

EchoMail® Audit of Ballot Images & Cast Vote Record (CVR) from 2020 U.S. Presidential Race in Maricopa County, AZ

If A.I. Driven Electronic Voting Systems Continue To Be Used, Legislatures (Not Private Corporations) Must Define the Parameters Used By Such A.I. In Vote Tabulation

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EchoMail® Ballot Image Analysis Completed:
Draft Report Completed:
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December 7, 2021
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January 22, 2022
February 16, 2022

Delivered to:

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President of the Senate
Arizona State Senate
1700 West Washington Street
Phoenix, AZ 85007

Honorable Mark Brnovich

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AUTHOR'S BIO

Dr. Shiva Ayyadurai, MIT PhD, S.M.M.E., S.M.V.S., S.B.E.E., the inventor of email and polymath, holds four degrees from MIT, is a world-renowned engineer, systems scientist, inventor and entrepreneur. He is a Fulbright Scholar, Lemelson-MIT Awards Finalist, India's First Outstanding Scientist and Technologist of Indian Origin, Westinghouse Science Talent Honors Award recipient, and a nominee for the U.S. National Medal of Technology and Innovation. He holds multiple patents, is the author of twenty books, and has published original research, in leading peer-reviewed high-impact scientific journals including *IEEE*, *IJPRAI*, *Nature Neuroscience*, *CELL Biophysical Journal*, that have received thousands of citations. He has started seven successful high-tech companies, received numerous industry awards, consults for Global 2000 organizations and government, and has been invited to present Keynote and Distinguished lectures at leading institutions such as NSF, NIH, FDA, Harvard, and at MIT, where he delivered the Presidential Fellows Lecture.¹

In 1978, as a 14-year-old, he was recruited as a Research Fellow by the University of Medicine and Dentistry of New Jersey (UMDNJ), in Newark, NJ after graduating with Honors from a special program in Computer Science at the Courant Institute of Mathematical Science at NYU. At UMDNJ, he invented email – **the system** as we know it today – when he was the first to convert the old-fashioned *interoffice paper-based mail system* consisting of the Inbox, Outbox, Memo (To:, From:, Date:, Subject:, Cc:, Bcc:), Attachments, Folders, etc. into its electronic equivalent by writing 50,000 lines of code to create a software system, which he named "Email," – a term never used before in the English language – and went on to be awarded the first U.S. Copyright TXu 111-775 for "EMAIL, COMPUTER PROGRAM FOR ELECTRONIC MAIL SYSTEM" recognizing him as the inventor of email at a time when Copyright was the only legal mechanism to protect software inventions. Only in 1994 did the Federal Circuit recognize software as a "digital machine" allowing for software patents. Email is not the simple exchange of text messages. Dr. Shiva has never claimed to be the inventor of electronic messaging, which predates email - the system that he created in 1978.^{2,3}

Recognizing his talents in software programming, UMDNJ gave him the opportunity to conduct medical research focused on developing pattern recognition classification methods for categorization of sleep signature patterns from babies with Sudden Infant Death Syndrome (SIDS). His research was published in IEEE and presented at the IEEE-EMBS conference in Espoo, Finland. Since that time and for more than forty years, his research and development efforts in academia and industry have been focused in the field of pattern recognition classification systems, systems science, and development of large-scale computational systems for analysis of diverse signals and signatures across a range of industries: biology and medicine, engineering (e.g. aeronautical, civil, mechanical, electrical), banking, finance, and, government, as well as across a diversity of applications including handwriting recognition of courtesy amounts on bank checks, automatic analysis and classification of electronic documents e.g. email, ultrasonic and radar wave signature classification for non-destructive evaluation (NDE), signals analysis of Tahoma

¹Dr. Shiva Ayyadurai, Biography and Curriculum Vitae, <https://vashiva.com/about-va-shiva-ayyadurai/>

²Facts on the invention of email, <https://www.inventorofemail.com/thefacts/>

³The Man Who Invented Email, TIME, <https://techland.time.com/2011/11/15/the-man-who-invented-email/>

AUTHOR'S BIO (CONT.)

feature identification, biomarker analysis for determining signatures of efficacy for multi-combination therapies, image analysis for cardiology, and signal detection of fluid flow anomalies in fluidized bed reactors.

He earned a Bachelors in Electrical Engineering and Computer Science, a Masters in Mechanical Engineering, and another Masters in Visual Studies from the MIT Media Laboratory. In the midst of his PhD research in 1993, where he aimed to create a generalized platform – Information Cybernetics – for pattern recognition, he won an industry-wide competition sponsored by the White House, Executive Office of the President, to automatically analyze and classify President Clinton's email, resulting in his developing EchoMail® - a platform for automatic classification of electronic documents –, and subsequently launching EchoMail, Inc., a company that grew to nearly \$200 million in market valuation. EchoMail today applies its technologies across a diversity of applications.

In 2003, he returned to MIT complete his doctoral work in systems biology in the department of Biological Engineering where he developed CytoSolve®, a scalable computational systems biology platform for mathematically modeling the whole cell. Following his PhD, Dr. Shiva was selected for a Fulbright Fellowship returning him to India where he discovered the systems theoretic basis of eastern systems of medicine resulting in Systems Health®, a new educational program that provides a scientific foundation for integrative medicine. In 2012, Dr. Shiva launched CytoSolve, Inc. with the aim of modeling complex diseases and biomolecular processes to discover multi-combination medicines. His efforts led to CytoSolve earning an FDA allowance for a multi-combination therapy for pancreatic cancer in a record eleven months, developing innovative nutraceutical products, and garnering numerous industry and academic partnerships.

As an educator dedicated to the field of systems science and systems thinking, Dr. Shiva pioneered Systems Visualization, a course he taught at MIT to graduate and undergraduate students, which integrated systems theory, narrative story telling, metaphors, and data science to provide a pedagogy for visualization of complex systems. He founded the International Center for Integrative Systems, a research and educational institution and home to Innovation Corps and R.A.W./C.L.E.A.N. Food Certified, for broader applications of systems science.

Dr. Shiva has appeared in The MIT Technology Review, TIME, The Wall Street Journal, New York Times, NBC News, USA Today and other major media. Dr. Shiva was named Top 40 Under 40 in the Improper Bostonian. He continues his passion for entrepreneurialism as Managing Director of General Interactive to incubate, mentor and fund new startups in various areas including healthcare, media, biotechnology, information technology, to name a few.

Dr. Shiva is a member of Sigma-Xi, Eta Kappa Nu, and Tau Beta Pi.

A Publication of the Election Systems Integrity Institute

The Election Systems Integrity Institute (“ESII”) is dedicated to providing independent research and infrastructure to support Election System Integrity. This publication documents the work completed by EchoMail, Inc., which was commissioned by the Arizona State Senate.

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Executive Summary

Key Items for Attorney General & Senate to Consider

- Why was analysis of Ballot Images & CVR not performed as first step in the Maricopa Audit? Millions of tax payer dollars and time could have been saved, and such effort could have been directed to real issues e.g. chain of custody, signature verification to advance election systems integrity
 - EchoMail® A.I. Ballot Image analysis identified 15,546 and 16,437 ballots that did not concur with Dominion A.I.'s pre-adjudicated tabulation and post-adjudicated tabulation, respectively. The Audit should have focused on these paper ballots versus reviewing all 2,089,563 ballots.
- Why are 6,835 Modified Cards missing. Per policy, for every Early Voting Ballot (EVB) where an Original Card in the Presidential Race was flagged for adjudication, there should be a Modified Card.
- When is a vote a vote given the inconsistent use of 'IsVote' flag by the Dominion A.I. system? Even experienced election officials cannot explain the inconsistencies?
- Why are any ballots – even one - being adjudicated for the Presidential Race when the Original Card was never flagged for adjudication?
- **The legislature, not a private corporation, must define the actual parameters that the A.I. should adhere to in determining a vote, write-in, undervote, overvote, or ambiguous.**

FOREWORD

“The EchoMail® analysis of Ballot Images and Cast Vote Records (CVRs) should be the first step in an engineering systems approach to any election audit, for it provides a fast and cost-effective method to reveal discrepancies in vote counts, inconsistencies in adjudication, and questions with policy and compliance that election officials may address up-front.

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EchoMail completed this process in 1-month, for \$50,000 (which it has yet to be paid). Why did EchoMail have to struggle so hard to get the **uncorrupted** Ballot Images from Cyber Ninjas the official Audit firm, who had the uncorrupted Ballot Images in their possession since April 2021, and gave them to others, but not to EchoMail who was officially contracted to do the analysis?

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Why was this process the last step, done **after the Audit?** – **Dr. Shiva Ayyadurai**

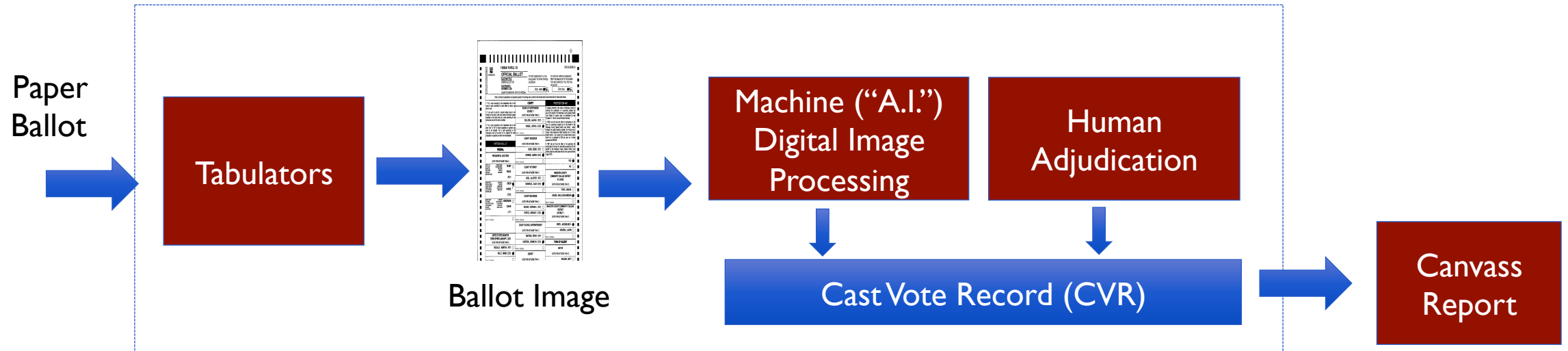
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- EchoMail® analysis of Ballot Images and CVR for the 2020 Maricopa Audit should have been the first step, not the last step done **after the Audit**

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The System of Processing a Ballot



ABSTRACT

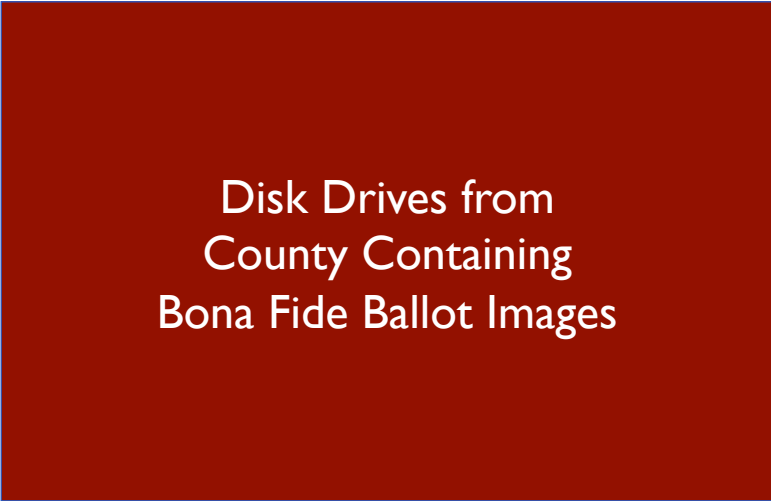
- EchoMail® analysis of Ballot Images and CVR for the 2020 Maricopa Audit should have been the first step, not the last step done **after the Audit**
- EchoMail® Ballot Image and CVR analysis, which was completed in 4 weeks:
 1. Revealed that except for disagreement on vote allocations on **15,546** ballots between EchoMail & Dominion, vote allocations on the remaining **2,074,017** ballots concurred
 2. Would have directed the initial phases of the Audit to review a finite set of 15,546 paper ballots versus reviewing all 2,089,563 ballots. This would have saved time, money, and directed efforts to investigate discrepancies in vote counts, inconsistencies in adjudication, and questions with policy and compliance for election officials to address up-front.
 3. Identified significant inconsistencies in the manner in which ballots are adjudicated
 4. Revealed need for transparency in how modern A.I. systems decide vote allocations

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 3. Identified significant inconsistencies in the manner in which ballots are adjudicated
 4. Revealed need for transparency in how modern A.I. systems decide vote allocations
- EchoMail was commissioned to perform Ballot Image analysis in August 2021. Cyber Ninjas had bona fide Ballot Images since April 2021. Yet, Cyber Ninjas never delivered those bona fide Ballot Images to EchoMail. Why?

PROJECT HISTORY

- **April 2021** - Cyber Ninjas received: 1) disk drives from County containing bona fide ballot images; as well as, 2) a “disk image” of the entire Dominion Election Management System.*

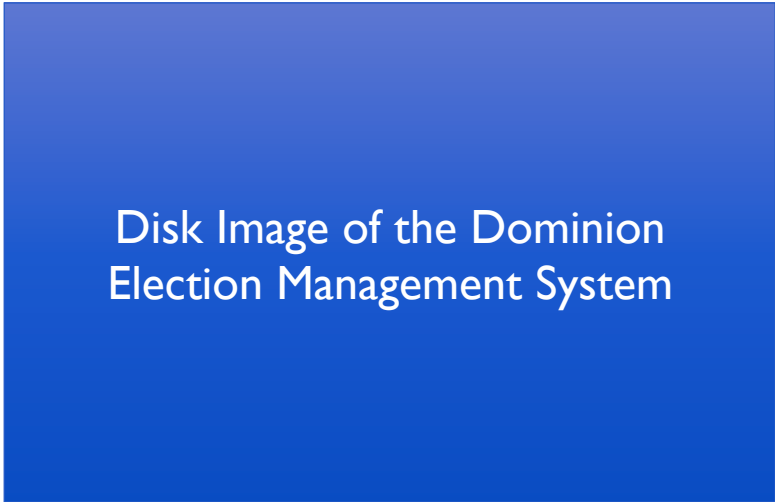


Disk Drives from
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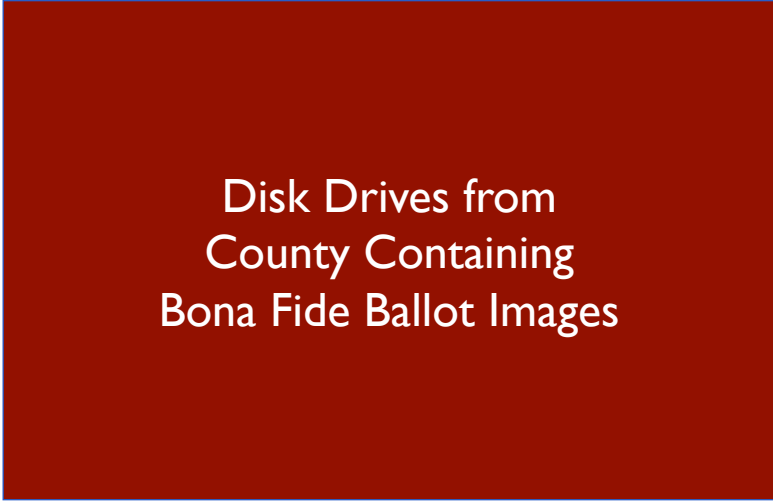
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Disk Image of the Dominion
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PROJECT HISTORY

- **April 2021** – Cyber Ninjas received: 1) disk drives from County containing bona fide ballot images; as well as, 2) a “disk image” of the entire Dominion Election Management System.*
- **June 5, 2021** – Arizona State Senate contacts EchoMail, Inc. to discuss commissioning EchoMail® pattern recognition processing capabilities to analyze Dominion Ballot Images
- **July 2021** – Verbal agreement reached for EchoMail to serve as sub-contractor to Cyber Ninjas to process Dominion Ballot Images and to start by August of 2021.
- **Last Week of July 2021** - EchoMail receives Cast Vote Records in JSON format from Cyber Ninja.

*Ben Cotton Conversations with Dr. Shiva Ayyadurai, Early December 2021.

PROJECT HISTORY

- **August 1, 2021** – Within 48 hours of receipt of CVR in JSON from Cyber Ninjas, EchoMail builds relational data structure, and requests Ballot Images from Cyber Ninjas.
- **August 5, 2021** – Contract executed between EchoMail, Inc. and Cyber Ninjas for \$50,000.00 to process Ballot Images
- **August 9, 2021** – Cyber Ninjas uploads Ballot Images for EchoMail to begin processing. Within hours, EchoMail discovers ~70% of the Ballot Images are corrupted and unusable, and immediately notifies Cyber Ninjas
 - Cyber Ninjas attempts to convince EchoMail that the Ballot Images are “encrypted”
 - EchoMail demonstrates they are not encrypted
 - Cyber Ninjas acknowledges that the Ballot Images are corrupted
 - EchoMail informs Cyber Ninjas that project is on hold until EchoMail receives bona fide Ballot Images

PROJECT HISTORY

- **August 9-19, 2021** – Cyber Ninjas goes silent on the matter and never makes first payment due to EchoMail
- **August 19, 2021** – EchoMail terminates Agreement with Cyber Ninjas and informs Arizona Senate Liaison of “corrupted” Ballot Images. County is blamed by Cyber Ninjas for corrupting the Ballot Images.
- **September 1, 2021** – EchoMail is commissioned by Arizona State Senate for signature presence detection on Early Voting Ballot (EVB) Envelope Images
- **September 24, 2021** - EchoMail presents results of EVB Envelope image analysis to AZ Senate that expose various anomalies and raises new questions on signature verification.

PROJECT HISTORY

- **August 19, 2021 – November 23, 2021** – EchoMail persists to find out where are the uncorrupted Ballot Images.
- **November 23, 2021** – Randy Pullen, Arizona Senate Liaison, is able to locate the Bona Fide Ballot Images from Ben Cotton and makes arrangements for EchoMail to get Ballot Images
- **November 23, 2021** – Dr. Shiva Ayyadurai meets with President Donald J. Trump in Mar-a-Lago and informs President Trump that Cyber Ninjas never gave EchoMail the Ballot Images. President Trump asks, “What are Ballot Images?” Dr. Shiva explains what are Ballot Images to President Trump.

