

ARIZONA STATEWIDE

Election Security TTX 2023

presented by



WELCOME



MICHAEL MOORE

Chief Information Security Officer





TODAY'S AGENDA

12:00 pm
Welcome & Day Overview

12:05 pm Arizona's 2024 Safe & Secure Election Plan

12:20 pm Evolution of Threats

12:40 pm State & Federal Resources

1:25 pm
Physical Security & Relationship
with Law Enforcement

1:45 pm Break



TODAY'S AGENDA

2:00 pm
Instructions for TTX

2:15 pm Exercise 1

3:50 pm Break 4:00 pm Recap & Readouts





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2024 SAFE & SECURE ELECTION PLAN





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NOAH PRAETZ

LIZ HOWARD

Co-Founder

General Counsel







EVOLUTION OF THREATS



EVOLVING OPERATIONAL LANDSCAPE

Good Old Days

And then there was...



GENERAL THREAT ENVIRONMENT

Adversaries

Motivations

Targets



ARTIFICIAL INTELLIGENCE

Election Risks and AI: Not entirely new; officials have faced similar risks.

Foundation for Defense: Leverage existing knowledge to defend against AI-related risks.

Understanding AI: Crucial for election officials to navigate and mitigate potential threats.



GENERATIVE AI

Generative AI's evolving capabilities and accessibility heighten election risks.

From deepfakes to AI-generated images, the potential for deception demands vigilance and countermeasures.



GENERATIVE AI

Risks of Voice Cloning in Scams



WHAT IS A TTX?

Mirrors real world conditions



GENERATIVE AI

Large Language Models in Cyber Threats



GENERATIVE AI

Election-Specific Considerations in the Age of Generative AI



CAN AI HELP?

AI Integration in Election Operations





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STATE & FEDERAL RESOURCES



LT. COL LESLIE KING

Officer in Charge





MATTHEW CRYMBLE

Protective Security Advisor





JERRY D. KEELY

Cyber Security Advisor (CSA) Region 9





RYAN MURRAY

Deputy Director of State CISO





AARON JENNEN

Election Community Liaison





NATE JOHNSON

Special Agent





2023 Arizona Statewide Election Security TTX

December 15, 2023



Arizona Contacts

• FBI ECC: SA Karl "Nate" @fbi.gov • USAO DEO: AUSA Sean Lokey @usdoj.gov • USPIS ECC: NormanLongaza @uspis.gov USPS-OIG ECC: Dustin Warner @uspsoig.gov

Aaron L. Jennen
Trial Attorney-Election Community Liaison
United States Department of Justice
Criminal Division | Public Integrity Section
(o) | (c)
@usdoj.gov



MICHAEL ROBSON

Program Specialist





TRACI LONG

Program Manager







U.S. POSTAL INSPECTION SERVICE ARIZONA ELECTION SECURITY TTX 2023







PROGRAM MANAGER TRACI LONG

NATIONAL ELECTION CRIMES COORDINATOR
U.S. Postal Inspection Service



PROGRAM SPECIALIST MICHAEL ROBSON

NATIONAL ELECTION SECURITY & ELECTION CRIMES PROGRAM SPECIALIST U.S. Postal Inspection Service

