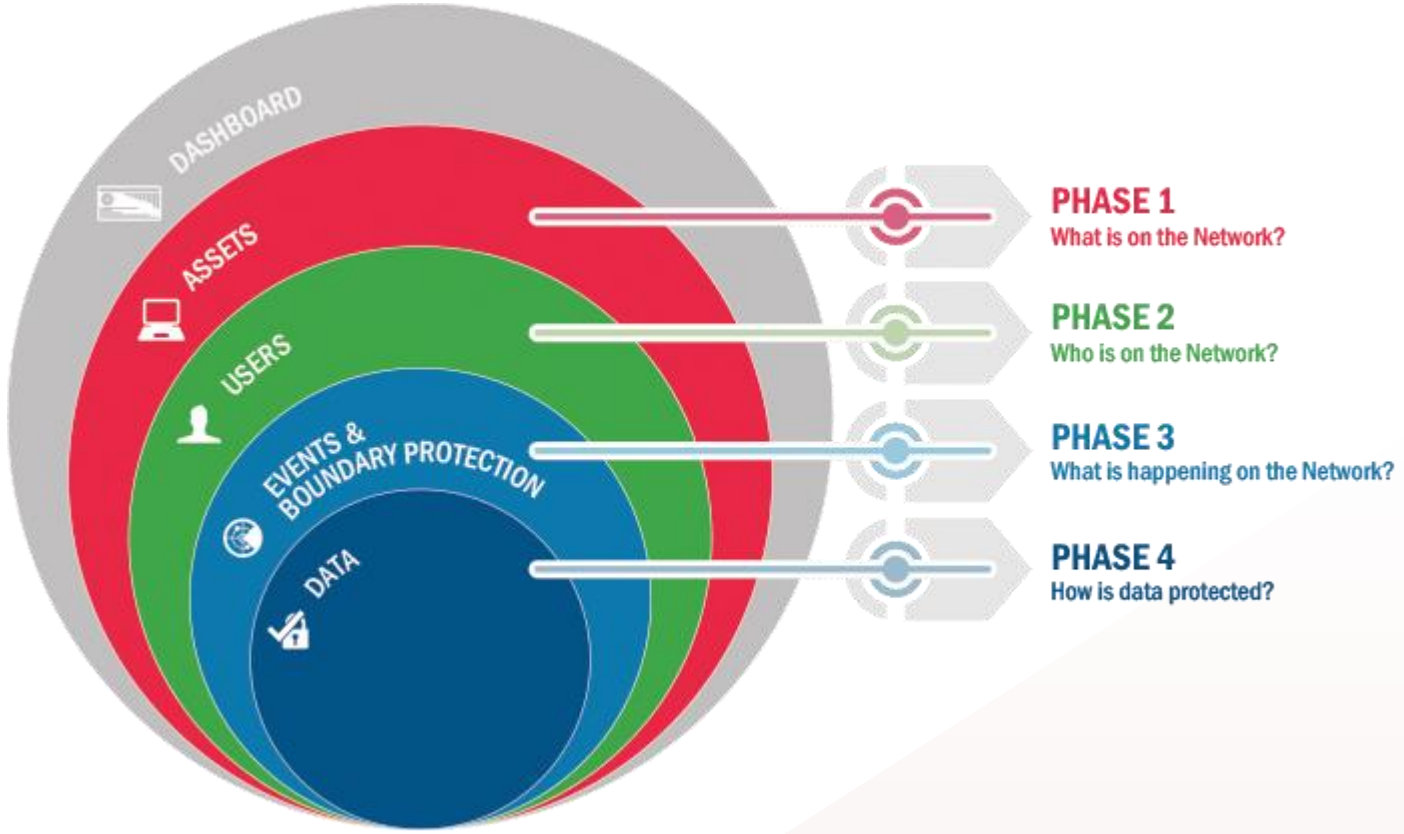
- Data Protection Management
- Network Security Management
- Identity and Access Management
- Asset Management
- Dashboards