PROJECT HISTORY

- **Early December 2021** - Ben Cotton informs EchoMail that **Cyber Ninjas ALWAYS had the uncorrupted Ballot Images** in their possession. Cotton reveals that Cyber Ninjas had indeed sent uncorrupted Ballot Images to two other parties back in June 2021. He is confused as to why Cyber Ninjas never sent the uncorrupted Ballot Images to EchoMail.
- **December 7, 2021** – EchoMail **finally** receives uncorrupted Ballot Images from Ben Cotton, after the official Audit by Cyber Ninjas has been completed. In testimony to the Arizona State Senate, Cyber Ninjas alleged that the Ballot Images were corrupted by the County.
- **January 7, 2022** – EchoMail completes Ballot Images and CVR analysis and presents findings to Arizona Senate Liaison.

PROJECT HISTORY

- **January 22, 2022** – EchoMail completes Draft Report on findings from Ballot Images and CVR analysis and gets feedback.
- **February 16, 2022** – EchoMail presents Final Report: *EchoMail® Audit of Ballot Images & Cast Vote Record (CVR) from 2020 U.S. Presidential Race in Maricopa County, AZ*

INTRODUCTION

- Pursuant to *52 USC 20701*, which encourages citizens to conduct election audits, all records generated in connection with a Federal election are to be preserved for 22 months.
- “All records generated” include **Ballot Images** and **Cast Vote Records**
 - Ballot images include pre- and post-adjudicated ballot images
 - Cast vote records include both pre- and post-adjudicated data
- The Election Systems Integrity Institute in collaboration with EchoMail, Inc. is publishing the results of the EchoMail® Ballot Image and CVR Analysis of 2,089,563 Ballot Images from the 2020 Presidential Race in Maricopa County, Arizona

INTRODUCTION

- This report documents EchoMail® Ballot Images and Cast Vote Record (CVR) analysis which was commissioned by the Arizona State Senate through its liaison in December of 2021.
- EchoMail completed the Ballot Images and CVR analysis in 4 weeks on January 7, 2022
- In precincts and counties using electronic voting systems, Artificial Intelligence (A.I.) is used to analyze Ballot Images to tabulate votes prior to adjudication (Pre-Adjudication)
- Before electronic voting systems, election officials used humans to review a ballot and determine vote counts as well as what ballots need adjudication.

INTRODUCTION

- Adjudication is a process where more than one individual, likely one from each Party, reviews a questionable ballot to determine the vote allocation.
- Clear guidelines were established when humans reviewed a ballot to determine if it was a bona fide vote, undervote, overvote, write-in, and/or ambiguous
 - Any undervote, overvote, write-in, and ambiguous ballot was set for adjudication by human review.
 - For in-person voting, in some counties as in Maricopa, the adjudication is done by the voter
- Such guidelines included, for example, how much of the oval was filled in to be a vote, what “stray marks” constituted ambiguous, etc.

INTRODUCTION

- In the modern world of electronic voting systems with “robots” – Artificial Intelligence – determining votes, undervotes, overvotes, write-in, ambiguous, it now becomes important to know what are the standards being used by such robots i.e. A.I. in determining vote classifications
 - When is a vote a vote? What percentage of the circle or oval needs to be filled in?
 - When is a vote determined by the A.I. to be an undervote? Suppose there are some minor marks.
 - When is a vote an overvote? Suppose one oval is filled in 95% and others are 5% filled in.
- There is a need for transparent standards of how A.I. on such electronic voting systems classify votes.* This will serve a two-fold purpose:
 - 1) Improve the public’s trust in electronic voting systems; and,
 - 2) Enable independent audits to occur faster, better, and cost effectively

*If such standards exist, this should be made easily accessible to the public, without the need to file public records request. Public should be made fully aware of how their votes will be tabulated by the A.I.

BALLOT IMAGES

BALLOT IMAGES ARE THE “BALLOTS”

- Voters submit paper ballots via mail or in-person
- Paper ballots are processed geographically:
 - Centralized using tabulators at MCTEC for Early Voting Ballots (EVBs)
 - Decentralized using tabulators across Maricopa for in-person ballots
- All tabulators convert the paper ballots to **Ballot Images**
- The total number of paper ballots = 2,089,563
- The total number of ballot images = 2,089,563

BALLOT IMAGES & TABULATORS

- Tabulators are used to process paper ballots to generate Ballot Images
- 2,089,563 Ballot Images, representing ALL ballots cast, were generated from 379 tabulators in Maricopa
- 1,923,719 Early Voting Ballot (EVB) generated images from 33 MCTEC centralize tabulators
- 165,844 In-Person Ballot Images were produced from 346 non-MCTEC tabulators decentralized across multiple precinct locations

CAST VOTE RECORDS (CVR)

- Cast vote records (CVR) are the central repository for documenting the vote allocations:
 - Original cards (vote allocations in pre-adjudicated state)
 - Modified cards (vote allocations in post-adjudicated state)
 - Deltas between Original and Modified
- CVR is used to tabulate the final vote count in the *CANVASS Report*

BALLOT IMAGES & CVR

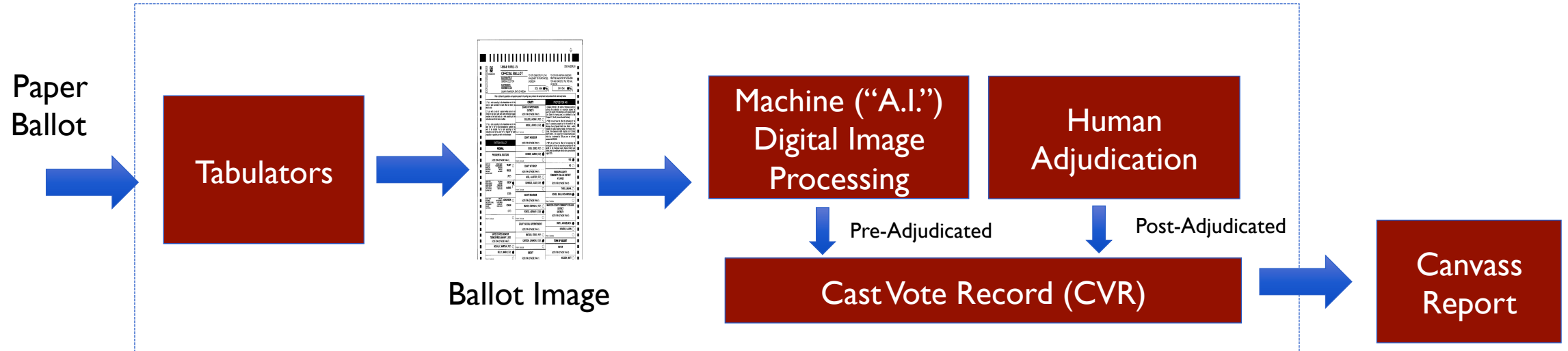
- A.I. on the tabulators performs image analysis
- A.I. determines vote counts for each race (or question)
- Vote counts are stored in the CVR as an “original card” (pre-adjudicated state)
- A.I. flags races on the original card for “adjudication”
 - Undervote, Overvote, Ambiguous, Write-In
- “Modified cards” are created for ballots flagged for adjudication
 - Every flagged race on original card must have a modified card
 - Exception is for in-person voting, where no modified card is generated

METHODOLOGY

- Acquired Ballot Images and CVR for audit
- Organized Ballot Images & CVR into relational data warehouse
- Executed EchoMail® A.I. pattern recognition classification on Ballot Images to tabulate results
- Performed discrepancy analysis
 - Phase I: Post-adjudicated CVR vs. Maricopa County's *CANVASS Report*
 - Phase II: Pre-adjudicated CVR vs. Post-adjudicated CVR
 - Phase III: Comparison of EchoMail® A.I. analysis with Dominion A.I.
 - Phase IV: Comparison of EchoMail® A.I. analysis with *CANVASS Report*
- Itemized Issues and Concerns

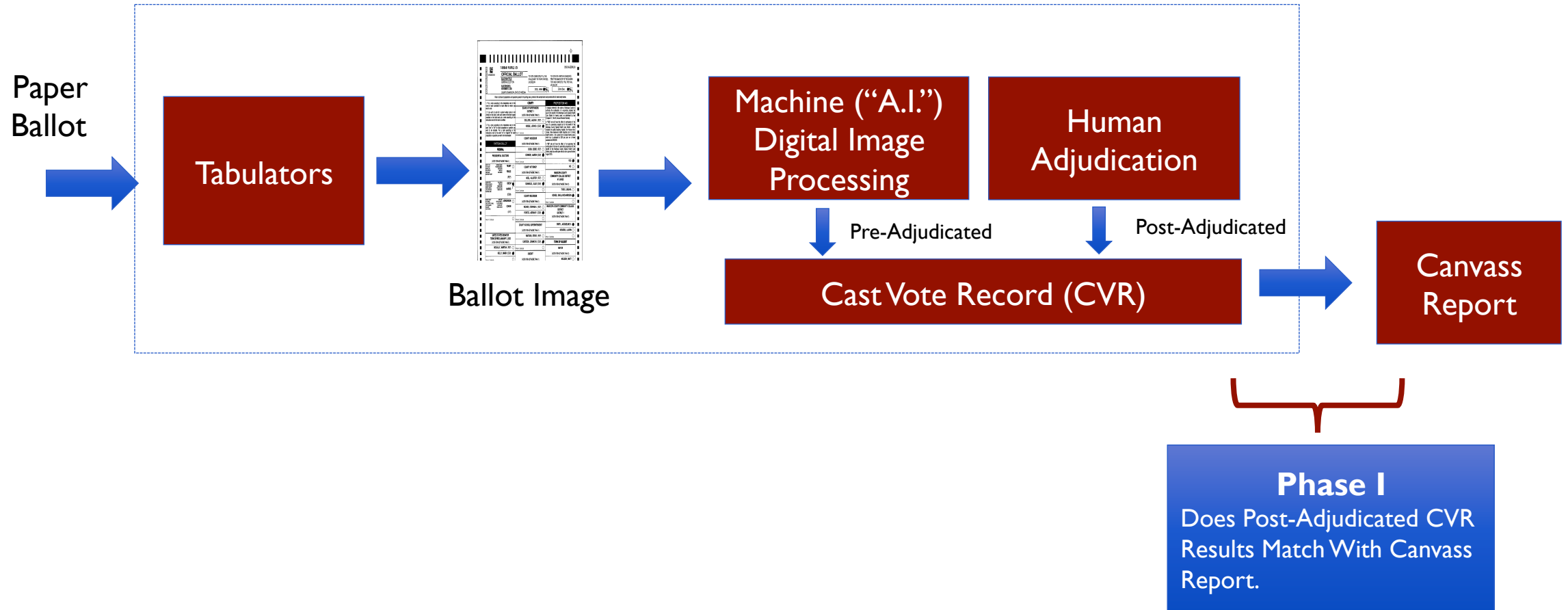
METHODOLOGY

The System of Processing a Ballot



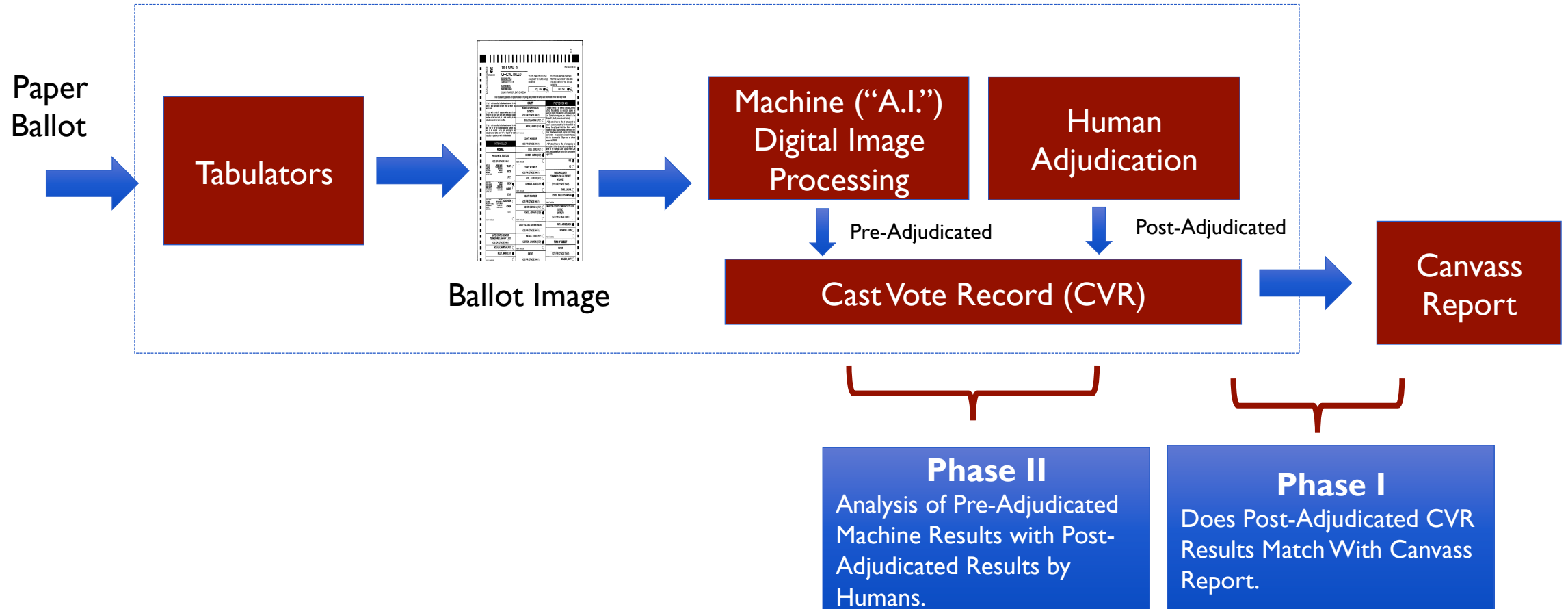
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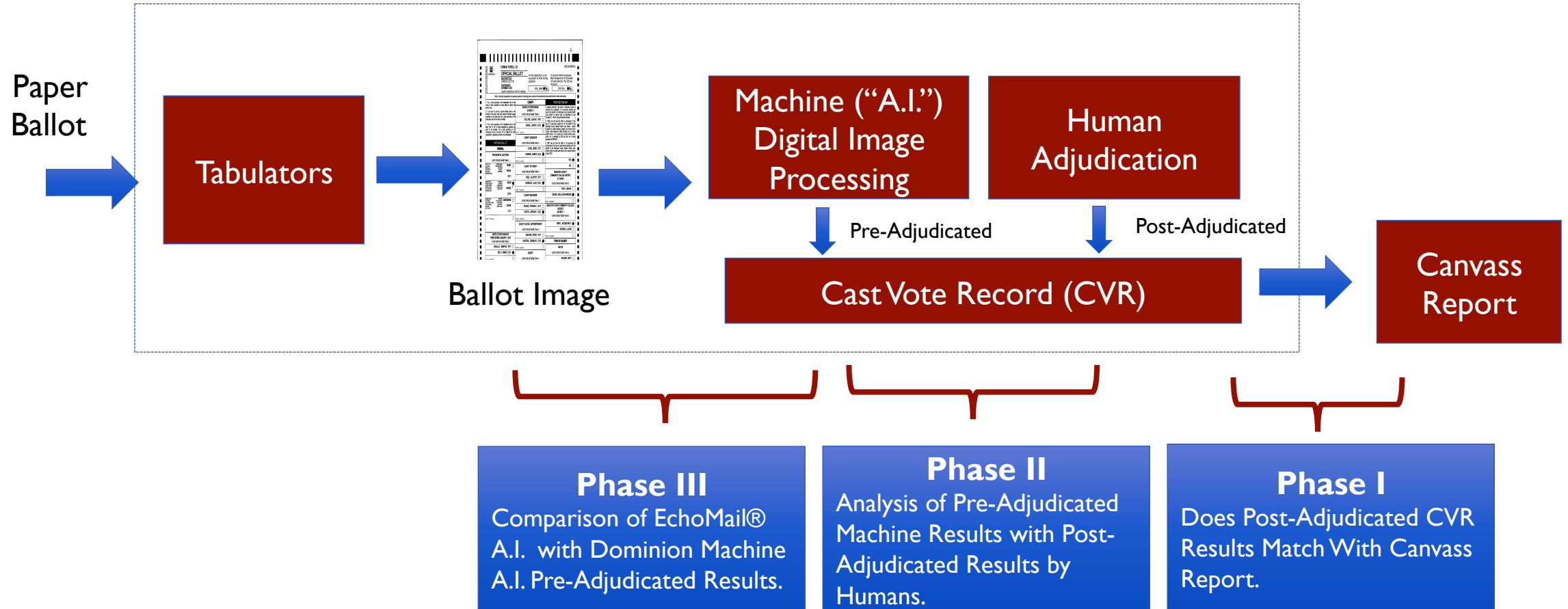
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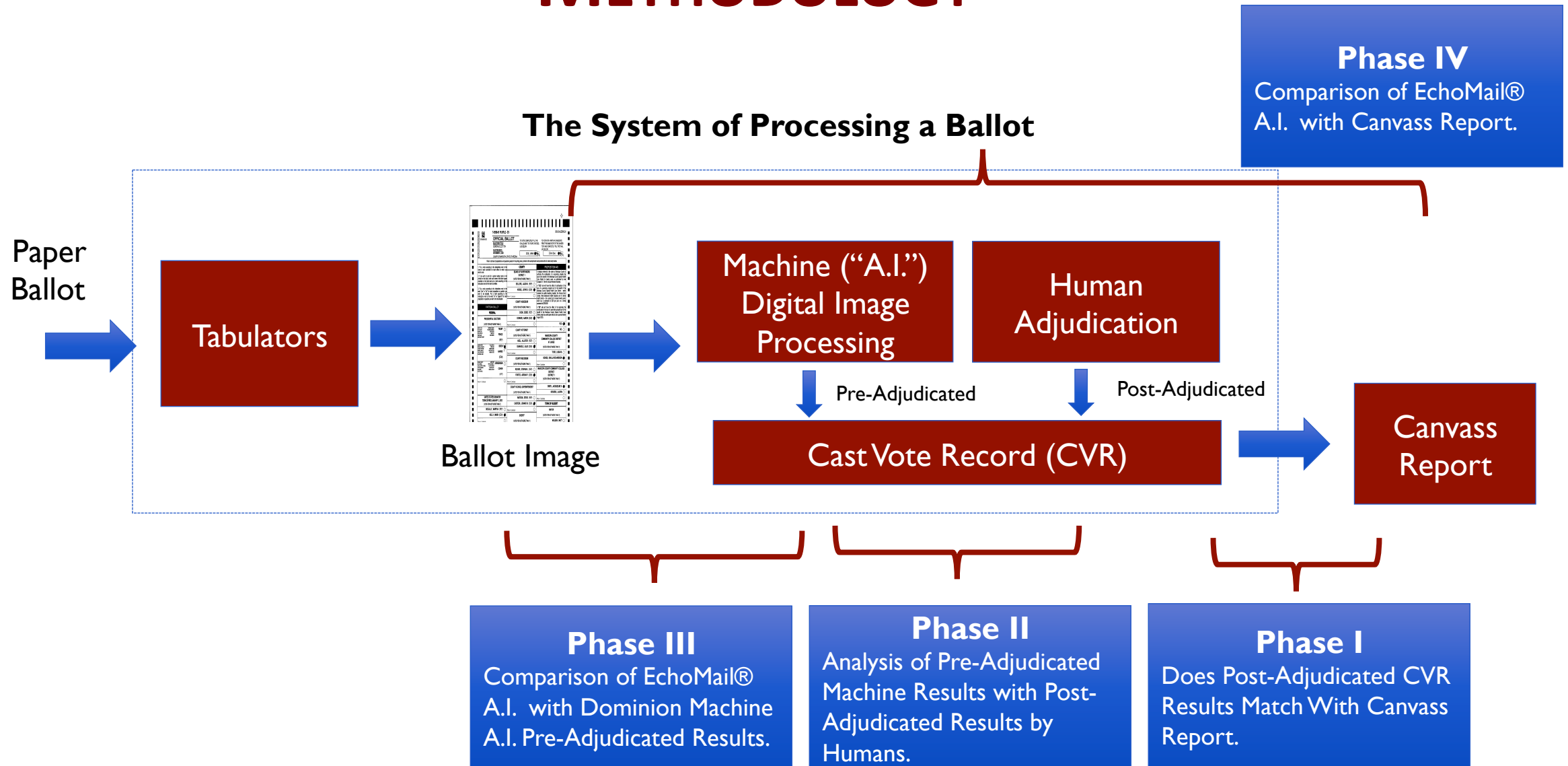
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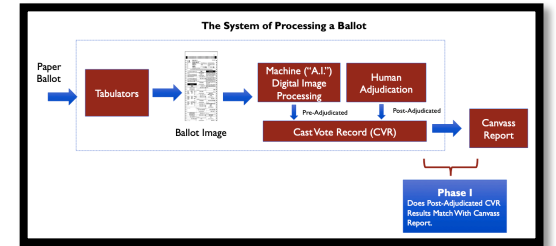
RESULTS