@uspis.gov

TEAM LEADER INSPECTOR NORMAN LONGAZA

ELECTION CRIMES COORDINATOR – PHOENIX U.S. Postal Inspection Service



TEAM LEADER INSPECTOR ETHAN PASZKO

ELECTION CRIMES COORDINATOR – TUCSON U.S. Postal Inspection Service

@uspis.gov







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PHYSICAL SECURITY & RELATIONSHIP WITH LAW ENFORCEMENT

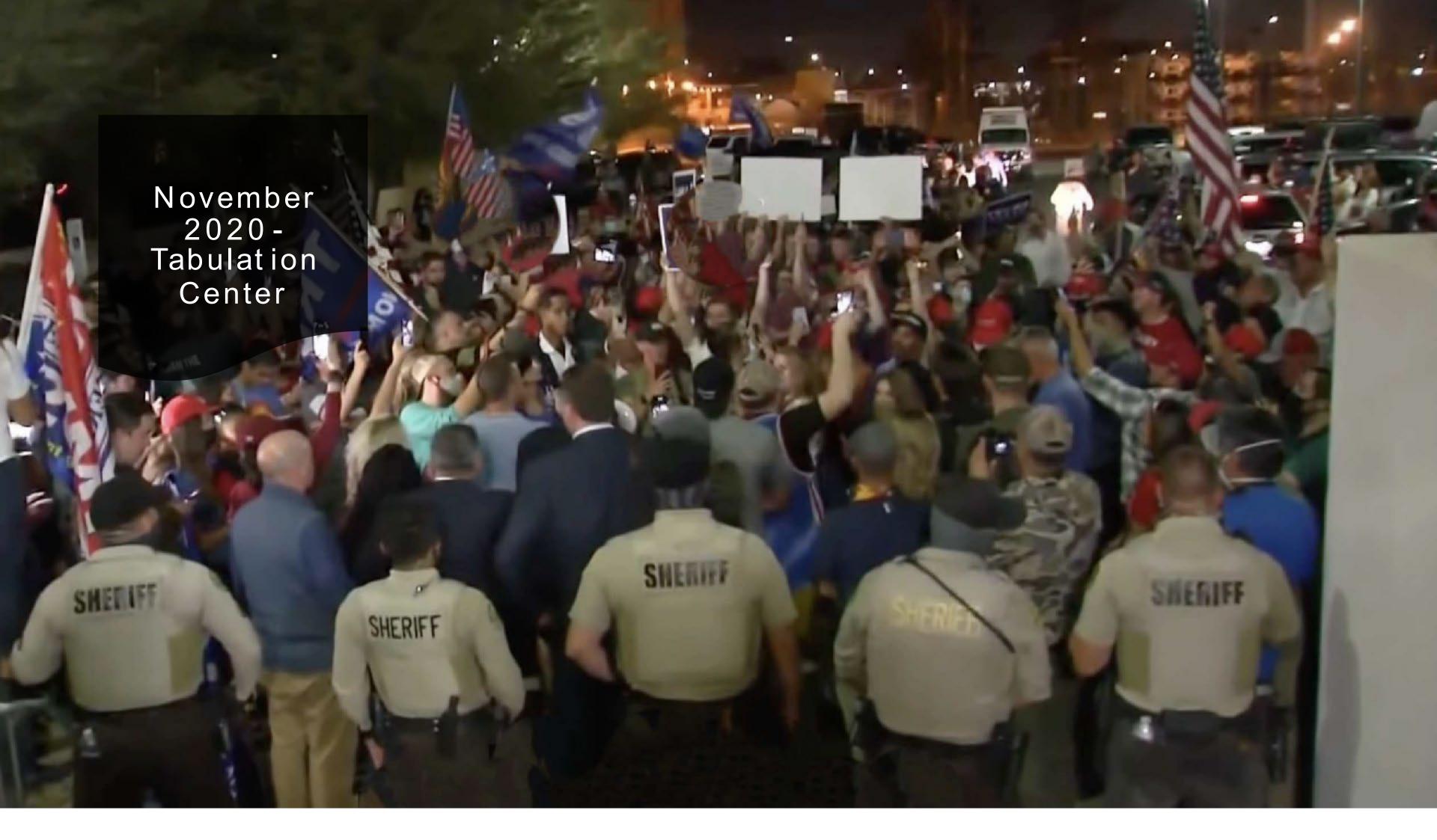


CHIEF ROSKA

Executive Chief of Enforcement







November 2022



Early Ballot Drop Box





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15 MINUTE BREAK





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MATT TLACHAC

MICHELE FORNEY

Senior Election Expert

Senior Election Expert





KEN MATTA

All Around Election Expert



WHAT IS A TTX?

- Mirrors real-world conditions
- Uses an accelerated timeline to increase pressure
- Gives participants the chance to play their real-life roles and corresponding responsibilities
- Forces participants to absorb information, make decisions, and execute plans



PARTICIPANT EXPERIENCE

- Participants can expect some chaos
- Skill building: communication, decision-making, and leadership
- Actions matter: participants will be encouraged to not succumb to the pressure of giving up





HOW THE TTX LOOKS?

- There will be 10 county teams and three other "player" tables: Secretary of State, Vendors, and Law Enforcement/Cybersecurity
- TTX will mimic actual timelines
- There will be two phases of the TTX:
 - OPhase 1: Six months before November 5, 2024
 - every 15 minutes is one month
 - O Phase 2: Election Day
 - every 4.5 minutes is approximately 1 hour



LOOK AND FEEL

- The scenarios played out are fictional and the event is non-partisan: the atmosphere should be safe to share and struggle
- Each county has a slightly different makeup
- The threats introduced are actually real
- There will be times when a decision must be made: even with poor information
- This is a protected space: have frank conversations and don't worry about having the right answer



ULTIMATE GOAL OF TTX

- Assess the effectiveness of existing policies and practices at deterring, defending, and responding to risks posed by the threat environment
- Build relationships with other "players" who are your partners in election administration
- Increase participant awareness and develop skills and knowledge necessary to prepare for those same risks as well as issues that affect the administration of elections in general



LET'S GET TO SPECIFICS



FACILITATORS

- Each of the county tables will have a facilitator
- They will:
 - Guide you through the exercise but will never give you the answers
 - Record actions and remediations you take keep track of the fortifications you purchase
 - Give you various "injects" or scenarios: you will consider, discuss, and respond to them





FORTIFICATIONS

- The budget is \$30,000
- Costs are a representation of the actual cost in dollars and cost in time and resources
- You will purchase the fortifications starting on the first day during Phase 1
- Some of the fortifications purchased will prevent you from experiencing some issues
- Spend the money: you cannot spend it on Election Day



INJECTS

- Injects are how information is communicated to you
- Injects come in three forms:
 - O Video (often simulating news reports)
 - Audio (often simulating phone calls)
 - Paper Injects (emails, news articles, social media posts, etc)



INJECTS

All the information is important, even if another county is named.

The Daily Cactus

Your Laker County Trusted Source for Local News

November 3, 2024

Helping or Harming? Elections Office Email Causes Stir

Voters around Laker County are reporting tough times getting through to the elections office.



PARTNER TABLES

- Vendors
- Law Enforcement/Cybersecurity
- Secretary of State's Office































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OUTSIDERS IN YOUR MIDST ...

- During each exercise, you will have individuals who will engage you:
 - Reporters
 - Lakers County Elections Director
- How you respond matters



REMINDERS

- Example Reactions
 - Communicate with partners
 - o Discuss as a group
 - Make decisions
 - Purchase fortifications
- Build consensus and communicate through the spokesperson
- Work alongside others who may share your role
- How you communicate matters



LET'S GET STARTED



15 MINUTE BREAK





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RECAPS & READOUTS





JOIN US FOR HAPPY HOUR & DINNER

Located in the Upper Deck (above the pool deck), starting at 5:30 PM, followed by dinner.