KSG Experience

- State of Maryland DoIT
  - 30+ Agencies, ~25K End Users
  - Digital Transformation & SecOps

Benefits for Federal Agencies

- Leveraging Shared services and shared intel
- Benefits from across government visibility
- Cost and time savings for incident response



Continuous Diagnostic Mitigation (CDM) Support

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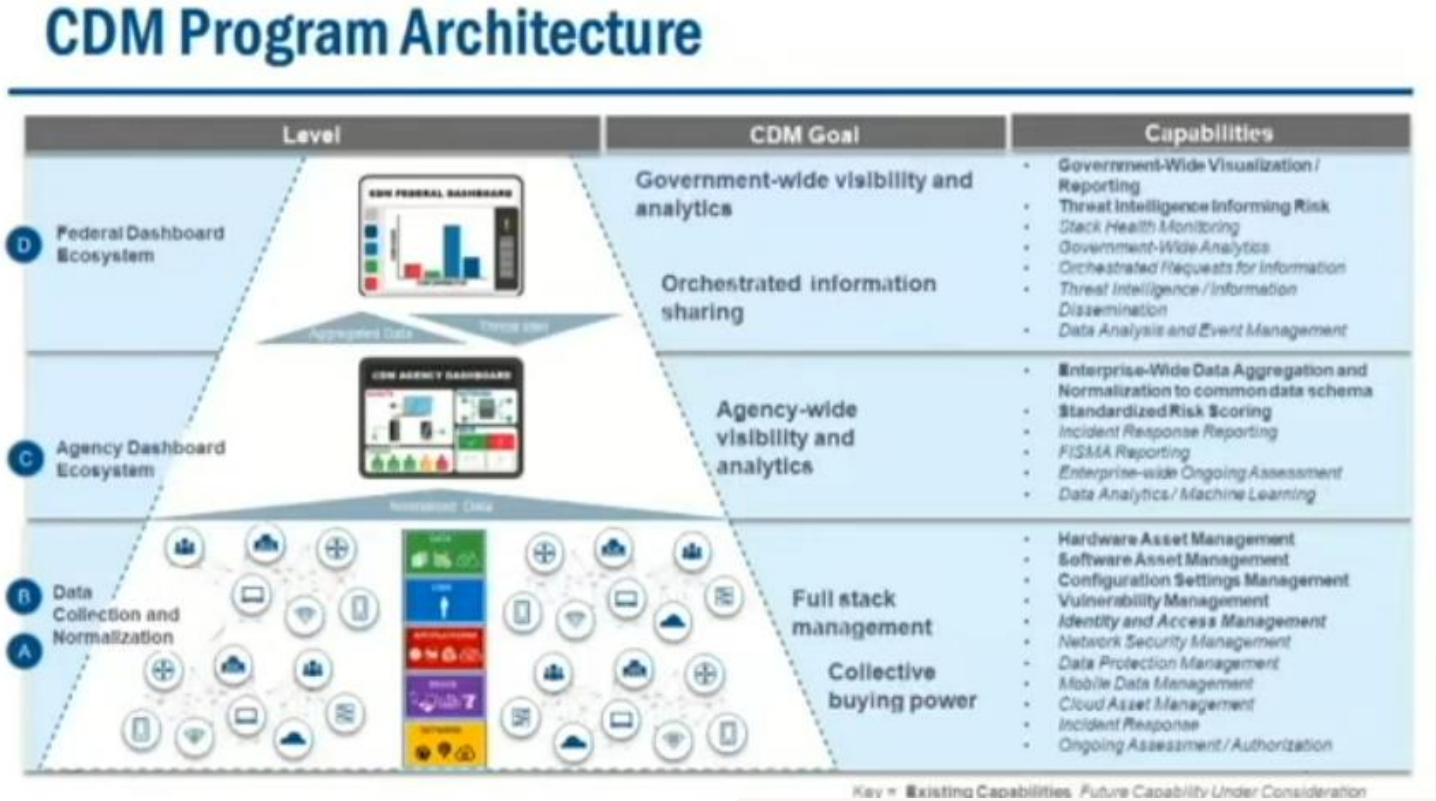
Clients Supported: NEA, MD DoIT