PHASE I

PHASE I

Comparison of EchoMail® CVR Analysis of Post-Adjudicated State Versus Maricopa CANVASS Report

Allocation	EchoMail® CVR Analysis	Maricopa Canvass	Variance
Trump	995,665	995,665	0
Biden	1,040,774	1,040,774	0
Jorgensen	31,705	31,705	0
Write-In	7,942	7,942	0
Undervotes	8,475	8,475	0
Overvotes	<u>5,002</u>	<u>5,002</u>	<u>0</u>
TOTAL	2,089,563	2,089,563	0



PHASE I - Summary

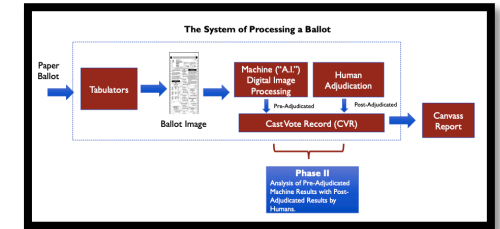
EchoMail® CVR analysis of the post-adjudicated state reveals that the Maricopa *CANVASS* Report concurs with the post-adjudicated CVR, and there is no variance.

PHASE II – PART 1

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EchoMail® CVR Analysis to Determine How Many Ballots Were Flagged for Adjudication That Included Presidential Race

Item	EchoMail® CVR Analysis
Total Votes Cast	2,089,563
Original Cards	2,063,866
Trump	993,973
Biden	1,038,321
Jorgensen	31,572
Flagged for Adjudication	25,697*



*Appendix A – Contains the 25,697 ballot images that were flagged for adjudication

Phase II - Part 1 Summary

EchoMail® CVR analysis of the pre-adjudicated state reveals that **25,697 ballots** were flagged for adjudication that included the Presidential Race.

“Flagged for Adjudication” means those ballots that the Dominion A.I. determined to be: Write-Ins, Overvotes, Undervotes, and/or Ambiguous on the Presidential Race.

It is important to note that a ballot i.e. original card may be flagged for multiple reasons i.e. write in & undervote, write-in and undervote and ambiguous, etc.

PHASE II – PART 2

PHASE II – Part 2

EchoMail® CVR Analysis of 25,697 Original Cards Flagged for Adjudication with Actual Post-Adjudicated Modified Cards for Presidential Race

Item	EchoMail® CVR Analysis	
Flagged Original Cards WITH Modified Card with Changes	18,402	18,402
Early Voting Ballots (EVBs)	17,344	
In-Person Ballots	1,058	
Flagged Original Cards WITHOUT Modified Card	7,295	7,295
Early Voting Ballots (EVBs)	6,835	
In-Person Ballots	460	
UN-Flagged Original Card WITH Modified Card with Changes	11	11
Early Voting Ballots (EVBs)	11	
In-Person Ballots	0	

Note: In speaking with former County officials, every original card flagged for adjudication, not for ballots cast in-person, must have a modified card. EchoMail® CVR Analysis revealed 18,402 original cards flagged for adjudication had 18,402 modified cards; however, of these 1,058 were in-person, and should not have had modified cards, but they did. Separately, 7,295 original cards were flagged for adjudication but none had modified cards. Of these 7,295, 460 ballots were cast in-person, which should not have modified cards; however, 6,835 of these should have modified cards as they were EVBs. Finally, an additional 11 modified cards were present although there were no original cards flagged for adjudication.

Actual Original Cards: 25,697
Actual Modified Cards: 18,413
Expected Modified Cards: 24,179

PHASE II – Part 2 SUMMARY

- EchoMail® CVR analysis of the pre-adjudicated state reveals that **25,697 ballots** were flagged for adjudication, had original cards, that included the Presidential Race, and were flagged for write-in, undervote, overvote, ambiguous.
- Per policy, for every Early Voting Ballot (EVB) where the Original Card in the Presidential Race was flagged for adjudication (24,179), there should be a Modified Card; however, only 17,344 Modified Cards, originating from EVBs, actually exist. A total of 6,835 Modified Cards are missing.
- Of the 25,697, 1,518 were In-Person voting and per policy should not have modified cards. Therefore, a total of 24,179 modified cards should exist.
- However, only 18,413 modified cards for the Presidential Race exist in the CVR.
- Moreover, there were 1,058 modified cards for In-Person voting original cards that were flagged for adjudication. Per policy these modified cards should not exist.

PHASE II – Part 2 SUMMARY

- EchoMail discovered potential inconsistency in policy issues on EVBs flagged for adjudication
- 11 EVBs were found to have modified cards; however, the original cards were NOT flagged in any manner for adjudication
- This 11 EVB inconsistency is explored later.
- A significant amount of research was required by EchoMail to decipher this inconsistency and raises a major policy issue: How can modified cards appear without any original card being flagged for adjudication?

PHASE II – Part 2 SUMMARY

Supplementary Data File: Appendix A is attached herein which contains a ZIP file containing the 25,697 Ballot Images representing the ballots that were flagged for adjudication. These Ballot Images are divided into FIVE directories:

1. Directory 'EVBs-Flagged-Modified' containing 17,344 ballot images
2. Directory 'IN-Person-Flagged-Modified' containing 1,058 ballot images
3. Directory 'EVBs-Flagged-No-Modified' containing 6,835 ballot images
4. Directory 'IN-Person-Flagged-No-Modified' containing 460 ballot images
5. Directory 'EVBs-Not-Flagged-Modified' 11 ballot images

PHASE II – PART 3

PHASE II – Part 3

EchoMail® CVR Analysis of Potential Modifications Across the 25,697 Original Cards Flagged for Adjudication

Item	EchoMail® CVR Analysis
Original Cards Flagged for Adjudication	25,697
Potential Modifications Across All Original Cards Flagged for Adjudication	28,645*

*It is important to note that a ballot i.e. original card may be flagged for multiple reasons i.e. write-in & undervote, write-in and undervote and ambiguous, as indicated in the CVR.

“Potential Modifications” indicate the various modifications that could occur to the original card based on the reasons for flagging.

PHASE II – Part 3

EchoMail® CVR Analysis of Potential Modifications Across All Original Cards Flagged for Adjudication

IsVote

TRUMP
993,973

BIDEN
1,038,321

JORGENSEN
31,572

These are the allocation of votes determined by Dominion's Artificial Intelligence System based on analysis of the Ballot Images in the pre-Adjudicated State.

These vote allocations in CVR are tagged as ONLY having the 'IsVote' flag, without any other flags being set.

None of these ballots should be adjudicated as they are not flagged as Write-In, Undervote, Overvote, Ambiguous.

PHASE II – Part 3

EchoMail® CVR Analysis of 28,645 Potential Modifications

IsVote

TRUMP
993,973

BIDEN
1,038,321

JORGENSEN
31,572

Undervotes
9831

9831

PHASE II – Part 3

EchoMail® CVR Analysis of 28,645 Potential Modifications

IsVote

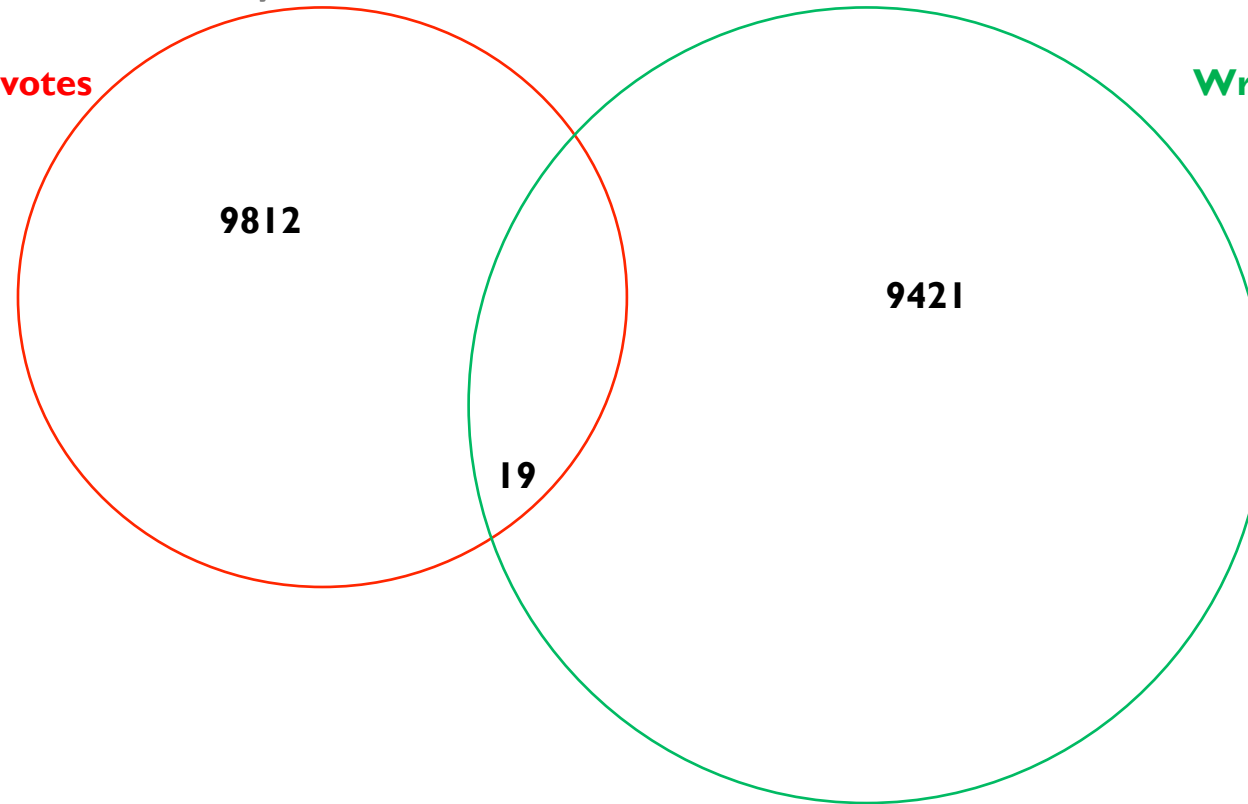
TRUMP
993,973

BIDEN
1,038,321

JORGENSEN
31,572

Undervotes
9831

Write Ins (9440)



PHASE II – Part 3

EchoMail® CVR Analysis of 28,645 Potential Modifications

IsVote

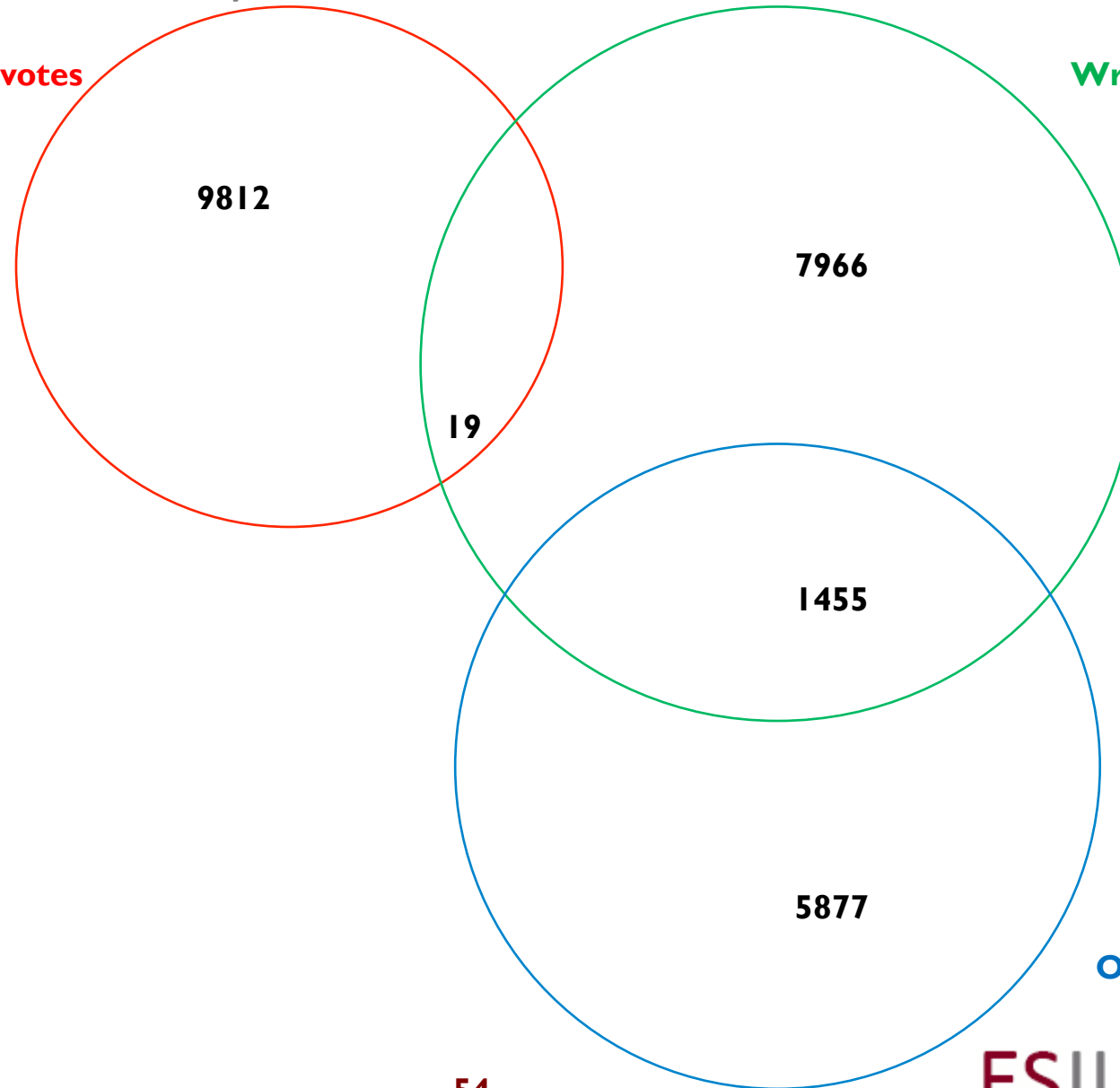
TRUMP
993,973

BIDEN
1,038,321

JORGENSEN
31,572

Undervotes
9831

Write Ins (9440)