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DAY 2





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WELCOME BACK





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MICHAEL MOORE

Chief Information Security Officer





TODAY'S AGENDA

9:00 am

Welcome & Overview of Day

9:15 am

Opening Remarks with the Assistant Director of CISA

9:25 am

Security in Election Administration

9:45 am

Non-Public Communication Strategy

10:00 am

Communication Continuity in Elections

10:15 am

Break

10:30 am

Exercise #2

12:00 pm

Grab a Box Lunch Break

TODAY'S AGENDA

12:15 pm

Emerging AL & Digitial Tools

12:35 pm

How AI Assisted the TTX

12:45 pm

After Action & Recap

1:15 pm

Closing Remarks from Secretary of State Adrian Fontes



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CAIT CONLEY

Senior Advisor to the Director







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REY VALENZUELA

Director of Elections (Mail-In Voting & Election Services)





PROCEDURAL SECURITY IN ARIZONA





Welcome

Procedural Security in Arizona

12.16.23



- In conjunction with Cyber & Physical Security, Election Administrators also need to consider "Procedural Security."
- When looking at "Procedural Security in Arizona" there is an importance of knowing ARIZONA statute, Elections Procedure Manual (EPM) and our internal process & procedures when not specifically defined by either of those official guidance items.
- Why? To stay on the right side of the law, and about adapting an Election Incident Plan (EIP) that incorporates the principles using the template that the AZ Elections Community produced the EIP template is an easy way to have a plan if the don't have one.



Ballot Return Envelopes

Must be tamper-evident

Ballot Packets

- Must be mailed non-forwardable
- Only one mailed Ballot Packet must be verified by Recorder and send to elections for processing
- Must have two bipartisan retrievers of Ballot Packets from drop boxes

Voters Must show ID at the Polls

For both in-person and Election Day



Voting Equipment

Must be approved by the state

Logic & Accuracy Testing

Must be tested before and after elections

Candidates Cannot Be Poll Workers

With Precinct Committeemen exceptions

Election Boards Must beBy-Partisan

Voted and Unvoted Ballots are Sealed at the Polls After Voting



- The number of votes cast on equipment at the polls is audited against the roster
- Only election officers may train poll workers
- Zero reports run on equipment and is verified when opening polls
- Results reports are run when closing polls
- Ballots (and ballot stock) are inventoried at the polls

AND MORE...



MARICOPA COUNTY

Questions





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Remembering You Are Not Alone

Non-Public Communications Strategy

POLITICS

Local election workers have been under siege since 2020. Now they face fentanyl-laced letters

Election officials are

Election workers face violent threats and harassment amid dangerous political rhetoric

Election officials are bracing for conspiracyfueled threats — while still hoping for the best

Harassment and concerning incidents at drop boxes in swing states fueled by 2020 conspiracies, as well as the prospect of counting delays, have many workers on high alert.



Attacks Against Election Officials Are Taking a Toll

A new Brennan Center poll finds that election officials are under attack and leaving their jobs. They need help.

Death threats and harassment: 2024 election workers already are scared

JUNE 23, 2023 · 5:12 AM ET HEARD ON MORNING EDITION

TECH POLICY

Election workers brace for a torrent of threats: 'I KNOW WHERE YOU SLEEP'

Workers ranging from secretaries of state to poll workers have faced harassment online since the 2020 elections. They say social media companies and law enforcement need to do more.

Election Officials Under Attack
How to Protect Administrators
Jun 16, 2021

CAMPAIGNS & ELECTIONS GOVERNMENT & POLITICS VOTING

State and local election workers quitting amid abuse, officials tell U.S. Senate panel

BY: JACOB FISCHLER - NOVEMBER 1, 2023 7:34 PM



Election Officials Under Attack

that some politicians and voters did not like, election officials have been under unprecedented attack. Here's a plan to protect them.











The

Elections

Group











"This is not yours to fix alone. You act like you're all alone out there in the world, but you're not. You're not alone." Joyce Byers (Stranger Things)



Information Silos

An information silo is when information is contained within one system and cannot connect or communicate with others.

It's helpful to think of storage silos on a farm. These structures house grain, feed, woodchips, and other bulk products, keeping them enclosed and protected from the elements.





Information Silos

Like a farm silo, information silos hold data in a standalone, enclosed space.

There are cases where information needs to be siloed for security purposes, but sometimes, siloing information does more harm than good.

When information isn't shared freely, it can prevent teams from making the best decisions.



DOES SECURITY RISK MANAGEMENT IN YOUR ORGANIZATION

Bridging Information Silos

We need to know:

- What resources does every county need? (Assessments)
- What threats are you receiving? (Reporting)
- What kinds of Mis/Dis/Mal-information are you seeing? (Communication and meetings)
- What can Law Enforcement do? What would you rather they not do? (TTX's)





Get Updated Assessments



- Assessments create conversations and reinforce your needs
 - CISA and the National Guard can help with these!
 - Helps your organization identify security gaps
 - Justifies Grant requests
 - Individual information is protected, but we get a statewide snapshot of needs

Build an internal culture of communication and security

- Encourage your team to report security concerns.
- Discuss security best practices.
- Utilize security gamifications (phishing tests, etc).
- Use positive reinforcement
 - "I noticed you always make sure the door closes behind you. Thanks for keeping everyone safe!"







Foster Collaboration Between Departments

- Set up regular meetings between departments that "touch" Elections.
 - Recorders
 - o BOS
 - Facilities
 - Emergency Management
 - o IT
 - Sheriff's Office
 - County Attorney
- Talk about
 - Resource sharing
 - Grant funding
 - _o Contingency planning
 - Documenting procedures



Foster Collaboration Between Departments

- Discuss "What If" scenarios
 - Who will do what?
 - WhatshouldNOT bedone?