- Network Vulnerability Scanners
- ServiceNow Asset Management
- Network Monitoring
- Config Management DB (CMDB)
- Threat intelligence Feeds
- DNS
- IOCs - Recorded Future
- CyberArk PAM



Baseline Configuration Support

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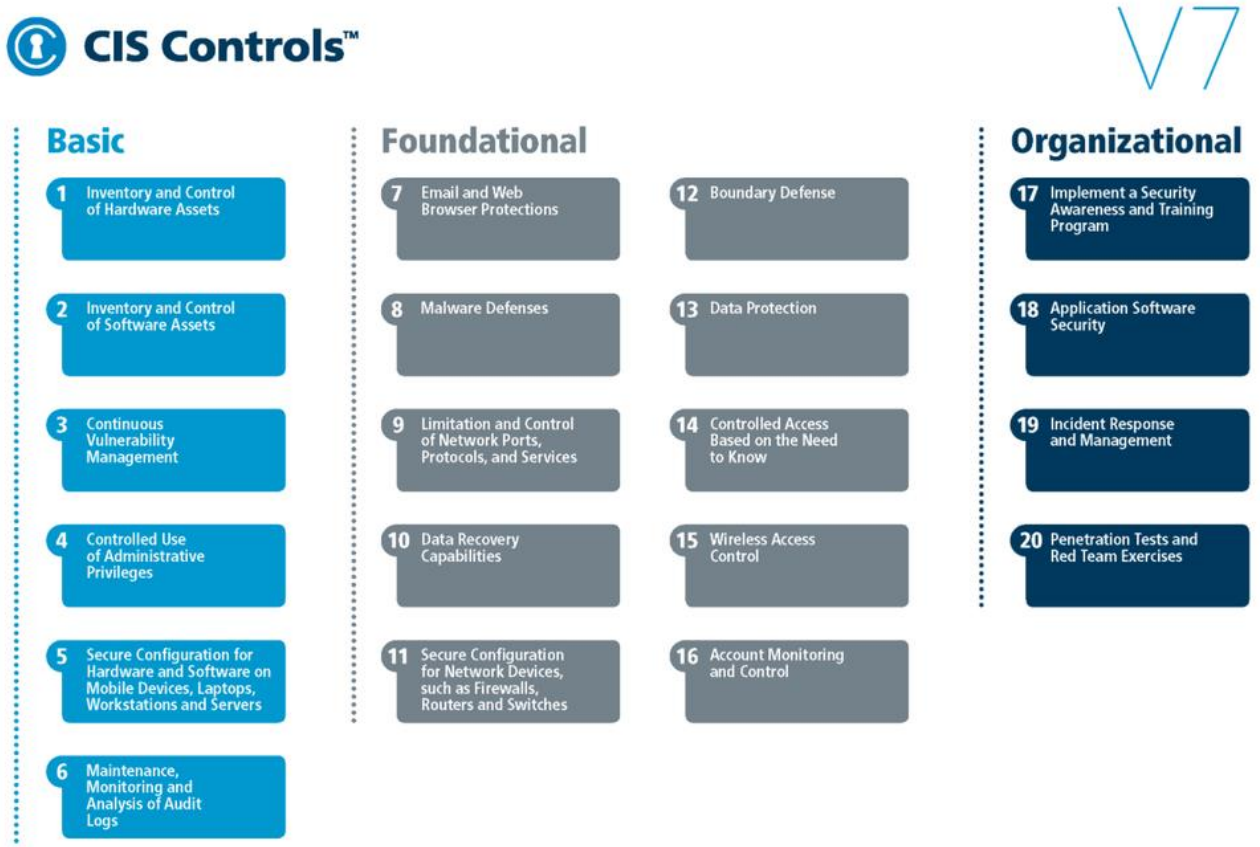
Clients Supported: MD DoIT, Cowan Systems

CIS Benchmarks applied to the following

- Operating systems
- Cloud infrastructure
- Server software
- Desktop software
- Network devices
- Mobile devices

DISA Security Technical Implementation Guide (STIG)

- System and application Security
- Network infrastructure (MPLS / SD-WAN)
- Security controls
- Incident response
- Database management systems



Baseline Configuration Support (cont.)