PHASE II – Part 3

EchoMail® CVR Analysis of 28,645 Potential Modifications

IsVote

TRUMP
993,973

BIDEN
1,038,321

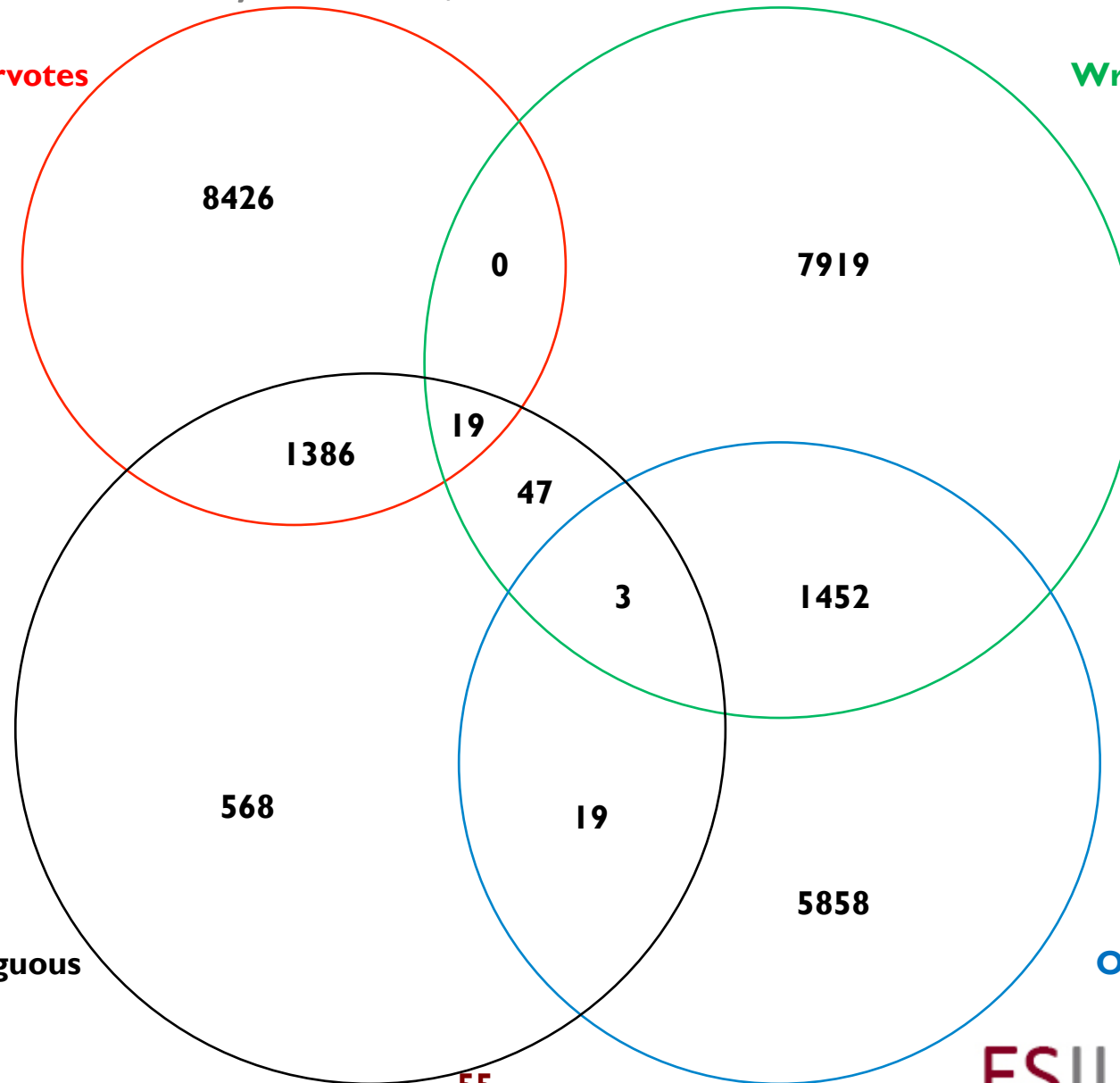
JORGENSEN
31,572

Undervotes
9831

Write Ins (9440)

Ambiguous
2042

Overvotes(7332)



PHASE II – Part 3

EchoMail® CVR Analysis of 28,645 Potential Modifications

IsVote

TRUMP
993,973

BIDEN
1,038,321

JORGENSEN
31,572

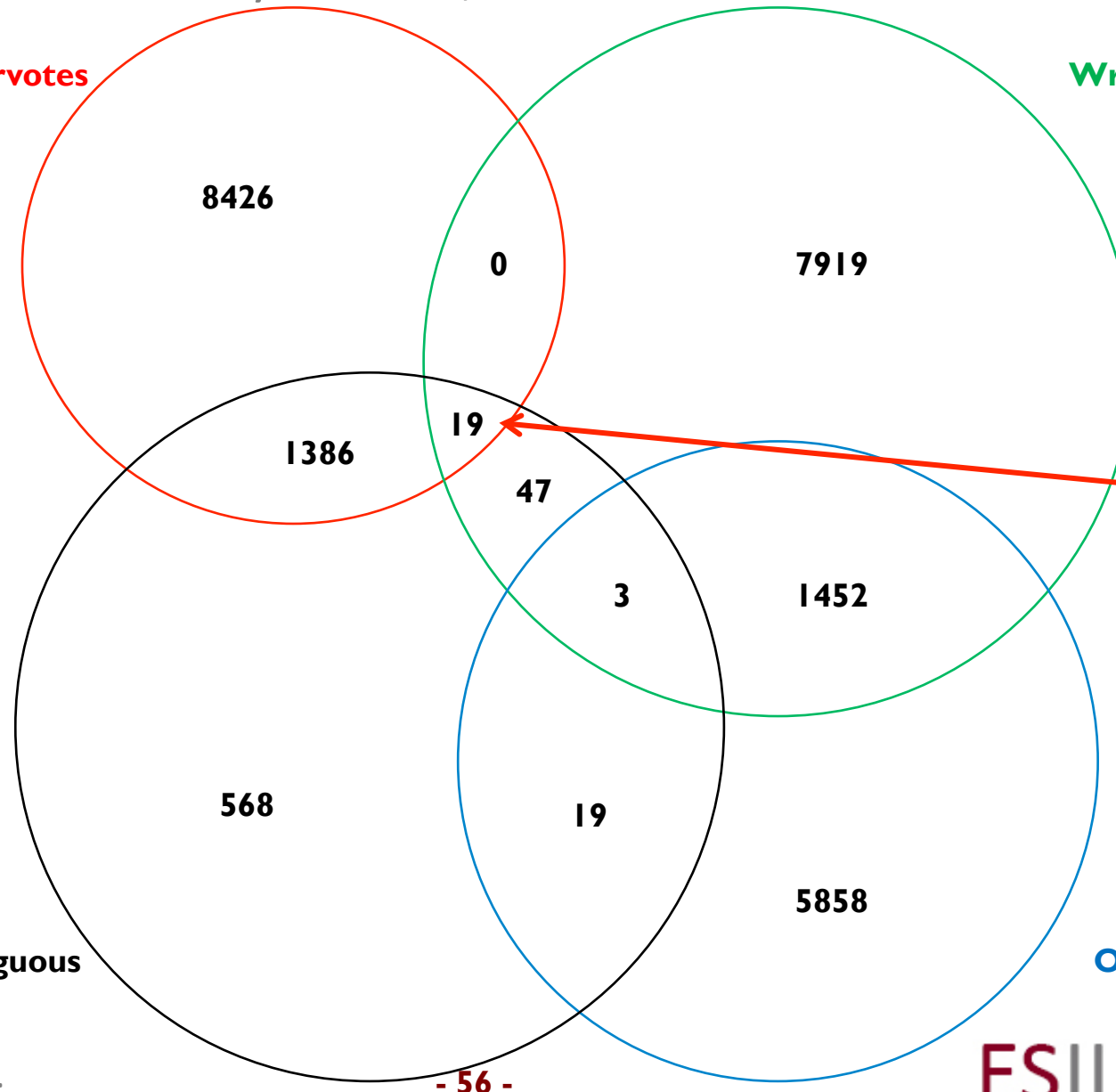
Undervotes
9831

Write Ins (9440)

Ambiguous
2042

Overvotes(7332)

These 19 are flagged as Undervote **AND** Write-In **AND** Ambiguous. These voters may have written in someone but not filled in a Oval.



- 56 -

PHASE II – Part 3

EchoMail® CVR Analysis of 28,645 Potential Modifications

IsVote

TRUMP
993,973

BIDEN
1,038,321

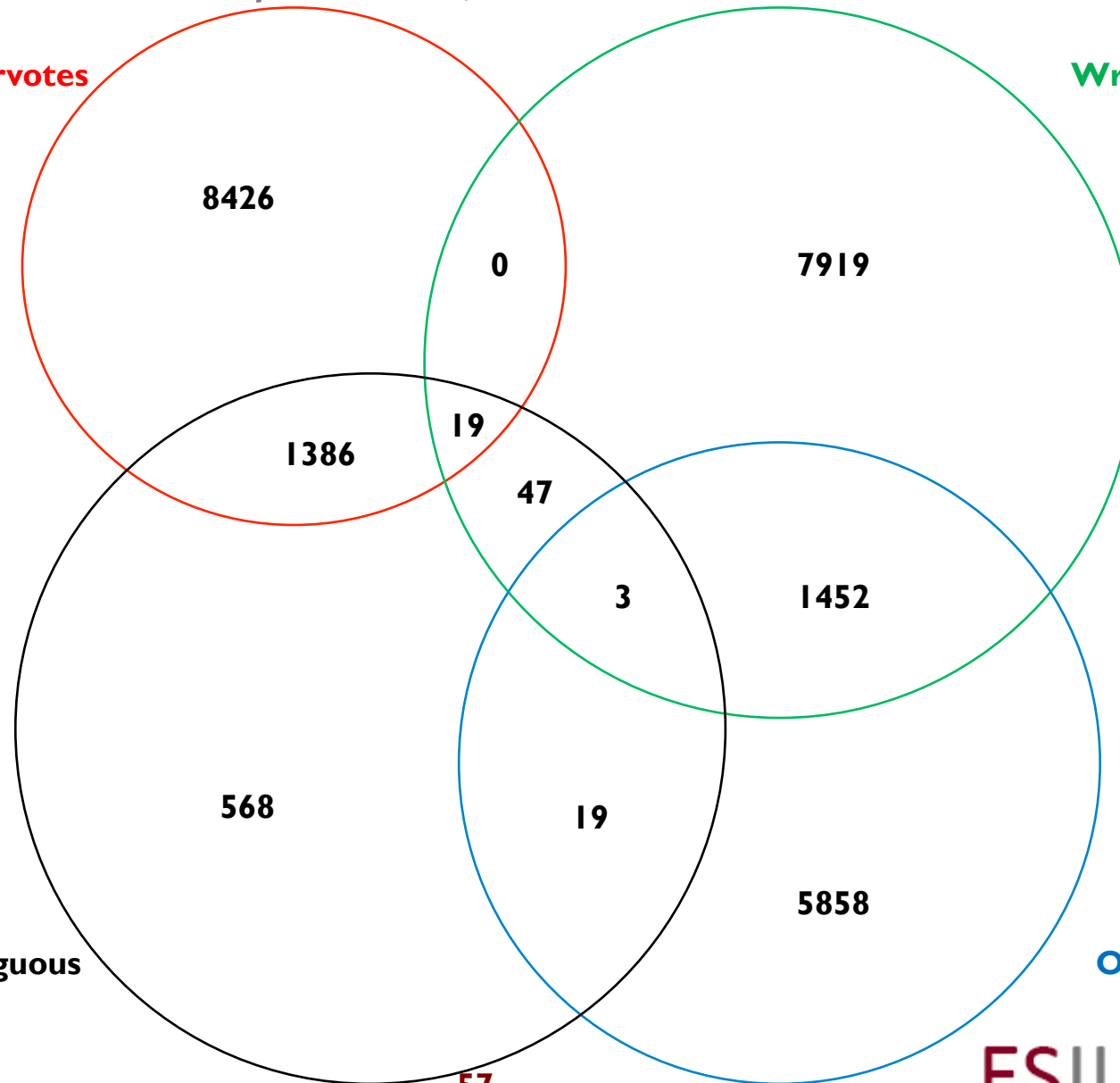
JORGENSEN
31,572

Undervotes
9831

Write Ins (9440)

Ambiguous
2042

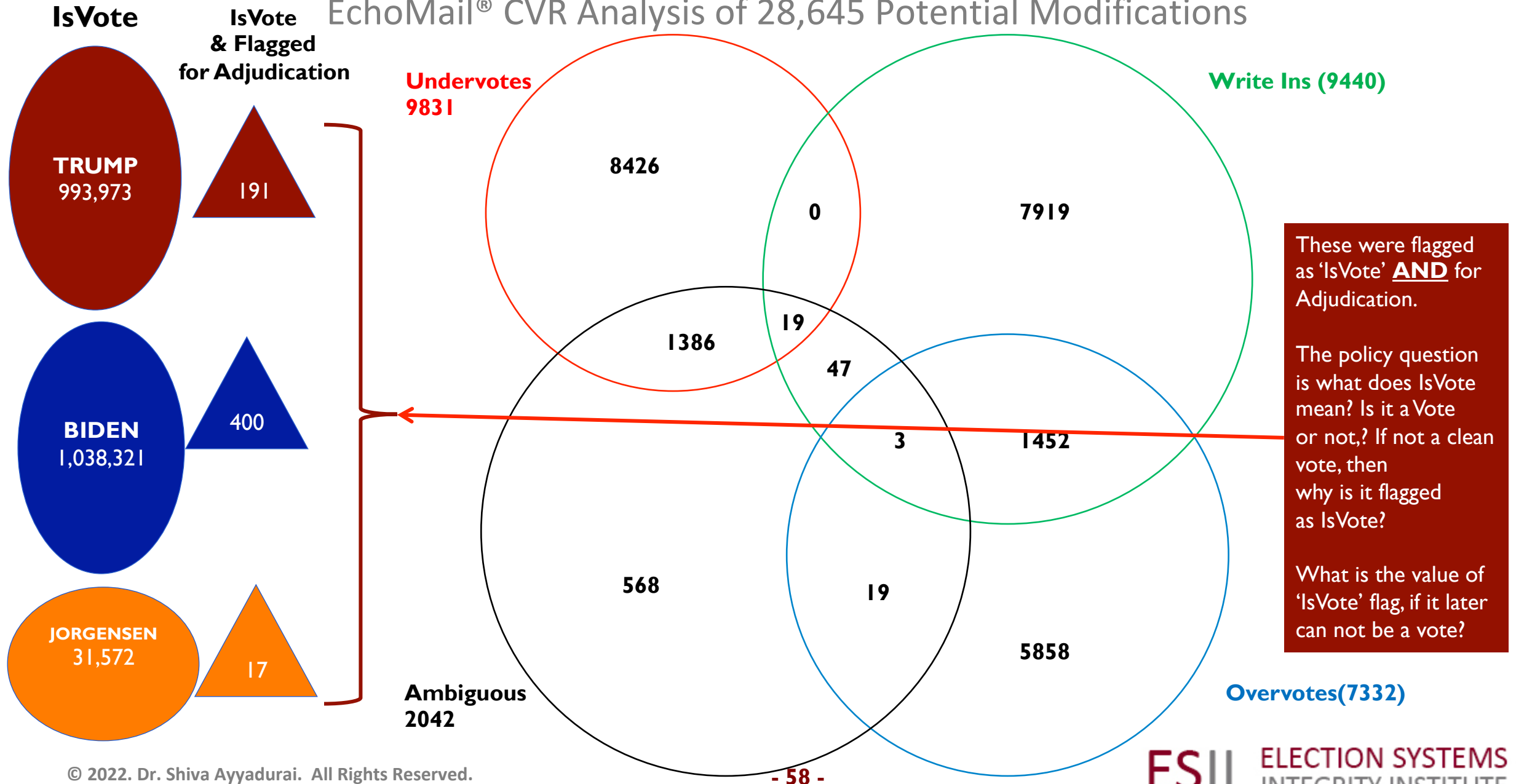
Overvotes(7332)



- 57 -

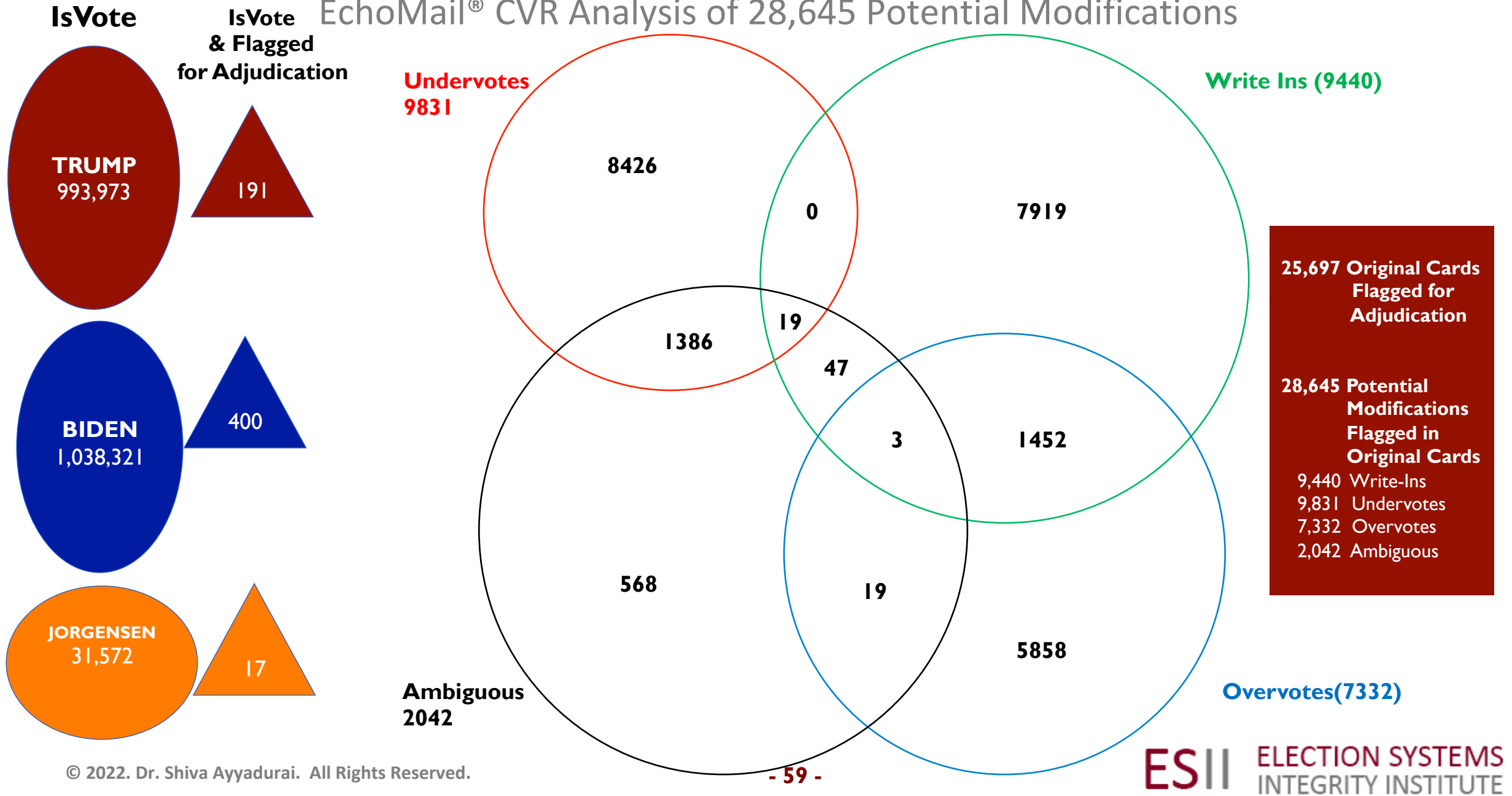
PHASE II – Part 3

EchoMail® CVR Analysis of 28,645 Potential Modifications



PHASE II – Part 3

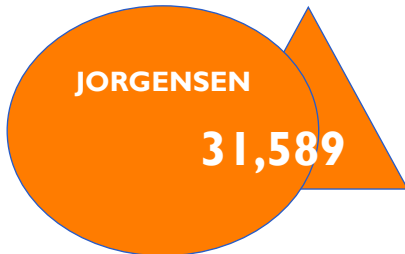
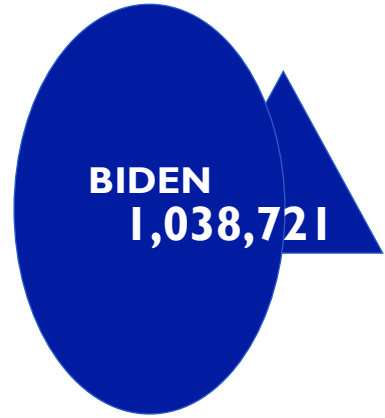
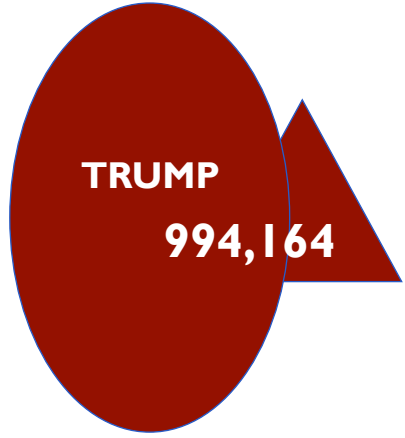
EchoMail® CVR Analysis of 28,645 Potential Modifications