- Host a County Specific Tabletop Exercise
 - CISA and The Elections Group Can help!
 - More people = more prepared
 - Design Strategies that work for your county.

Make Connections Now

Other States
Your Threat Liaison Officer (TLO)
Arizona Counter Terrorism
Information Center (ACTIC)
Federal Bureau of Investigation
(FBI)
United States Postal Inspection
Service (USPIS)
Arizona Department of Homeland
Security(AZDoHS)

National Guard AZ Department of Emergency and Military Affairs (AZ DEMA)

Get to know these people now, so that when you need them, you already know who to call, and they know how to help!



Report, Report, Report!

ACTIC's P3 Reporting System

- Fusion Center
- A report to one is a report to all!
- https://azactic.gov/report
- When in doubt: REPORT!

Reporting means:

Getting you the help you need.

Notifying other Jurisdictions

Identifying Statewide, National or global trends

Creating unified messaging



Still Not Sure?
Send it to Angie or Michael.

Attend Security Meetings

- Secretary of State's Office hosts 3 Statewide Election Security Meetings:
 - Admin
 - Tech
 - Comms
- ACTIC hosts regular "Threats to Elections" Briefings
 Contact Thomas Neve or Angie
 to get on the list!

 CISA offers a variety of physical and cyber trainings.
 - https://www.cisa.gov/resources-tools/training

Questions?