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Our Approach:

- Identify assets, potential risks and existing configurations
- Develop tailored testing and implementation plan
- Document detailing the ‘As-is’ and ‘To-be’ state
- Execute planned changes
- Conduct validation and testing to ensure security requirements without affecting system functionality
- Implement configuration management tools to automate and streamline the implementation and monitoring processes
- Monitor for continuous improvement, including regular reviews and updates to security configurations to address emerging threats and changes to the IT landscape and enterprise security mandates

Cybersecurity Strategy & Policy Program Support

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Clients Supported: PBGC, FDIC, AO of U.S. Courts, MD DoIT

- Develop Cybersecurity Program Documentation
  - 5-year Cybersecurity Strategy & Roadmap Development/Deployment (PBGC)
  - Agency-specific Policy, Process, and Work Instructions (PBGC, FDIC, MD DoIT)
  - Enterprise Risk Management Charter and Risk Scoring & Analysis Process (PBGC)
  - Zero Trust Strategy and Roadmap Implementation (NEA)
- Develop Document Management Workflow System and Processes
  - Build MS SharePoint Site for Security Document Management & Approval (PBGC, MD DoIT)

Cybersecurity Strategy & Policy Program Support (cont.)

Workforce Skills & Training Program Enhancement (PBGC)

- Define and Develop Skill-based Security Roles (NIST NICE Framework)
- Develop and Deliver Role-based Training Material
- Develop Near Real-time System and Process to Track Security Awareness and Training
- Establish Certification Training and Performance Metrics

IT Compliance & Assurance Support

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Clients Supported: FDIC, PBGC, MD DoIT

- FISMA Compliance
  - Developed and Matured the Agency Common Control Program
  - Assessed 300 Common controls, 32 Core Controls, 40 Hybrid Controls, and all system-level controls for 17 FISMA-reportable systems and associated subsystems (PBGC)
  - FISMA Compliance Assessments for 60+ Systems and Associated Subsystems (FDIC)
  - Managed the POA&M Process and Trend Analysis of Agency-wide Findings
- IRS Safeguard Compliance
  - Assessed 16 IRS Safeguards (i.e., Compliance with IRC 6103(p)(4) safeguard requirements)

Cybersecurity Program Maturity Assessment

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Clients Supported: PBGC, FDIC

- FISMA Maturity
  - Designed, Implemented, and Assessed Controls Based on NIST CSF (PBGC)
  - Designed and Enhanced Cybersecurity and Risk Management Processes to Mature the Agency-wide Cybersecurity and IT Operations Programs (PBGC, FDIC)
  - Improvements Resulted in Overall ‘Managed & Measurable’ Rating For the Agency (PBGC)

Questions for the Agency

- What are the current challenges for the Agency in the Enterprise Security Program?
- What are some of the priorities or initiatives at the Agency?
- Where is the Agency in the Zero Trust Journey?
- Are there any OIG findings?
  - Which ones are High Priority for the Agency to Remediate?
- How does the Agency plan to incorporate AI into the security program? OMB M-23-19

Kaizen's FAST Philosophy

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- Forward-Looking : Culture to fail-fast and fail-forward. Learn-Teach-Learn (LTL)
- Agents of Change : Agile and nimble in our approach, business enablers, and process focused to drive change in the organization
- Skilled Resources : Experienced professionals with substantive understanding of IT Security, Digital Modernization, and Mission Support
  - DoD CMMC Practitioners, DHS AES Program Training for HVA, RVA assets
  - CISSP, CISA, CRISC, CMMC RP, and PMP certified professionals
  - Alignment to the NIST NICE Framework
- Technology-Driven :
  - System Integrators and Enablers of Cutting-Edge and Open-Source Tools

Thank You!

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