PHASE II – Part 3

EchoMail® CVR Analysis of 28,645 Potential Modifications

Pure IsVotes
& IsVotes Flagged
for Adjudication

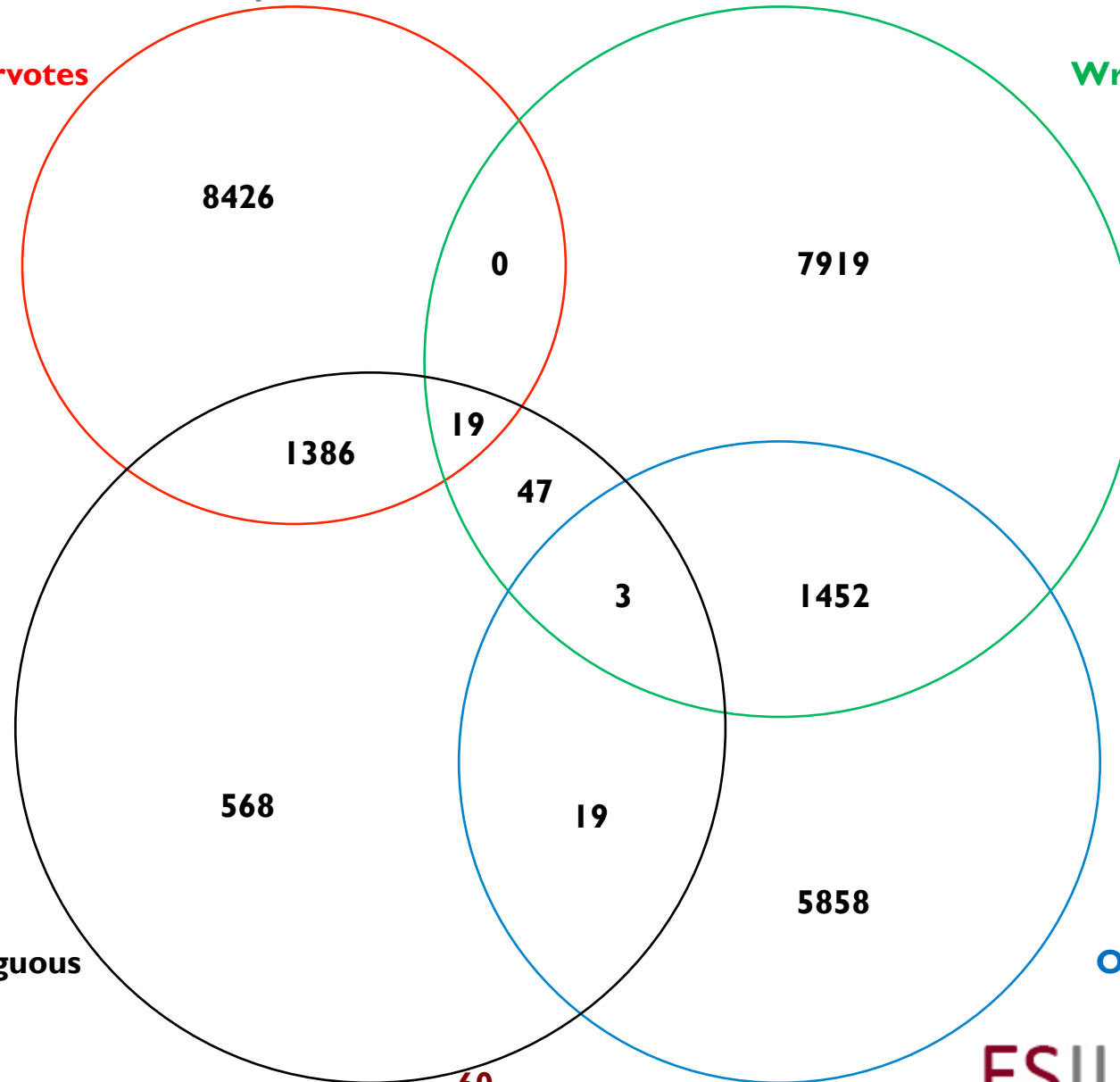


Undervotes
9831

Write Ins (9440)

Ambiguous
2042

Overvotes(7332)



PHASE II – Part 3 Summary

EchoMail® CVR Analysis of Potential Modifications Across 25,697 Original Cards Flagged for Adjudication By the Dominion Artificial Intelligence System

Item	EchoMail® CVR Analysis
“Pure” IsVotes Assigned to Candidates by Dominion A.I.	2,063,866
Trump	993,973
Biden	1,038,321
Jorgensen	31,572
Original Cards Flagged for Adjudication	25,697
Potential Modifications Flagged in Original Cards	28,645
Write-Ins	9,440
Undervotes	9,831
Overvotes	7,332
Ambiguous	2,042

PHASE II – Part 3 Summary

- The visual representation of EchoMail® CVR analysis provides a detailed understanding of the results of auditing the original cards PRIOR to adjudication.
- In this analysis, EchoMail discovered 608 original cards that were flagged as 'IsVote' for a candidate AND for Adjudication.
- An important policy question arises from this analysis: What does 'IsVote' mean? Is it a Vote or not? If not a *clean* vote, then why is it flagged as 'IsVote'?
- EchoMail prior to publishing this document did have conversation with two highly experienced election officials in Arizona and they were unable to provide answers to this question.
- EchoMail invites a conversation with County officials to have a discussion on the policy concerning the use of the 'IsVote'.

PHASE II – Part 3 Summary

Ballot Images of Trump IsVotes Also Flagged for Adjudication

TRUMP IsVOTE AND AMBIGUOUS #1

7-0386-00 - EV
07038600EE

0386 LUDDEN

OFFICIAL BALLOT

ELECTION TITLE:
GENERAL ELECTION

ELECTION DATE:
NOVEMBER 3, 2020

COUNTY OF MARICOPA, STATE OF ARIZONA

TO VOTE: COMPLETELY FILL THE OVAL(S) NEXT TO YOUR CHOICE(S), LIKE BELOW

DOE, JANE ☒

TO VOTE FOR A WRITE-IN CANDIDATE: PRINT THE NAME ATOP OF THE SHADED TEXT AND COMPLETELY FILL THE OVAL, LIKE BELOW

John Doe ☒

Refer to full text of propositions and questions posted in the polling place, printed on the sample ballot and provided with all mailed early ballots.

<p>1. Put a mark according to the instructions next to the name of each candidate for each office for whom you wish to vote.</p> <p>2. If you wish to vote for a person whose name is not printed on the ballot, write such name in the blank space provided on the ballot and put a mark according to the instructions next to the name so written.</p> <p>3. Put a mark according to the instructions next to the word "yes" or "for" for each proposition or question you wish to be adopted. Put a mark according to the instructions next to the word "no" or "against" for each proposition or question you wish not to be adopted.</p>	<p>COUNTY</p> <p>BOARD OF SUPERVISORS</p> <p>DISTRICT 4</p> <p>(VOTE FOR NOT MORE THAN 1)</p> <p>HICKMAN, CLINT L. (REP) <input checked="" type="radio"/></p> <p>STORY, SUZANNE (DEM) <input type="radio"/></p> <p>Write-In Candidate <input type="radio"/></p>	<p>WEST-MEC NO. 402</p> <p>DISTRICT 4</p> <p>(VOTE FOR NOT MORE THAN 1)</p> <p>BACHANOS, JEWELENE <input type="radio"/></p> <p>WYLLIE, BARBARA <input checked="" type="radio"/></p> <p>Write-In Candidate <input type="radio"/></p>
	<p>COUNTY ASSESSOR</p> <p>(VOTE FOR NOT MORE THAN 1)</p> <p>COOK, EDDIE (REP) <input checked="" type="radio"/></p> <p>CONNOR, AARON (DEM) <input type="radio"/></p> <p>Write-In Candidate <input type="radio"/></p>	<p>DYSART UNIF NO. 89</p> <p>SCHOOL GOVERNING BOARD MEMBER</p> <p>(VOTE FOR NOT MORE THAN 3)</p> <p>LEONARD, JAY DEAN <input type="radio"/></p> <p>MIETT, RHIANNON <input type="radio"/></p> <p>PRITCHARD, CHRISTINE A.K. <input type="radio"/></p>
	<p>COUNTY ATTORNEY</p> <p>(VOTE FOR NOT MORE THAN 1)</p> <p>ADEL, ALLISTER (REP) <input checked="" type="radio"/></p> <p>GUNNIGLE, JULIE (DEM) <input type="radio"/></p> <p>Write-In Candidate <input type="radio"/></p>	<p>WILSON, CHARLES R. <input checked="" type="radio"/></p> <p>CHAFFIN, CHRYSTAL L. <input checked="" type="radio"/></p> <p>GRANT, JO <input checked="" type="radio"/></p>
<p>COUNTY RECORDER</p> <p>(VOTE FOR NOT MORE THAN 1)</p> <p>RICHER, STEPHEN I. (REP) <input checked="" type="radio"/></p> <p>FONTES, ADRIAN P. (DEM) <input type="radio"/></p> <p>Write-In Candidate <input type="radio"/></p>	<p>QUESTION</p> <p>A "YES" vote shall authorize the Dysart Unified School District Governing Board to continue the existing maintenance and operation budget override authority and resulting tax.</p> <p>A "NO" vote shall not authorize the Dysart Unified School District Governing Board to continue the existing maintenance and operation budget override authority and resulting tax.</p> <p>BUDGET OVERRIDE CONTINUATION, YES <input type="radio"/></p> <p>BUDGET OVERRIDE CONTINUATION, NO <input checked="" type="radio"/></p>	
<p>UNITED STATES SENATOR</p> <p>TERM EXPIRES JANUARY 3, 2023</p> <p>(VOTE FOR NOT MORE THAN 1)</p> <p>MCSALLY, MARTHA (REP) <input checked="" type="radio"/></p> <p>KELLY, MARK (DEM) <input type="radio"/></p> <p>Write-In Candidate <input type="radio"/></p>	<p>COUNTY SCHOOL SUPERINTENDENT</p> <p>(VOTE FOR NOT MORE THAN 1)</p> <p>WATSON, STEVE (REP) <input checked="" type="radio"/></p> <p>CASTEEN, JEANNE M. (DEM) <input type="radio"/></p> <p>Write-In Candidate <input type="radio"/></p>	<p>JUSTICES OF THE SUPREME COURT</p>

Why did the Dominion A.I. mark this as 'IsVote' AND Ambiguous?

Should it not be JUST 'IsVote' or JUST Ambiguous?

If there is a doubt, then it should be JUST Ambiguous.

TRUMP IS VOTE AND AMBIGUOUS #2

7-0374-01 PURPLE - EV 0374 LOMA LINDA

07037401EE

OFFICIAL BALLOT

ELECTION TITLE: GENERAL ELECTION
ELECTION DATE: NOVEMBER 3, 2023
COUNTY OF MARICOPA, STATE OF ARIZONA

TO VOTE: COMPLETELY FILL THE OVAL(S) NEXT TO YOUR CHOICE(S), LIKE BELOW

TO VOTE FOR A WRITE-IN CANDIDATE: PRINT THE NAME ATOP OF THE SHADED TEXT AND COMPLETELY FILL THE OVAL, LIKE BELOW

DOE, JANE ☒ John Doe ☒

Refer to full text of propositions and questions posted in the polling place, printed on the sample ballot and provided with all mailed early ballots.

1. Put a mark according to the instructions next to the name of each candidate for each office for whom you wish to vote.
2. If you wish to vote for a person whose name is not printed on the ballot, write such name in the blank space provided on the ballot and put a mark according to the instructions next to the name so written.
3. Put a mark according to the instructions next to the word "yes" or "no" for each proposition or question you wish to be adopted. Put a mark according to the instructions next to the word "no" or "against" for each proposition or question you wish not to be adopted.

COUNTY		MARICOPA COUNTY
BOARD OF SUPERVISORS DISTRICT 3 (VOTE FOR NOT MORE THAN 1)	COMMUNITY COLLEGE DISTRICT AT-LARGE (VOTE FOR NOT MORE THAN 1)	
GATES, BILL SHANE (REP) <input checked="" type="radio"/>	BOGGS, SHELLI RICHARDSON <input type="radio"/>	
WALKER, WHITNEY (DEM) <input type="radio"/>	THOR, LINDA M. <input type="radio"/>	
Write-In Candidate <input type="radio"/>	Write-In Candidate <input type="radio"/>	
COUNTY ASSESSOR (VOTE FOR NOT MORE THAN 1)	PHOENIX UNION NO. 210 HIGH SCHOOL GOVERNING BOARD MEMBER (VOTE FOR NOT MORE THAN 1)	
COOK, EDDIE (REP) <input checked="" type="radio"/>	MARQUEZ, AARON <input type="radio"/>	
CONNOR, AARON (DEM) <input type="radio"/>	SHEPPARD, NEORA A. <input type="radio"/>	
Write-In Candidate <input type="radio"/>	Write-In Candidate <input type="radio"/>	
COUNTY ATTORNEY (VOTE FOR NOT MORE THAN 1)	ALSTON, LELA <input type="radio"/>	
ADEL, ALLISTER (REP) <input checked="" type="radio"/>	ANWAR, GIRMAR <input type="radio"/>	
GUNNIGLE, JULIE (DEM) <input type="radio"/>	CROSS, DEBBIE <input type="radio"/>	
Write-In Candidate <input type="radio"/>	Write-In Candidate <input type="radio"/>	
COUNTY RECORDER (VOTE FOR NOT MORE THAN 1)	CREIGHTON ELEM NO. 14 SCHOOL GOVERNING BOARD MEMBER 4 YEAR TERM (VOTE FOR NOT MORE THAN 3)	
RICHER, STEPHEN I. (REP) <input checked="" type="radio"/>	PECK, ALEXANDRA <input type="radio"/>	
FONTES, ADRIAN P. (DEM) <input type="radio"/>	RING, KATHRYN <input type="radio"/>	
Write-In Candidate <input type="radio"/>	Write-In Candidate <input type="radio"/>	
COUNTY SCHOOL SUPERINTENDENT (VOTE FOR NOT MORE THAN 1)	YOUNG, DONNA L. <input type="radio"/>	
WATSON, STEVE (REP) <input checked="" type="radio"/>	AYRES, HEATHER L. <input type="radio"/>	
CASTEEN, JEANNE M. (DEM) <input type="radio"/>	MCCALEB, LINDSEY <input type="radio"/>	
Write-In Candidate <input type="radio"/>	Write-In Candidate <input type="radio"/>	
SHERIFF (VOTE FOR NOT MORE THAN 1)	MCSHEFFREY, AMY <input type="radio"/>	
Write-In Candidate <input type="radio"/>	Write-In Candidate <input type="radio"/>	
Write-In Candidate <input type="radio"/>	Write-In Candidate <input type="radio"/>	

PARTISAN BALLOT

FEDERAL

PRESIDENTIAL ELECTORS
(VOTE FOR NOT MORE THAN 1)

TRUMP	PENCE	BIDEN	HARRIS	JORGENSEN	COHEN
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Write-In Candidate ☐

UNITED STATES SENATOR
TERM EXPIRES JANUARY 3, 2023
(VOTE FOR NOT MORE THAN 1)

MCSALLY, MARTHA (REP) ☒

KELLY, MARK (DEM) ☐

Write-In Candidate ☐

Why did the Dominion A.I.
not mark this exclusively as
Ambiguous?

TRUMP IS VOTE AND AMBIGUOUS #3

7-0661-00 - EV 0661 SWEETWATER

07066100EE

OFFICIAL BALLOT

ELECTION TITLE: GENERAL ELECTION
ELECTION DATE: NOVEMBER 3, 2020
COUNTY OF MARICOPA, STATE OF ARIZONA

TO VOTE: COMPLETELY FILL THE OVAL(S) NEXT TO YOUR CHOICE(S), LIKE BELOW
DOE, JANE ☒

TO VOTE FOR A WRITE-IN CANDIDATE: PRINT THE NAME ATOP OF THE SHADED TEXT AND COMPLETELY FILL THE OVAL, LIKE BELOW
John Doe ☒

Refer to full text of propositions and questions posted in the polling place, printed on the sample ballot and provided with all mailed early ballots.