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MURPHY HEBERT

Deputy Assistant Secretary of State





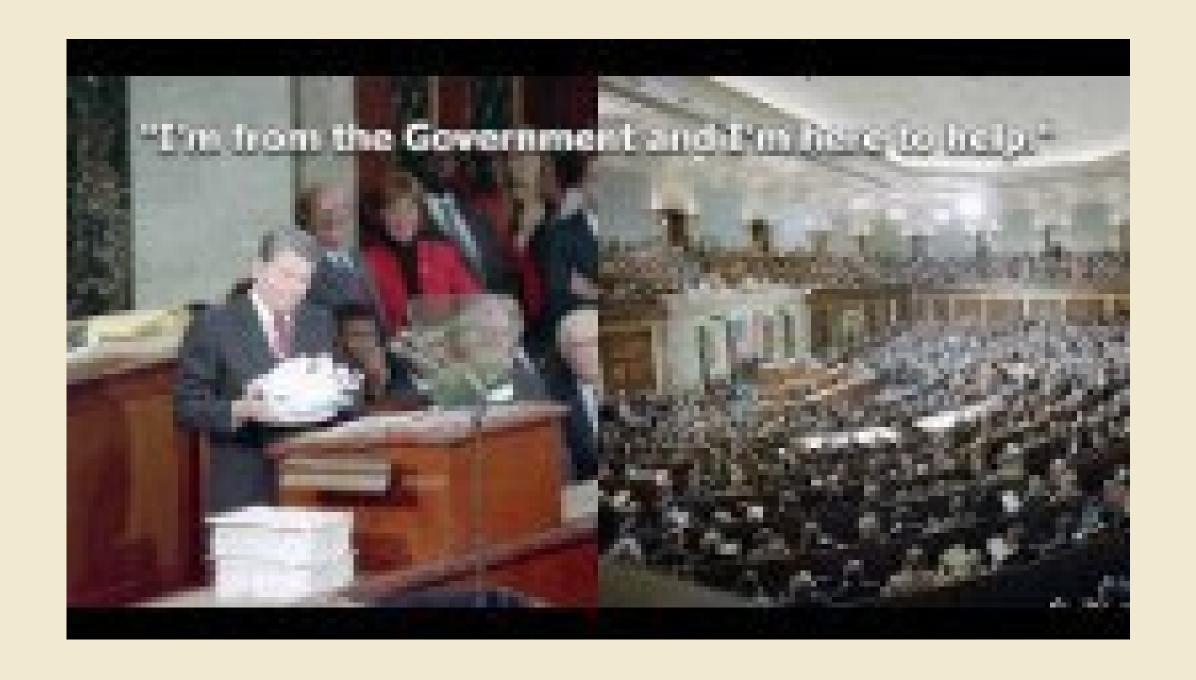


Murphy Hebert
Deputy Assistant
Secretary of State

@azsos.gov

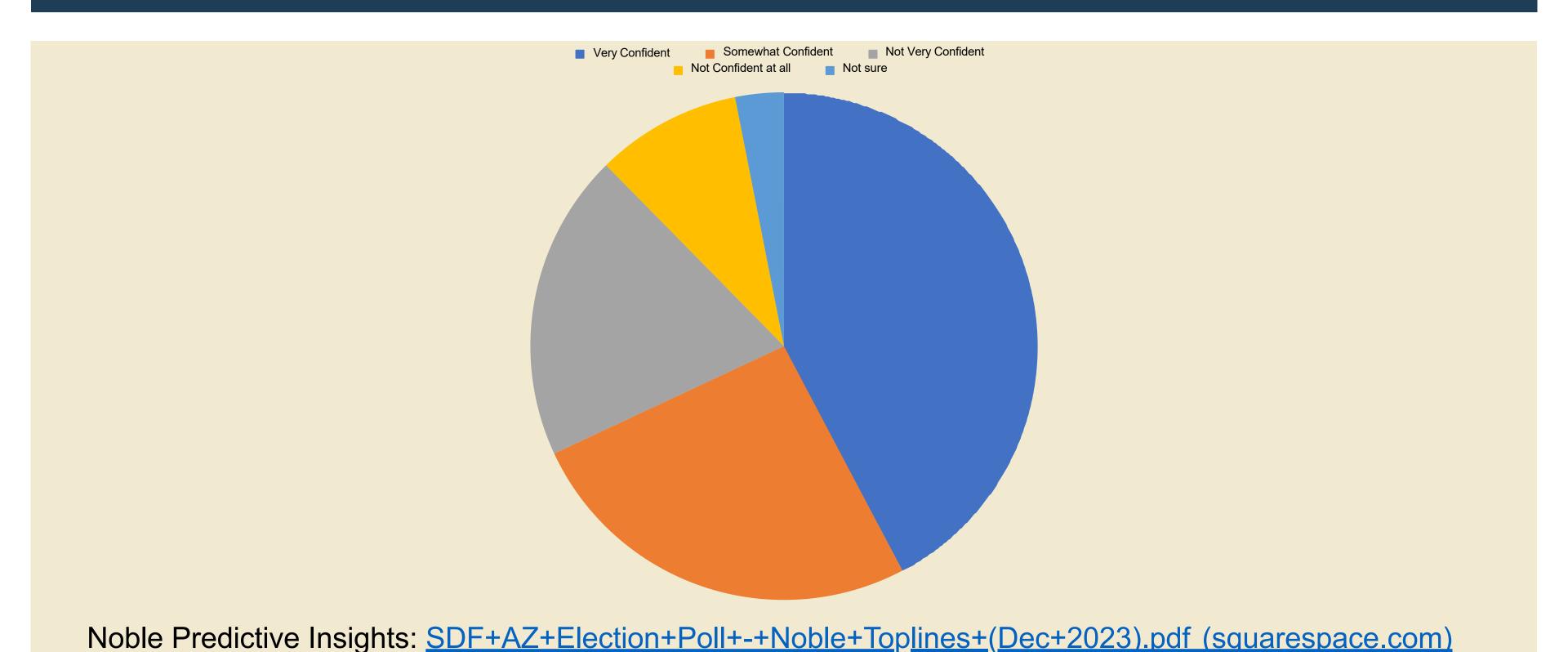
I'm from the government and I'm here to help.

Communication Continuity in Elections



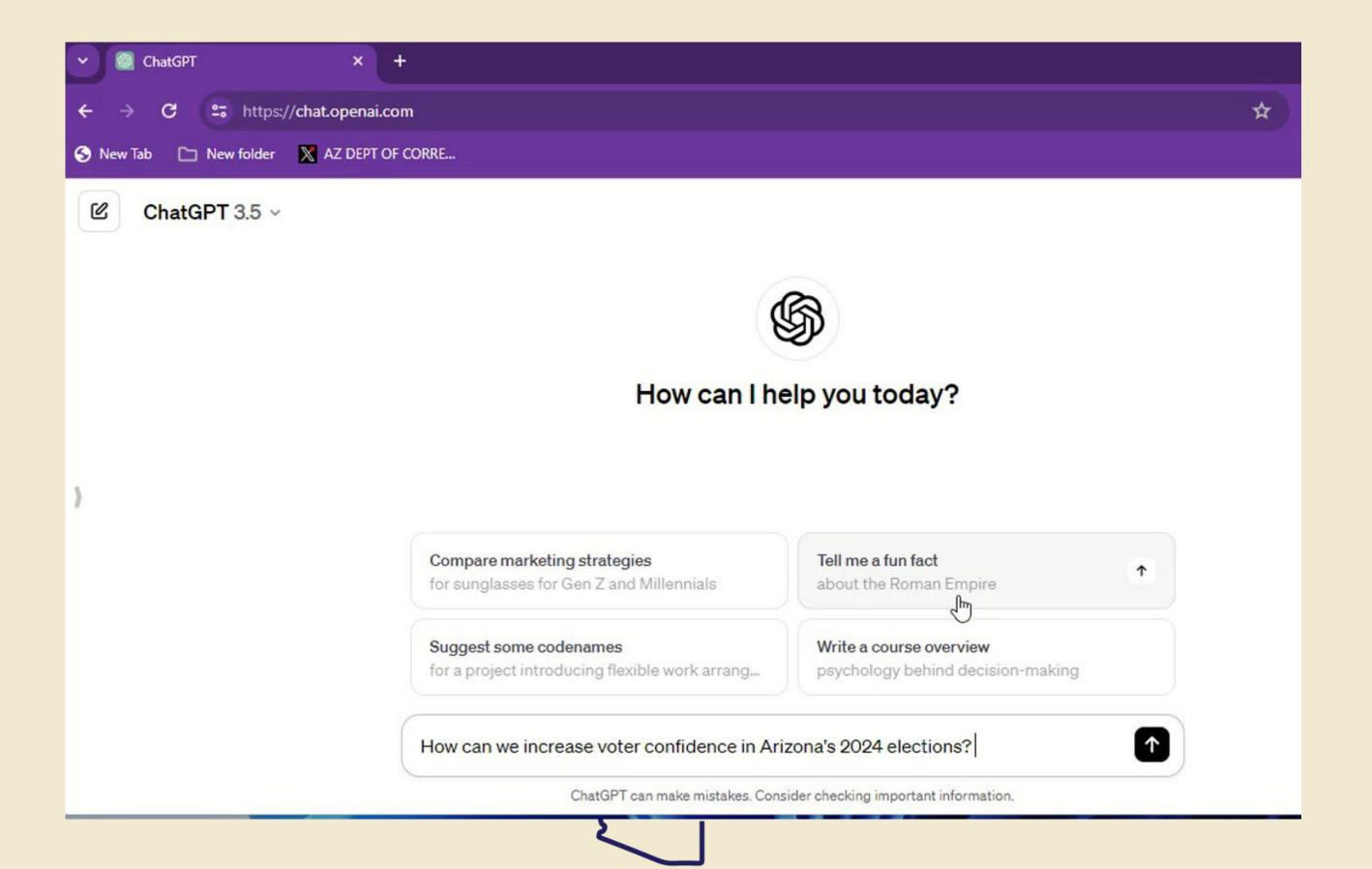


How confident are you that the results in AZ will be accurate for the upcoming 2024 Presidential Election?