COUNTY	PEORIA UNIF NO. 11
BOARD OF SUPERVISORS DISTRICT 4 (VOTE FOR NOT MORE THAN 1)	SCHOOL GOVERNING BOARD MEMBER (VOTE FOR NOT MORE THAN 3)
HICKMAN, CLINT L. (REP) <input checked="" type="radio"/>	WILLIAMS, CJ <input type="radio"/>
STORY, SUZANNE (DEM) <input type="radio"/>	BUSAM, LINDA J. <input checked="" type="radio"/>
Write-In Candidate <input type="radio"/>	FRANKLIN, KACIE S. <input type="radio"/>
COUNTY ASSESSOR (VOTE FOR NOT MORE THAN 1)	HILL, REBECCA JANE <input type="radio"/>
COOK, EDDIE (REP) <input checked="" type="radio"/>	HOBBS, KIRK <input type="radio"/>
CONNOR, AARON (DEM) <input type="radio"/>	SANDOVAL, DAVID M. <input type="radio"/>
Write-In Candidate <input type="radio"/>	SOLTER, DAVITA <input type="radio"/>
Write-In Candidate <input type="radio"/>	SORENSEN, BILL <input type="radio"/>
COUNTY ATTORNEY (VOTE FOR NOT MORE THAN 1)	UPDEGRAFF-DAY, DEVON NICOLE <input type="radio"/>
ADEL, ALLISTER (REP) <input checked="" type="radio"/>	Write-In Candidate <input type="radio"/>
GUNNIGLE, JULIE (DEM) <input type="radio"/>	Write-In Candidate <input type="radio"/>
Write-In Candidate <input type="radio"/>	QUESTION 1
COUNTY RECORDER (VOTE FOR NOT MORE THAN 1)	A "YES" vote shall authorize the Peoria Unified School District Governing Board to continue/extend the existing maintenance and operation budget override authority and the resulting tax.
RICHER, STEPHEN I. (REP) <input checked="" type="radio"/>	A "NO" vote shall not authorize the Peoria Unified School District Governing Board to continue/extend the existing maintenance and operation budget override authority and the resulting tax.
FONTES, ADRIAN P. (DEM) <input type="radio"/>	BUDGET OVERRRIDE CONTINUATION, YES <input type="radio"/>
Write-In Candidate <input type="radio"/>	BUDGET OVERRRIDE CONTINUATION, NO <input checked="" type="radio"/>
COUNTY SCHOOL SUPERINTENDENT (VOTE FOR NOT MORE THAN 1)	QUESTION 2
WATSON, STEVE (REP) <input checked="" type="radio"/>	A "YES" vote shall authorize the Peoria Unified School District Governing Board to issue and sell \$125,255,000 principal amount of general obligation bonds to be repaid with secondary property taxes.
CASTEEN, JEANNE M. (DEM) <input type="radio"/>	A "NO" vote shall not authorize the Peoria Unified School District Governing Board to issue and sell such bonds.
Write-In Candidate <input type="radio"/>	
SHERIFF (VOTE FOR NOT MORE THAN 1)	
Write-In Candidate <input type="radio"/>	

PARTISAN BALLOT

FEDERAL

PRESIDENTIAL ELECTORS
(VOTE FOR NOT MORE THAN 1)

TRUMP	PENCE	BIDEN	HARRIS	JORGENSEN	COHEN
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

Write-In Candidate ☐

UNITED STATES SENATOR
TERM EXPIRES JANUARY 3, 2023
(VOTE FOR NOT MORE THAN 1)

MCSALLY, MARTHA (REP) ☒

KELLY, MARK (DEM) ☐

Write-In Candidate ☐

Why did the Dominion A.I. not mark this exclusively as Ambiguous?

TRUMP IsVOTE AND AMBIGUOUS #4

7-0165-00 - EV 0165 DANYELL

07016500EE

OFFICIAL BALLOT

ELECTION TITLE: GENERAL ELECTION
ELECTION DATE: NOVEMBER 3, 2020
COUNTY OF MARICOPA, STATE OF ARIZONA

TO VOTE: COMPLETELY FILL THE OVAL(S) NEXT TO YOUR CHOICE(S). LIKE BELOW

TO VOTE FOR A WRITE-IN CANDIDATE: PRINT THE NAME ATOP OF THE SHADED TEXT AND COMPLETELY FILL THE OVAL, LIKE BELOW

DOE, JANE John Doe

Refer to full text of propositions and questions posted in the polling place, printed on the sample ballot and provided with all mailed early ballots.

COUNTY		MARICOPA COUNTY	
BOARD OF SUPERVISORS DISTRICT 1		COMMUNITY COLLEGE DISTRICT AT-LARGE	
(VOTE FOR NOT MORE THAN 1)		(VOTE FOR NOT MORE THAN 1)	
SELLERS, JACK W. (REP)	<input checked="" type="radio"/>	BOGGS, SHELLI RICHARDSON	<input type="radio"/>
HODGE, JEVIN D. (DEM)	<input type="radio"/>	THOR, LINDA M.	<input type="radio"/>
Write-In Candidate	<input type="radio"/>	Write-In Candidate	<input type="radio"/>
COUNTY ASSESSOR		MARICOPA COUNTY COMMUNITY COLLEGE DISTRICT 1	
(VOTE FOR NOT MORE THAN 1)		(VOTE FOR NOT MORE THAN 1)	
COOK, EDDIE (REP)	<input checked="" type="radio"/>	HENDRIX, LAURIN	<input type="radio"/>
CONNOR, AARON (DEM)	<input type="radio"/>	SMITH, JACQUELINE V.	<input type="radio"/>
Write-In Candidate	<input type="radio"/>	Write-In Candidate	<input type="radio"/>
COUNTY ATTORNEY		CHANDLER UNIF NO. 80	
(VOTE FOR NOT MORE THAN 1)		SCHOOL GOVERNING BOARD MEMBER	
ADEL, ALLISTER (REP)	<input checked="" type="radio"/>	(VOTE FOR NOT MORE THAN 3)	
GUNNIGLE, JULIE (DEM)	<input type="radio"/>	WIRTH, JOEL	<input type="radio"/>
Write-In Candidate	<input type="radio"/>	Write-In Candidate	<input type="radio"/>
COUNTY RECORDER		MOZDOEN, BARB	
(VOTE FOR NOT MORE THAN 1)		OLIVE, JASON	
RICHER, STEPHEN L. (REP)	<input checked="" type="radio"/>	Write-In Candidate	<input type="radio"/>
FONTES, ADRIAN P. (DEM)	<input type="radio"/>	Write-In Candidate	<input type="radio"/>
Write-In Candidate	<input type="radio"/>	Write-In Candidate	<input type="radio"/>
COUNTY SCHOOL SUPERINTENDENT		CITY OF CHANDLER	
(VOTE FOR NOT MORE THAN 1)		QUESTION 1	
WATSON, STEVE (REP)	<input checked="" type="radio"/>	Shall a franchise be granted to Southwest Gas Corporation for a term of 25 years to begin on January 1, 2021 through December 31, 2045, in accordance with Ordinance No. 4924 submitted by the Mayor and City Council of the City of Chandler, Arizona?	
CASTEEN, JEANNE M. (DEM)	<input type="radio"/>	FOR THE FRANCHISE	
Write-In Candidate	<input type="radio"/>	AGAINST THE FRANCHISE	
SHERIFF			
(VOTE FOR NOT MORE THAN 1)			
Write-In Candidate	<input type="radio"/>		

1. Put a mark according to the instructions next to the name of each candidate for each office for whom you wish to vote.

2. If you wish to vote for a person whose name is not printed on the ballot, write such name in the blank space provided on the ballot and put a mark according to the instructions next to the name so written.

3. Put a mark according to the instructions next to the word "yes" or "for" for each proposition or question you wish to be adopted. Put a mark according to the instructions next to the word "no" or "against" for each proposition or question you wish not to be adopted.

PARTISAN BALLOT

FEDERAL

PRESIDENTIAL ELECTORS

(VOTE FOR NOT MORE THAN 1)

TRUMP	PENCE	BIDEN	HARRIS	JORGENSEN	COHEN
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Write-In Candidate	<input type="radio"/>	Write-In Candidate	Write-In Candidate	Write-In Candidate	Write-In Candidate

UNITED STATES SENATOR
TERM EXPIRES JANUARY 3, 2023
(VOTE FOR NOT MORE THAN 1)

MCSALLY, MARTHA (REP) ☒

KELLY, MARK (DEM) ☐

Write-In Candidate ☐

Why did Dominion A.I. mark this as 'IsVote' for Trump and not JUST Ambiguous?

What are the density settings on how much an Oval is filled in comparison to another Oval to determine 'IsVote'?

TRUMP IsVOTE AND AMBIGUOUS #5

07010101EE

7-0101-01 PURPLE - EV

OFFICIAL BALLOT

ELECTION TITLE
GENERAL ELECTION

ELECTION DATE:
NOVEMBER 3, 2020

COUNTY OF MARICOPA, STATE OF ARIZONA

TO VOTE: COMPLETELY FILL THE
OVAL(S) NEXT TO YOUR CHOICE(S).
LIKE BELOW

DOE, JANE

TO VOTE FOR A WRITE-IN CANDIDATE:
PRINT THE NAME ATOP OF THE SHADED
TEXT AND COMPLETELY FILL THE OVAL.
LIKE BELOW

John Doe

Refer to full text of propositions and questions posted in the polling place, printed on the sample ballot and provided with all mailed early ballots.

- Put a mark according to the instructions next to the name of each candidate for each office for whom you wish to vote.
- If you wish to vote for a person whose name is not printed on the ballot, write such name in the blank space provided on the ballot and put a mark according to the instructions next to the name so written.
- Put a mark according to the instructions next to the word "yes" or "no" for each proposition or question you wish to be adopted. Put a mark according to the instructions next to the word "no" or "against" for each proposition or question you wish not to be adopted.

PARTISAN BALLOT

FEDERAL

PRESIDENTIAL ELECTORS

(VOTE FOR NOT MORE THAN 1)

BOBBIE TAYLOR
KOTTELIN LAMERY
MORTALIN JANE
COTTE, ANDREW T.
LUND, JAMES
MONTGOMERY, ROBERT

MICHAEL SAWYER
MELISSA LAMARE
SPAFFIN DREW
HARD, KELLY
HARD, MICHAEL

TRUMP

PENCE

(REP)

BIDEN

HARRIS

(DEM)

COLLARD, STEVE
KREIN, LISA ALBERTO
JACKSON, CHRISTINE
HOMER, ANDREA
LUND, STEPHANIE
ACQUARONE, JAMES

KEZ, JONATHAN
KOPPEL, MARY
KOPPEL, MARY
KOPPEL, MARY
KOPPEL, MARY

JORGENSEN

COHEN

(LBT)

BROWN, TERRY
BLITZ, THOMAS
LUND, ANDREW JAMES
GORE, ALEXANDER
KEL, JAMES
KEL, JAMES

MARCO, TERRY
MORTALIN, ROBERTA
SANTON, BRYAN
STANLEY, SCOTT
YONER, JONATHAN

Write-In Candidate

Write-In Candidate

Write-In Candidate

Write-In Candidate

Write-In Candidate

COUNTY

**BOARD OF SUPERVISORS
DISTRICT 1**

(VOTE FOR NOT MORE THAN 1)

SELLERS, JACK W. (REP)

HODGE, JEVIN D. (DEM)

COUNTY ASSESSOR

(VOTE FOR NOT MORE THAN 1)

COOK, EDDIE (REP)

CONNOR, AARON (DEM)

Write-In Candidate

COUNTY ATTORNEY

(VOTE FOR NOT MORE THAN 1)

ADEL, ALLISTER (REP)

GUNNIGLE, JULIE (DEM)

Write-In Candidate

COUNTY RECORDER

(VOTE FOR NOT MORE THAN 1)

RICHER, STEPHEN I. (REP)

FONTES, ADRIAN P. (DEM)

Write-In Candidate

COUNTY SCHOOL SUPERINTENDENT

(VOTE FOR NOT MORE THAN 1)

WATSON, STEVE (REP)

CASTEEN, JEANNE M. (DEM)

SHERIFF

(VOTE FOR NOT MORE THAN 1)

PROPOSITION 449

A measure referred to the voters of Maricopa County to authorize the continuation of a secondary property tax levy for the benefit of the Maricopa County Special Health Care District for twenty years, as authorized by law (Chapter 31, Title 48, Arizona Revised Statutes).

A "YES" vote will have the effect of continuation of the levy of a secondary property tax for the benefit of the Maricopa County Special Health Care District - which includes the public teaching hospital, the Arizona Burn Center, three behavioral health hospitals and 12 family health centers - for a period not to exceed twenty years, which tax is estimated at \$38 per year on a home assessed at \$200,000.

A "NO" vote will have the effect of not approving the continuation of the levy of a secondary property tax for the benefit of the Maricopa County Special Health Care District, which tax will expire without voter approval before August 2025.

YES

NO

**MARICOPA COUNTY
COMMUNITY COLLEGE DISTRICT
AT-LARGE**

(VOTE FOR NOT MORE THAN 1)

THOR, LINDA M.

BOGGS, SHELLI RICHARDSON

Write-In Candidate

**MARICOPA COUNTY COMMUNITY COLLEGE
DISTRICT
DISTRICT 1**

(VOTE FOR NOT MORE THAN 1)

HENDRIX, LAURIN

SMITH, JACQUELINE V.

Write-In Candidate

CHANDLER UNIF NO. 80

SCHOOL GOVERNING BOARD MEMBER

(VOTE FOR NOT MORE THAN 3)

MOZZDEN, BARR

Write-In Candidate

Write-In Candidate

**UNITED STATES SENATOR
TERM EXPIRES JANUARY 3, 2023
(VOTE FOR NOT MORE THAN 1)**

MCSALLY, MARTHA (REP)

KELLY, MARK (DEM)

Why did Dominion A.I. mark this as 'IsVote' for Biden and not JUST Ambiguous?

What are the density settings on how much an Oval is filled in comparison to another Oval to determine 'IsVote'?

PHASE II – Part 3 Summary

Ballot Images of Biden IsVotes Also Flagged for Adjudication

BIDEN IS VOTE AND AMBIGUOUS #1

7-0494-02 GREEN- EV 0494 PEGASUS

07049402EE

OFFICIAL BALLOT

ELECTION TITLE: GENERAL ELECTION
ELECTION DATE: NOVEMBER 3, 2020
COUNTY OF MARICOPA, STATE OF ARIZONA

TO VOTE: COMPLETELY FILL THE OVAL(S) NEXT TO YOUR CHOICE(S), LIKE BELOW

TO VOTE FOR A WRITE-IN CANDIDATE: PRINT THE NAME ATOP OF THE SHADED TEXT AND COMPLETELY FILL THE OVAL, LIKE BELOW

DOE, JANE ☒ John Doe ☒

Refer to full text of propositions and questions posted in the polling place, printed on the sample ballot and provided with all mailed early ballots.

1. Put a mark according to the instructions next to the name of each candidate for each office for whom you wish to vote.

2. If you wish to vote for a person whose name is not printed on the ballot, write such name in the blank space provided on the ballot and put a mark according to the instructions next to the name so written.

3. Put a mark according to the instructions next to the word "yes" or "no" for each proposition or question you wish to be adopted. Put a mark according to the instructions next to the word "no" or "against" for each proposition or question you wish not to be adopted.

COUNTY		MARICOPA COUNTY COMMUNITY COLLEGE DISTRICT AT-LARGE
BOARD OF SUPERVISORS DISTRICT 2 (VOTE FOR NOT MORE THAN 1)		
CHUCRI, STEVE (REP) <input type="radio"/>		THOR, LINDA M. <input type="radio"/>
ABBODD, DEEDRA (DEM) <input checked="" type="radio"/>		BOGGS, SHELLI RICHARDSON <input type="radio"/>
Write-In Candidate <input type="radio"/>		Write-In Candidate <input type="radio"/>
COUNTY ASSESSOR (VOTE FOR NOT MORE THAN 1)		MESA UNIF NO. 4
COOK, EDDIE (REP) <input type="radio"/>		SCHOOL GOVERNING BOARD MEMBER (VOTE FOR NOT MORE THAN 3)
CONNOR, AARON (DEM) <input checked="" type="radio"/>		STEINER, CARA SCHNEPP <input type="radio"/>
Write-In Candidate <input type="radio"/>		CRANDALL, RICH <input type="radio"/>
COUNTY ATTORNEY (VOTE FOR NOT MORE THAN 1)		ELLINGSON, LARA SALMON <input type="radio"/>
ADEL, ALLISTER (REP) <input type="radio"/>		JOHNSON, VIKKI R. <input type="radio"/>
GUNNIGLE, JULIE (DEM) <input checked="" type="radio"/>		O'REILLY, JOE <input type="radio"/>
Write-In Candidate <input type="radio"/>		SEARS, KIANA MARIA <input type="radio"/>
COUNTY RECORDER (VOTE FOR NOT MORE THAN 1)		Write-In Candidate <input type="radio"/>
RICHER, STEPHEN L. (REP) <input type="radio"/>		Write-In Candidate <input type="radio"/>
FONTES, ADRIAN P. (DEM) <input checked="" type="radio"/>		TOWN OF GILBERT
Write-In Candidate <input type="radio"/>		MAYOR (VOTE FOR NOT MORE THAN 1)
COUNTY SCHOOL SUPERINTENDENT (VOTE FOR NOT MORE THAN 1)		PETERSON, BRIGETTE <input checked="" type="radio"/>
WATSON, STEVE (REP) <input type="radio"/>		NIELSEN, MATT <input type="radio"/>
CASTEEN, JEANNE M. (DEM) <input checked="" type="radio"/>		JUSTICES OF THE SUPREME COURT
Write-In Candidate <input type="radio"/>		Should the following Justices of the Supreme Court of Arizona be retained in office?
UNITED STATES SENATOR TERM EXPIRES JANUARY 3, 2023 (VOTE FOR NOT MORE THAN 1)		
MCSALLY, MARTHA (REP) <input type="radio"/>		
KELLY, MARK (DEM) <input checked="" type="radio"/>		
Write-In Candidate <input type="radio"/>		
SHERIFF (VOTE FOR NOT MORE THAN 1)		
Write-In Candidate <input type="radio"/>		
	Retain:	YES <input type="radio"/>

Why did Dominion A.I. mark this as 'IsVote' for Biden and not JUST Ambiguous?

What are the density settings on how much an Oval is filled in comparison to another Oval to determine 'IsVote'?