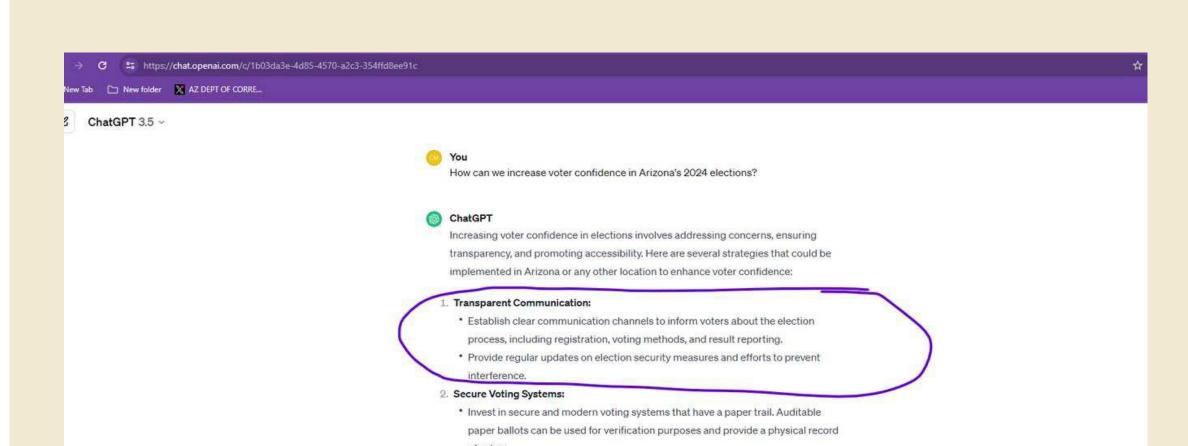


How do we protect and increase voter confidence in our election results?









3. Robust Cybersecurity Measures:

4. Voter Education:

Message ChatGPT...

Regularly update and test voting systems to identify and address vulnerabilities.

Implement strong cybersecurity protocols to protect voter registration databases,

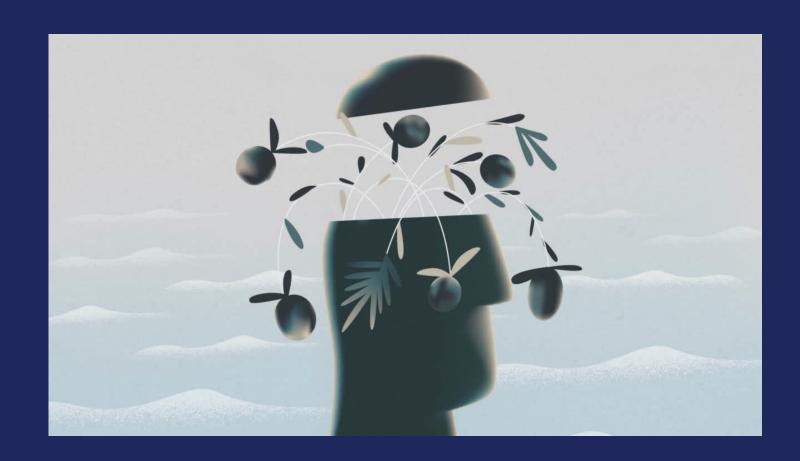
 Develop comprehensive voter education campaigns to inform citizens about the voting process, registration deadlines, and how to verify their voter registration

Educate voters about the security measures in place to safeguard their votes.

election management systems, and other critical infrastructure.

Conduct regular cybersecurity assessments and audits.

What we know:



Consistency = Credibility



Teamwork makes the dream work. (And other cheesy quotes.)





Please Do!

- Remember you are not alone.
- Participate in the comms meetings.
- Be consistent in your messaging.
- Align your message with other election officials whenever possible.
 Reach out about a comms plan.

Please Please Please Do Not

- Speak on behalf of another county.
- Feel compelled to answer a question that you aren't sure about.
- Ignore a problem.
- Forget that trust in our election processes is CRUCIAL to our democracy.
 Break Democracy.

Questions?



15 MINUTE BREAK





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EXERCISE #2



LUNCH BREAK

15 minute break to grab a box lunch & return to your tables





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TOSHI HOO

Director, Emerging Media Lab @ Institute for the Future





EMERGING AI & DIGITAL TOOLS





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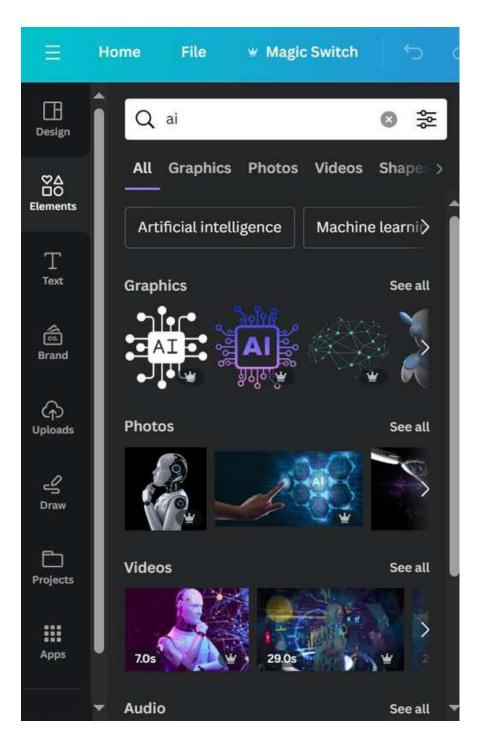