BIDEN IsVOTE AND AMBIGUOUS #2

7-0207-00 - EV 0207 DWIGHT

07020700EE

OFFICIAL BALLOT

ELECTION TITLE: GENERAL ELECTION
ELECTION DATE: NOVEMBER 3, 2020
COUNTY OF MARICOPA, STATE OF ARIZONA

TO VOTE: COMPLETELY FILL THE OVAL(S) NEXT TO YOUR CHOICE(S), LIKE BELOW
DOE, JANE ☒

TO VOTE FOR A WRITE-IN CANDIDATE: PRINT THE NAME ATOP OF THE SHADED TEXT AND COMPLETELY FILL THE OVAL, LIKE BELOW
John Doe ☒

Refer to full text of propositions and questions posted in the polling place, printed on the sample ballot and provided with all mailed early ballots.

<p>1. Put a mark according to the instructions next to the name of each candidate for each office for whom you wish to vote.</p> <p>2. If you wish to vote for a person whose name is not printed on the ballot, write such name in the blank space provided on the ballot and put a mark according to the instructions next to the name so written.</p> <p>3. Put a mark according to the instructions next to the word "yes" or "for" for each proposition or question wish to be adopted. Put a mark according to the instructions next to the word "no" or "against" for each proposition or question you wish not to be adopted.</p>	<p>COUNTY</p> <p>BOARD OF SUPERVISORS</p> <p>DISTRICT 1</p> <p>(VOTE FOR NOT MORE THAN 1)</p> <p>SELLERS, JACK W. (REP) <input type="radio"/></p> <p>HODGE, JEVIN D. (DEM) <input checked="" type="radio"/></p> <p>Write-In Candidate <input type="radio"/></p>	<p>MARICOPA COUNTY</p> <p>COMMUNITY COLLEGE DISTRICT</p> <p>AT-LARGE</p> <p>(VOTE FOR NOT MORE THAN 1)</p> <p>BOGGS, SHELLI RICHARDSON <input type="radio"/></p> <p>THOR, LINDA M. <input type="radio"/></p> <p>Write-In Candidate <input type="radio"/></p>
	<p>COUNTY ASSESSOR</p> <p>(VOTE FOR NOT MORE THAN 1)</p> <p>COOK, EDDIE (REP) <input type="radio"/></p> <p>CONNOR, AARON (DEM) <input checked="" type="radio"/></p> <p>Write-In Candidate <input type="radio"/></p>	<p>MARICOPA COUNTY COMMUNITY COLLEGE</p> <p>DISTRICT 1</p> <p>(VOTE FOR NOT MORE THAN 1)</p> <p>SMITH, JACQUELINE V. <input type="radio"/></p> <p>HENDRIX, LAURIN <input checked="" type="radio"/></p> <p>Write-In Candidate <input type="radio"/></p>
	<p>COUNTY ATTORNEY</p> <p>(VOTE FOR NOT MORE THAN 1)</p> <p>ADEL, ALLISTER (REP) <input type="radio"/></p> <p>GUNNIGLE, JULIE (DEM) <input checked="" type="radio"/></p> <p>Write-In Candidate <input type="radio"/></p>	<p>TEMPE UNION NO. 213</p> <p>HIGH SCHOOL GOVERNING BOARD MEMBER</p> <p>(VOTE FOR NOT MORE THAN 3)</p> <p>FLETCHER, DON <input type="radio"/></p> <p>HODGE, BERDETTA B. <input checked="" type="radio"/></p> <p>JAMES, SARAH LINDSAY <input type="radio"/></p> <p>LOWE, SANDY K. <input checked="" type="radio"/></p> <p>MONTERO, ARMANDO A. <input checked="" type="radio"/></p> <p>MYRICK, MICHAEL RYAN <input type="radio"/></p> <p>REESOR, PAIGE <input type="radio"/></p> <p>BASTIAN, LORI <input type="radio"/></p> <p>WATSON, STEVE (REP) <input type="radio"/></p> <p>CASTEEN, JEANNE M. (DEM) <input checked="" type="radio"/></p> <p>Write-In Candidate <input type="radio"/></p>
<p>PARTISAN BALLOT</p> <p>FEDERAL</p> <p>PRESIDENTIAL ELECTORS</p> <p>(VOTE FOR NOT MORE THAN 1)</p> <p>TRUMP <input type="radio"/></p> <p>PENCE (REP) <input type="radio"/></p> <p>BIDEN <input checked="" type="radio"/></p> <p>HARRIS (DEM) <input type="radio"/></p> <p>JORGENSEN <input type="radio"/></p> <p>COHEN (LBT) <input type="radio"/></p> <p>Write-In Candidate <input type="radio"/></p>	<p>UNITED STATES SENATOR</p> <p>TERM EXPIRES JANUARY 3, 2023</p> <p>(VOTE FOR NOT MORE THAN 1)</p> <p>MCSALLY, MARTHA (REP) <input type="radio"/></p> <p>KELLY, MARK (DEM) <input checked="" type="radio"/></p> <p>Write-In Candidate <input type="radio"/></p>	<p>SHERIFF</p> <p>(VOTE FOR NOT MORE THAN 1)</p> <p>TEMPE ELEM NO. 3</p> <p>SCHOOL GOVERNING BOARD MEMBER</p>

Why did Dominion A.I. mark this as 'IsVote' for Biden and not JUST Ambiguous?

BIDEN IsVOTE AND AMBIGUOUS #3

7-0490-01 PURPLE - EV 0490 PEBBLE CREEK

07049001EE

OFFICIAL BALLOT

ELECTION TITLE: GENERAL ELECTION
ELECTION DATE: NOVEMBER 3, 2020
COUNTY OF MARICOPA, STATE OF ARIZONA

TO VOTE: COMPLETELY FILL THE OVAL(S) NEXT TO YOUR CHOICE(S), LIKE BELOW

TO VOTE FOR A WRITE-IN CANDIDATE: PRINT THE NAME ATOP OF THE SHADED TEXT AND COMPLETELY FILL THE OVAL, LIKE BELOW

DOE, JANE John Doe

Refer to full text of propositions and questions posted in the polling place, printed on the sample ballot and provided with all mailed early ballots.

1. Put a mark according to the instructions next to the name of each candidate for each office for whom you wish to vote.

2. If you wish to vote for a person whose name is not printed on the ballot, write such name in the blank space provided on the ballot and put a mark according to the instructions next to the name so written.

3. Put a mark according to the instructions next to the word "yes" or "for" for each proposition or question you wish to be adopted. Put a mark according to the instructions next to the word "no" or "against" for each proposition or question you wish not to be adopted.

COUNTY	LITCHFIELD ELEM NO. 79
BOARD OF SUPERVISORS DISTRICT 4 (VOTE FOR NOT MORE THAN 1)	SCHOOL GOVERNING BOARD MEMBER (VOTE FOR NOT MORE THAN 3)
HICKMAN, CLINT L. (REP) <input type="radio"/>	ZUIDEMA, MELISSA A. <input checked="" type="radio"/>
STORY, SUZANNE (DEM) <input checked="" type="radio"/>	CLYMER, DANIELLE E. <input checked="" type="radio"/>
Write-in Candidate <input type="radio"/>	HOENACK, A. JEREMY <input checked="" type="radio"/>
COUNTY ASSESSOR (VOTE FOR NOT MORE THAN 1)	Write-in Candidate <input type="radio"/>
COOK, EDDIE (REP) <input type="radio"/>	Write-in Candidate <input type="radio"/>
CONNOR, AARON (DEM) <input checked="" type="radio"/>	JUSTICES OF THE SUPREME COURT (VOTE FOR NOT MORE THAN 3)
Write-in Candidate <input type="radio"/>	BRUTINEL, ROBERT <input checked="" type="radio"/>
COUNTY ATTORNEY (VOTE FOR NOT MORE THAN 1)	ADEL, ALLISTER (REP) <input type="radio"/>
GUNNIGLE, JULIE (DEM) <input checked="" type="radio"/>	Write-in Candidate <input type="radio"/>
Write-in Candidate <input type="radio"/>	COUNTY RECORDER (VOTE FOR NOT MORE THAN 1)
COUNTY SCHOOL SUPERINTENDENT (VOTE FOR NOT MORE THAN 1)	WATSON, STEVE (REP) <input type="radio"/>
WATSON, STEVE (REP) <input type="radio"/>	CASTEEN, JEANNE M. (DEM) <input checked="" type="radio"/>
CASTEEN, JEANNE M. (DEM) <input checked="" type="radio"/>	Write-in Candidate <input type="radio"/>
Write-in Candidate <input type="radio"/>	SHERIFF (VOTE FOR NOT MORE THAN 1)
UNITED STATES SENATOR TERM EXPIRES JANUARY 3, 2023 (VOTE FOR NOT MORE THAN 1)	MORSE JR., JAMES <input type="radio"/>
MCSALLY, MARTHA (REP) <input type="radio"/>	
KELLY, MARK (DEM) <input checked="" type="radio"/>	
Write-in Candidate <input type="radio"/>	

Why did Dominion A.I. mark this as 'IsVote' for Biden and not JUST Ambiguous?

BIDEN IsVOTE AND AMBIGUOUS #4

7-0733-01 PURPLE - EV 0733 WILDER

07073301EE

OFFICIAL BALLOT

ELECTION TITLE
GENERAL ELECTION
ELECTION DATE:
NOVEMBER 3, 2020
COUNTY OF MARICOPA, STATE OF ARIZONA

TO VOTE: COMPLETELY FILL THE OVAL(S) NEXT TO YOUR CHOICE(S), LIKE BELOW

TO VOTE FOR A WRITE-IN CANDIDATE: PRINT THE NAME ATOP OF THE SHADED TEXT AND COMPLETELY FILL THE OVAL, LIKE BELOW

DOE, JANE ☒ John Doe ☒

Refer to full text of propositions and questions posted in the polling place, printed on the sample ballot and provided with all mailed early ballots.

1. Put a mark according to the instructions next to the name of each candidate for each office for whom you wish to vote.
2. If you wish to vote for a person whose name is not printed on the ballot, write such name in the blank space provided on the ballot and put a mark according to the instructions next to the name so written.
3. Put a mark according to the instructions next to the word "yes" or "for" for each proposition or question you wish to be adopted. Put a mark according to the instructions next to the word "no" or "against" for each proposition or question you wish not to be adopted.

COUNTY		MARICOPA COUNTY
BOARD OF SUPERVISORS DISTRICT 3 (VOTE FOR NOT MORE THAN 1)	GATES, BILL SHANE (REP) <input type="radio"/>	THOR, LINDA M. <input type="radio"/>
WALKER, WHITNEY (DEM) <input checked="" type="radio"/>	BOGGS, SHELLI RICHARDSON <input type="radio"/>	
Write-In Candidate <input type="radio"/>	Write-In Candidate <input type="radio"/>	
COUNTY ASSESSOR (VOTE FOR NOT MORE THAN 1)	COOK, EDDIE (REP) <input type="radio"/>	CONOR, AARON (DEM) <input checked="" type="radio"/>
CROSS, DEBBIE <input type="radio"/>	MARQUEZ, AARON <input type="radio"/>	
Write-In Candidate <input type="radio"/>	Write-In Candidate <input type="radio"/>	
COUNTY ATTORNEY (VOTE FOR NOT MORE THAN 1)	ADEL, ALLISTER (REP) <input type="radio"/>	GUNNIGLE, JULIE (DEM) <input checked="" type="radio"/>
Write-In Candidate <input type="radio"/>	Write-In Candidate <input type="radio"/>	
COUNTY RECORDER (VOTE FOR NOT MORE THAN 1)	RICHER, STEPHEN I. (REP) <input type="radio"/>	FONTES, ADRIAN P. (DEM) <input checked="" type="radio"/>
Write-In Candidate <input type="radio"/>	Write-In Candidate <input type="radio"/>	
COUNTY SCHOOL SUPERINTENDENT (VOTE FOR NOT MORE THAN 1)	WATSON, STEVE (REP) <input type="radio"/>	CASTEEN, JEANNE M. (DEM) <input checked="" type="radio"/>
Write-In Candidate <input type="radio"/>	Write-In Candidate <input type="radio"/>	
UNITED STATES SENATOR TERM EXPIRES JANUARY 3, 2023 (VOTE FOR NOT MORE THAN 1)	MCSALLY, MARTHA (REP) <input type="radio"/>	KELLY, MARK (DEM) <input checked="" type="radio"/>
Write-In Candidate <input type="radio"/>	Write-In Candidate <input type="radio"/>	
SHERIFF (VOTE FOR NOT MORE THAN 1)		MAYOR (VOTE FOR NOT MORE THAN 1)

Why did Dominion A.I. mark this as 'IsVote' for Biden and not JUST Ambiguous?

BIDEN IsVOTE AND AMBIGUOUS #5

7-0229-01 PURPLE - EV 0229 EUCLID

07022901EE

OFFICIAL BALLOT

ELECTION TITLE
GENERAL ELECTION
ELECTION DATE
NOVEMBER 3, 2020
COUNTY OF MARICOPA, STATE OF ARIZONA

TO VOTE: COMPLETELY FILL THE OVAL(S) NEXT TO YOUR CHOICE(S), LIKE BELOW

TO VOTE FOR A WRITE-IN CANDIDATE: PRINT THE NAME ATOP OF THE SHADED TEXT AND COMPLETELY FILL THE OVAL, LIKE BELOW

DOE, JANE ☒ John Doe ☒

Refer to full text of propositions and questions posted in the polling place, printed on the sample ballot and provided with all mailed early ballots.

COUNTY	PHOENIX UNION NO. 210
BOARD OF SUPERVISORS DISTRICT 5 (VOTE FOR NOT MORE THAN 1)	HIGH SCHOOL GOVERNING BOARD MEMBER (VOTE FOR NOT MORE THAN 1)
GALLARDO, STEVE (DEM) <input type="radio"/>	CROSS, DEBBIE <input type="radio"/>
Write-In Candidate <input type="radio"/>	MARQUEZ, AARON <input checked="" type="radio"/>
COUNTY ASSESSOR (VOTE FOR NOT MORE THAN 1)	SHEPPARD, NEDRA A. <input type="radio"/>
COOK, EDDIE (REP) <input type="radio"/>	ALSTON, LELA <input type="radio"/>
CONNOR, AARON (DEM) <input type="radio"/>	ANWAR, GIRMAR <input type="radio"/>
Write-In Candidate <input type="radio"/>	Write-In Candidate <input type="radio"/>
PARTISAN BALLOT	ROOSEVELT ELEM NO. 66
FEDERAL	SCHOOL GOVERNING BOARD MEMBER (VOTE FOR NOT MORE THAN 3)
PRESIDENTIAL ELECTORS (VOTE FOR NOT MORE THAN 1)	ROBINSON, LAWRENCE A. <input type="radio"/>
TRUMP <input type="radio"/>	Write-In Candidate <input type="radio"/>
PENCE (REP) <input type="radio"/>	Write-In Candidate <input type="radio"/>
BIDEN <input checked="" type="radio"/>	Write-In Candidate <input checked="" type="radio"/>
HARRIS (DEM) <input type="radio"/>	Write-In Candidate <input type="radio"/>
JORGENSEN <input checked="" type="radio"/>	QUESTION
COHEN (LBT) <input type="radio"/>	A "YES" vote shall authorize the Roosevelt Elementary School District Governing Board to issue and sell \$90,000,000 of school improvement bonds of the District to be repaid with secondary property taxes.
Write-In Candidate <input type="radio"/>	A "NO" vote shall not authorize the Roosevelt Elementary School District Governing Board to issue and sell such bonds of the District.
COUNTY SCHOOL SUPERINTENDENT (VOTE FOR NOT MORE THAN 1)	BOND APPROVAL, YES <input checked="" type="radio"/>
WATSON, STEVE (REP) <input type="radio"/>	BOND APPROVAL, NO <input type="radio"/>
CASTEEN, JEANNE M. (DEM) <input type="radio"/>	CITY OF PHOENIX
Write-In Candidate <input type="radio"/>	MAYOR (VOTE FOR NOT MORE THAN 1)
MCSALLY, MARTHA (REP) <input type="radio"/>	HAMILTON, MERISSA <input type="radio"/>
KELLY, MARK (DEM) <input checked="" type="radio"/>	SEAY, TIM <input type="radio"/>
Write-In Candidate <input type="radio"/>	
SHERIDAN, JERRY (REP) <input type="radio"/>	

Why did Dominion A.I. mark this as 'IsVote' for Biden and not JUST Ambiguous?

What are the density settings on how much an Oval is filled in comparison to another Oval to determine 'IsVote'?

PHASE II – Part 3 Summary

Ballot Images of Jorgensen IsVotes Also Flagged for Adjudication

JORGENSEN IsVOTE AND AMBIGUOUS #1

7-0048-00 - EV 0048 BILTMORE

07004800EE

OFFICIAL BALLOT

ELECTION TITLE: GENERAL ELECTION
ELECTION DATE: NOVEMBER 3, 2020
COUNTY OF MARICOPA, STATE OF ARIZONA

TO VOTE: COMPLETELY FILL THE OVAL(S) NEXT TO YOUR CHOICE(S), LIKE BELOW
DOE, JANE

TO VOTE FOR A WRITE-IN CANDIDATE: PRINT THE NAME ATOP OF THE SHADED TEXT AND COMPLETELY FILL THE OVAL, LIKE BELOW
John Doe

Refer to full text of propositions and questions posted in the polling place, printed on the sample ballot and provided with all mailed early ballots.