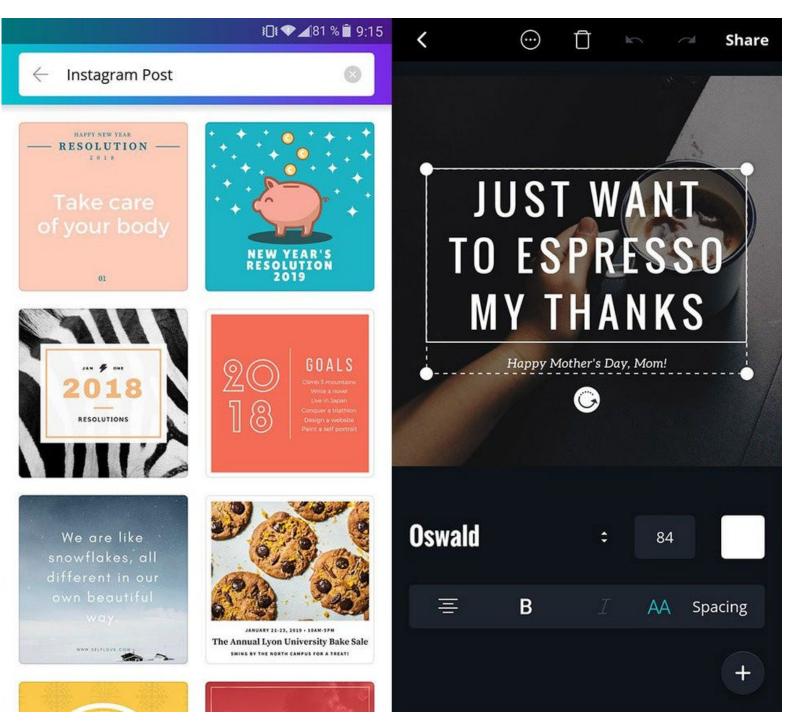


HOW AI ASSISTED THE TTX

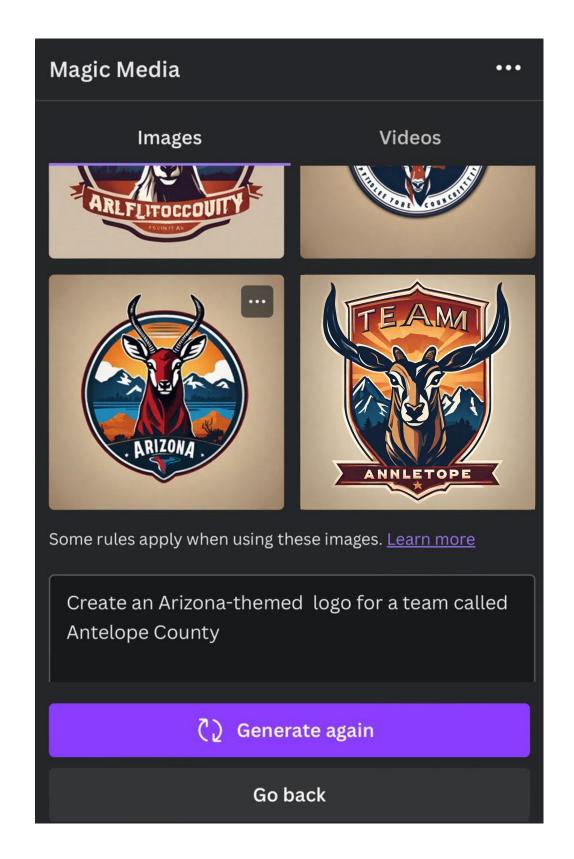


Canva























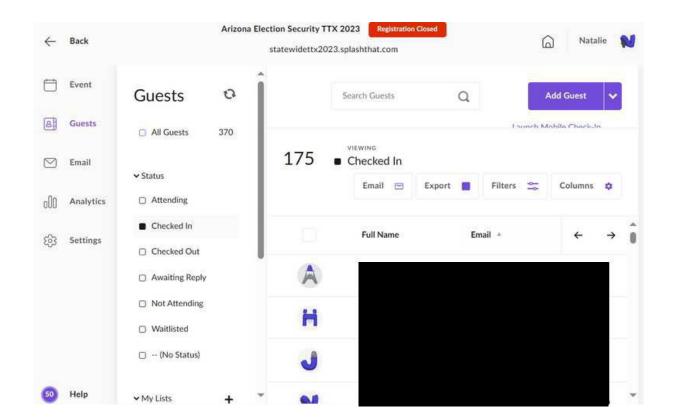


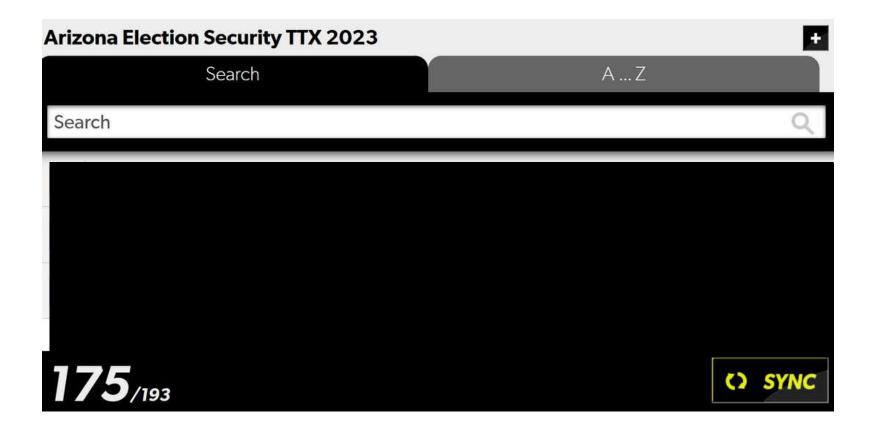


Friday, December 15th direct AACo Conference starting to Saturday, December 16th u

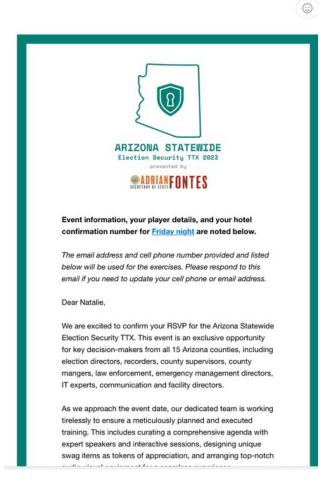
Arizona Election Security TTX 2023 Don't miss the Arizona Election Security TTX training this Friday and Saturday!

This is a unique chance for the leaders of all 15 Arizona counties who play a vital role in sale





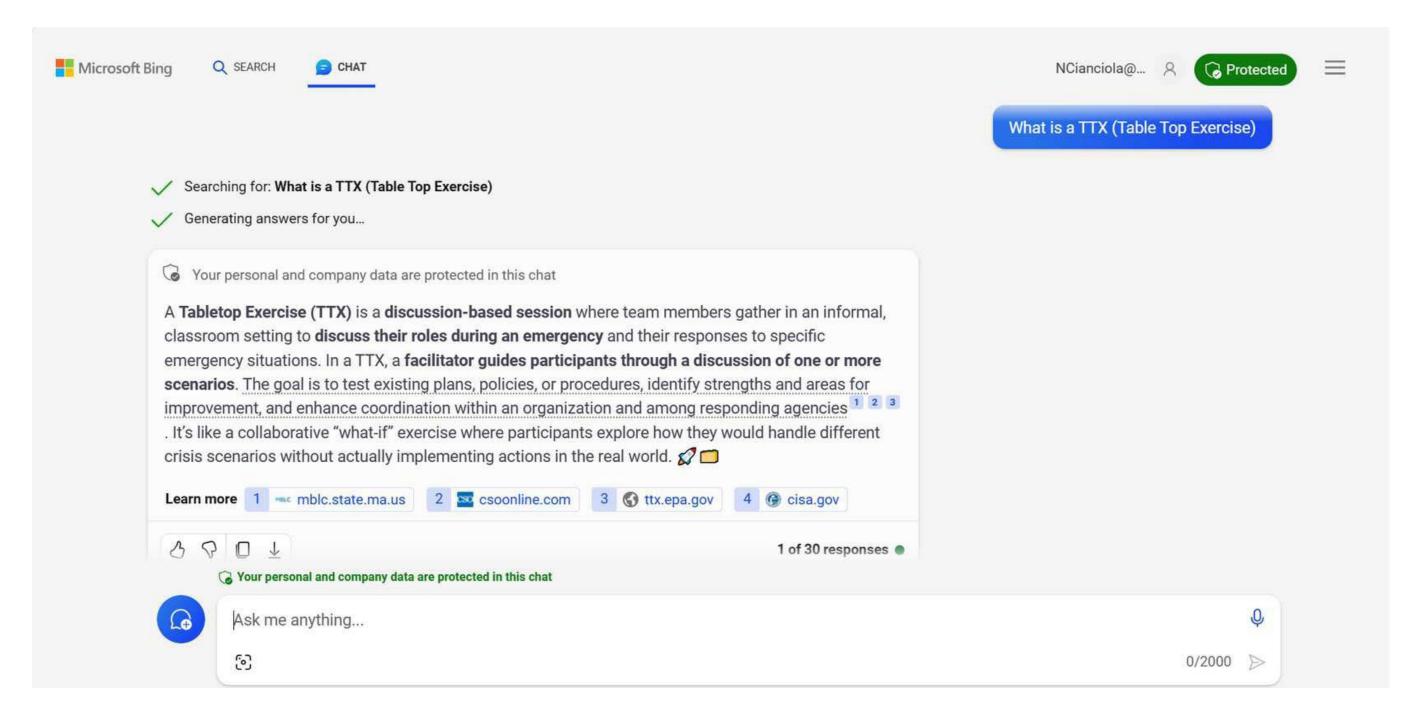






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NATALIE

@azsos.gov

Office:

Cell:







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ACTION & RECAP





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THANK YOU!





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Redaction Log

| Reason | Page (# of occurrences) | Description |
|-----------|-------------------------------------------------------------------------------------------------------|-------------|
| no reason | 32 (9) 33 (3) 37 (8) 89 (1) 90 (2) 102 (1) 106 (1) 125 (2) 132 (4) 130 (2) | |