COUNTY BOARD OF SUPERVISORS DISTRICT 3 (VOTE FOR NOT MORE THAN 1) GATES, BILL SHANE (REP) <input checked="" type="radio"/> WALKER, WHITNEY (DEM) <input type="radio"/> Write-In Candidate <input type="radio"/>		MARICOPA COUNTY COMMUNITY COLLEGE DISTRICT AT-LARGE (VOTE FOR NOT MORE THAN 1) BOGGS, SHELLI RICHARDSON <input checked="" type="radio"/> THOR, LINDA M. <input type="radio"/> Write-In Candidate <input type="radio"/>
COUNTY ASSESSOR (VOTE FOR NOT MORE THAN 1) COOK, EDDIE (REP) <input checked="" type="radio"/> CONNOR, AARON (DEM) <input type="radio"/> Write-In Candidate <input type="radio"/>		PHOENIX UNION NO. 210 HIGH SCHOOL GOVERNING BOARD MEMBER (VOTE FOR NOT MORE THAN 1) SHEPPARD, NEDRA A. <input type="radio"/> ALSTON, LELA <input checked="" type="radio"/> Write-In Candidate <input type="radio"/>
COUNTY ATTORNEY (VOTE FOR NOT MORE THAN 1) ADEL, ALLISTER (REP) <input checked="" type="radio"/> GUNNIGLE, JULIE (DEM) <input type="radio"/> Write-In Candidate <input type="radio"/>		MADISON ELEM NO. 38 SCHOOL GOVERNING BOARD MEMBER (VOTE FOR NOT MORE THAN 3) GRESS, MATT <input checked="" type="radio"/> HOLCOMB, SCOTT <input checked="" type="radio"/> SPEER, SARAH W. <input type="radio"/> GRESHAM, KAREN A. <input checked="" type="radio"/> Write-In Candidate <input type="radio"/>
COUNTY RECORDER (VOTE FOR NOT MORE THAN 1) RICHER, STEPHEN I. (REP) <input checked="" type="radio"/> FONTES, ADRIAN P. (DEM) <input type="radio"/> Write-In Candidate <input type="radio"/>		CITY OF PHOENIX MAYOR (VOTE FOR NOT MORE THAN 1) Write-In Candidate <input type="radio"/>
COUNTY SCHOOL SUPERINTENDENT (VOTE FOR NOT MORE THAN 1) WATSON, STEVE (REP) <input checked="" type="radio"/> CASTEEN, JEANNE M. (DEM) <input type="radio"/> Write-In Candidate <input type="radio"/>		
UNITED STATES SENATOR TERM EXPIRES JANUARY 3, 2023 (VOTE FOR NOT MORE THAN 1) MCSALLY, MARTHA (REP) <input checked="" type="radio"/> KELLY, MARK (DEM) <input type="radio"/> Write-In Candidate <input type="radio"/>		
PARTISAN BALLOT FEDERAL PRESIDENTIAL ELECTORS (VOTE FOR NOT MORE THAN 1) TRUMP <input checked="" type="radio"/> BIDEN <input type="radio"/> HARRIS <input type="radio"/> JORGENSEN <input checked="" type="radio"/> COHEN <input type="radio"/> (LBT) Write-In Candidate <input type="radio"/>		

Why did Dominion A.I. mark this as 'IsVote' for Jorgensen and not JUST Ambiguous?

What are the density settings on how much an Oval is filled in comparison to another Oval to determine 'IsVote'?

JORGENSEN IsVOTE AND AMBIGUOUS #2

7-0133-00 - EV
07013300EE

0133 COPPERWOOD

OFFICIAL BALLOT

ELECTION TITLE: GENERAL ELECTION
ELECTION DATE: NOVEMBER 3, 2020
COUNTY OF MARICOPA, STATE OF ARIZONA

TO VOTE: COMPLETELY FILL THE OVAL(S) NEXT TO YOUR CHOICE(S), LIKE BELOW
DOE, JANE ☒

TO VOTE FOR A WRITE-IN CANDIDATE: PRINT THE NAME ATOP OF THE SHADED TEXT AND COMPLETELY FILL THE OVAL, LIKE BELOW
John Doe ☒

Refer to full text of propositions and questions posted in the polling place, printed on the sample ballot and provided with all mailed early ballots.

COUNTY	PEORIA UNIF NO. 11
BOARD OF SUPERVISORS DISTRICT 4 (VOTE FOR NOT MORE THAN 1)	SCHOOL GOVERNING BOARD MEMBER (VOTE FOR NOT MORE THAN 3)
HICKMAN, CLINT L. (REP) <input checked="" type="radio"/>	SANDOVAL, DAVID M. <input type="radio"/>
STORY, SUZANNE (DEM) <input type="radio"/>	SOLTER, DAVITA <input type="radio"/>
Write-In Candidate <input type="radio"/>	SORENSEN, BILL <input checked="" type="radio"/>
COUNTY ASSESSOR (VOTE FOR NOT MORE THAN 1)	UPDEGRAFF-DAY, DEVON NICOLE <input type="radio"/>
COOK, EDDIE (REP) <input checked="" type="radio"/>	WILLIAMS, CJ <input checked="" type="radio"/>
CONNOR, AARON (DEM) <input type="radio"/>	BUSAM, LINDA J. <input type="radio"/>
Write-In Candidate <input type="radio"/>	FRANKLIN, KACIE S. <input type="radio"/>
COUNTY ATTORNEY (VOTE FOR NOT MORE THAN 1)	HILL, REBECCA JANE <input type="radio"/>
ADEL, ALLISTER (REP) <input checked="" type="radio"/>	HOBBS, KIRK <input checked="" type="radio"/>
GUNNIGLE, JULIE (DEM) <input type="radio"/>	Write-In Candidate <input type="radio"/>
Write-In Candidate <input type="radio"/>	QUESTION 1
COUNTY RECORDER (VOTE FOR NOT MORE THAN 1)	A "YES" vote shall authorize the Peoria Unified School District Governing Board to continue/extend the existing maintenance and operation budget override authority and the resulting tax.
RICHER, STEPHEN L. (REP) <input type="radio"/>	A "NO" vote shall not authorize the Peoria Unified School District Governing Board to continue/extend the existing maintenance and operation budget override authority and the resulting tax.
FONTES, ADRIAN P. (DEM) <input checked="" type="radio"/>	BUDGET OVERRIDE CONTINUATION, YES <input checked="" type="radio"/>
Write-In Candidate <input type="radio"/>	BUDGET OVERRIDE CONTINUATION, NO <input type="radio"/>
COUNTY SCHOOL SUPERINTENDENT (VOTE FOR NOT MORE THAN 1)	QUESTION 2
WATSON, STEVE (REP) <input type="radio"/>	A "YES" vote shall authorize the Peoria Unified School District Governing Board to issue and sell \$125,255,000 principal amount of general obligation bonds to be repaid with secondary property taxes.
CASTEEN, JEANNE M. (DEM) <input checked="" type="radio"/>	A "NO" vote shall not authorize the Peoria Unified School District Governing Board to issue and sell such bonds.
Write-In Candidate <input type="radio"/>	
SHERIFF (VOTE FOR NOT MORE THAN 1)	
Write-In Candidate <input type="radio"/>	

PARTISAN BALLOT

FEDERAL

PRESIDENTIAL ELECTORS
(VOTE FOR NOT MORE THAN 1)

TRUMP	PENCE	BIDEN	HARRIS	JORGENSEN	COHEN
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Write-In Candidate <input type="radio"/>	Write-In Candidate <input type="radio"/>	Write-In Candidate <input type="radio"/>	Write-In Candidate <input type="radio"/>	Write-In Candidate <input type="radio"/>	Write-In Candidate <input type="radio"/>

UNITED STATES SENATOR
TERM EXPIRES JANUARY 3, 2023
(VOTE FOR NOT MORE THAN 1)

MCSALLY, MARTHA (REP) ☐

KELLY, MARK (DEM) ☒

Write-In Candidate ☐

Why did Dominion A.I. mark this as 'IsVote' for Jorgensen and not JUST Ambiguous?

What are the density settings on how much an Oval is filled in comparison to another Oval to determine 'IsVote'?

What are the conditions when it is an Overvote versus Ambiguous?

JORGENSEN IsVOTE AND AMBIGUOUS #3

7-0224-00 - EV 0224 ESCALANTE

07022400EE

OFFICIAL BALLOT

ELECTION TITLE: GENERAL ELECTION
ELECTION DATE: NOVEMBER 3, 2020
COUNTY OF MARICOPA, STATE OF ARIZONA

TO VOTE: COMPLETELY FILL THE OVAL(S) NEXT TO YOUR CHOICE(S), LIKE BELOW

TO VOTE FOR A WRITE-IN CANDIDATE: PRINT THE NAME ATOP OF THE SHADED TEXT AND COMPLETELY FILL THE OVAL, LIKE BELOW

DOE, JANE John Doe

Refer to full text of propositions and questions posted in the polling place, printed on the sample ballot and provided with all mailed early ballots.

1. Put a mark according to the instructions next to the name of each candidate for each office for whom you wish to vote.

2. If you wish to vote for a person whose name is not printed on the ballot, write such name in the blank space provided on the ballot and put a mark according to the instructions next to the name so written.

3. Put a mark according to the instructions next to the word "yes" or "for" for each proposition or question you wish to be adopted. Put a mark according to the instructions next to the word "no" or "against" for each proposition or question you wish not to be adopted.

COUNTY		MARICOPA COUNTY
BOARD OF SUPERVISORS	DISTRICT 1	COMMUNITY COLLEGE DISTRICT AT-LARGE
(VOTE FOR NOT MORE THAN 1)		(VOTE FOR NOT MORE THAN 1)
SELLERS, JACK W. (REP)	<input type="radio"/>	BOGGS, SHELLI RICHARDSON
HODGE, JEVIN D. (DEM)	<input checked="" type="radio"/>	THOR, LINDA M.
Write-In Candidate	<input type="radio"/>	Write-In Candidate
COUNTY ASSESSOR	DISTRICT 1	MARICOPA COUNTY COMMUNITY COLLEGE DISTRICT 1
(VOTE FOR NOT MORE THAN 1)	(VOTE FOR NOT MORE THAN 1)	(VOTE FOR NOT MORE THAN 1)
COOK, EDDIE (REP)	<input checked="" type="radio"/>	SMITH, JACQUELINE V.
CONNOR, AARON (DEM)	<input type="radio"/>	HENDRIX, LAURIN
Write-In Candidate	<input type="radio"/>	Write-In Candidate
COUNTY ATTORNEY	DISTRICT 1	TEMPE UNION NO. 213
(VOTE FOR NOT MORE THAN 1)	(VOTE FOR NOT MORE THAN 1)	(VOTE FOR NOT MORE THAN 1)
ADEL, ALLISTER (REP)	<input type="radio"/>	HIGH SCHOOL GOVERNING BOARD MEMBER
GUNNIGLE, JULIE (DEM)	<input checked="" type="radio"/>	(VOTE FOR NOT MORE THAN 3)
Write-In Candidate	<input type="radio"/>	HODGE, BERDETTA B.
COUNTY RECORDER	DISTRICT 1	JAMES, SARAH LINDSAY
(VOTE FOR NOT MORE THAN 1)	(VOTE FOR NOT MORE THAN 1)	LOWE, SANDY K.
RICHER, STEPHEN I. (REP)	<input type="radio"/>	MONTERO, ARMANDO A.
FONTES, ADRIAN P. (DEM)	<input checked="" type="radio"/>	MYRICK, MICHAEL RYAN
Write-In Candidate	<input type="radio"/>	REESOR, PAIGE
COUNTY SCHOOL SUPERINTENDENT	DISTRICT 1	BASTIAN, LORI
(VOTE FOR NOT MORE THAN 1)	(VOTE FOR NOT MORE THAN 1)	FLETCHER, DON
WATSON, STEVE (REP)	<input type="radio"/>	Write-In Candidate
CASTEEN, JEANNE M. (DEM)	<input checked="" type="radio"/>	Write-In Candidate
Write-In Candidate	<input type="radio"/>	Write-In Candidate
SHERIFF	DISTRICT 1	TEMPE ELEM NO. 3
(VOTE FOR NOT MORE THAN 1)	(VOTE FOR NOT MORE THAN 1)	SCHOOL GOVERNING BOARD MEMBER

Why did Dominion A.I. mark this as 'IsVote' for Jorgensen and not JUST Ambiguous?

What are the density settings on how much an Oval is filled in comparison to another Oval to determine 'IsVote'?

What are the conditions in when it is an Overvote versus Ambiguous?

JORGENSEN IsVote AND AMBIGUOUS #4

7-0090-01 PURPLE - PV PROVISIONAL 0090 CARON

07009001PE

OFFICIAL BALLOT

ELECTION TITLE: GENERAL ELECTION
ELECTION DATE: NOVEMBER 3, 2020
COUNTY OF MARICOPA, STATE OF ARIZONA

TO VOTE: COMPLETELY FILL THE OVAL(S) NEXT TO YOUR CHOICE(S), LIKE BELOW

TO VOTE FOR A WRITE-IN CANDIDATE: PRINT THE NAME ATOP OF THE SHADED TEXT AND COMPLETELY FILL THE OVAL, LIKE BELOW

DOE, JANE John Doe

Refer to full text of propositions and questions posted in the polling place, printed on the sample ballot and provided with all mailed early ballots.

1. Put a mark according to the instructions next to the name of each candidate for each office for whom you wish to vote.

2. If you wish to vote for a person whose name is not printed on the ballot, write such name in the blank space provided on the ballot and put a mark according to the instructions next to the name so written.

3. Put a mark according to the instructions next to the word "yes" or "no" for each proposition or question you wish to be adopted. Put a mark according to the instructions next to the word "no" or "against" for each proposition or question you wish not to be adopted.

COUNTY	PEORIA UNIF NO. 11
BOARD OF SUPERVISORS DISTRICT 4 (VOTE FOR NOT MORE THAN 1)	SCHOOL GOVERNING BOARD MEMBER (VOTE FOR NOT MORE THAN 3)
HICKMAN, CLINT L. (REP) <input type="radio"/>	FRANKLIN, KACIE S. <input checked="" type="radio"/>
STORY, SUZANNE (DEM) <input checked="" type="radio"/>	HILL, REBECCA JANE <input type="radio"/>
Write-In Candidate <input type="radio"/>	HOBBS, KIRK <input type="radio"/>
COUNTY ASSESSOR (VOTE FOR NOT MORE THAN 1)	SANDOVAL, DAVID M. <input type="radio"/>
COOK, EDDIE (REP) <input type="radio"/>	SOLTER, DAVITA <input type="radio"/>
CONNOR, AARON (DEM) <input checked="" type="radio"/>	UPDEGRAFF-DAY, DEVON NICOLE <input type="radio"/>
Write-In Candidate <input type="radio"/>	WILLIAMS, CJ <input type="radio"/>
COUNTY ATTORNEY (VOTE FOR NOT MORE THAN 1)	BUSAM, LINDA J. <input type="radio"/>
ADEL, ALLISTER (REP) <input type="radio"/>	Write-In Candidate <input type="radio"/>
GUNNIGLE, JULIE (DEM) <input checked="" type="radio"/>	Write-In Candidate <input type="radio"/>
Write-In Candidate <input type="radio"/>	QUESTION 1
COUNTY RECORDER (VOTE FOR NOT MORE THAN 1)	A "YES" vote shall authorize the Peoria Unified School District Governing Board to continue/extend the existing maintenance and operation budget override authority and the resulting tax.
RICHER, STEPHEN I. (REP) <input type="radio"/>	A "NO" vote shall not authorize the Peoria Unified School District Governing Board to continue/extend the existing maintenance and operation budget override authority and the resulting tax.
FONTES, ADRIAN P. (DEM) <input checked="" type="radio"/>	BUDGET OVERRIDE CONTINUATION, YES <input checked="" type="radio"/>
Write-In Candidate <input type="radio"/>	BUDGET OVERRIDE CONTINUATION, NO <input type="radio"/>
COUNTY SCHOOL SUPERINTENDENT (VOTE FOR NOT MORE THAN 1)	QUESTION 2
WATSON, STEVE (REP) <input type="radio"/>	A "YES" vote shall authorize the Peoria Unified School District Governing Board to issue and sell \$125,255,000 principal amount of general obligation bonds to be repaid with secondary property taxes.
CASTEEN, JEANNE M. (DEM) <input checked="" type="radio"/>	A "NO" vote shall not authorize the Peoria Unified School District Governing Board to issue and sell such bonds.
Write-In Candidate <input type="radio"/>	
SHERIFF (VOTE FOR NOT MORE THAN 1)	
Write-In Candidate <input type="radio"/>	

PARTISAN BALLOT

FEDERAL

PRESIDENTIAL ELECTORS
(VOTE FOR NOT MORE THAN 1)

TRUMP	BIDEN	HARRIS	JORGENSEN	COHEN
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Write-In Candidate <input type="radio"/>				

UNITED STATES SENATOR
TERM EXPIRES JANUARY 3, 2023
(VOTE FOR NOT MORE THAN 1)

MCSALLY, MARTHA (REP) ☐

KELLY, MARK (DEM) ☒

Write-In Candidate ☐

Why did Dominion A.I. mark this as 'IsVote' for Jorgensen and not JUST Ambiguous?

What are the density settings on how much an Oval is filled in comparison to another Oval to determine 'IsVote'?

What are the conditions when it is an Overvote versus Ambiguous?

JORGENSEN IsVOTE AND AMBIGUOUS #5

USE BLACK OR BLUE PEN ONLY/SOLO UTILICE PLUMA NEGRA O AZUL

EARLY VOTING/VOTACIÓN TEMPRANA

0413 SUPA

0413 SUPA

07041300EE

7-0413-00 - EV

OFFICIAL BALLOT

ELECTION TITLE:
GENERAL ELECTION

ELECTION DATE:
NOVEMBER 3, 2020

COUNTY OF MARICOPA, STATE OF ARIZONA

TO VOTE: COMPLETELY FILL THE OVAL(S) NEXT TO YOUR CHOICE(S).
LIKE BELOW

DOE, JANE

TO VOTE FOR A WRITE-IN CANDIDATE: PRINT THE NAME AFTER OF THE SHADED TEXT AND COMPLETELY FILL THE OVAL. LIKE BELOW

John Doe

Refer to full text of propositions and questions posted in the polling place, printed on the sample ballot and provided with at mailed early ballots.

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- If you wish to vote for a person whose name is not printed on the ballot, write such name in the blank space provided on the ballot and put a mark according to the instructions next to the name so written.
- Put a mark according to the instructions next to the word "yes" or "no" for each proposition or question you wish to be adopted. Put a mark according to the instructions next to the word "no" or "against" for each proposition or question you wish not to be adopted.

PARTISAN BALLOT

FEDERAL

PRESIDENTIAL ELECTORS

(VOTE FOR NOT MORE THAN 1)

BIDEN / ZELDIN
KAMALA HARRIS
KAMALA HARRIS
KAMALA HARRIS
KAMALA HARRIS
KAMALA HARRIS

TRUMP / PENCE
DONALD TRUMP
DONALD TRUMP
DONALD TRUMP
DONALD TRUMP
DONALD TRUMP

TRUMP

PENCE

(REP)

BIDEN

HARRIS

(DEM)

CALLAHAN / GIBBS
KAMALA HARRIS
KAMALA HARRIS
KAMALA HARRIS
KAMALA HARRIS
KAMALA HARRIS

TRUMP / PENCE
DONALD TRUMP
DONALD TRUMP
DONALD TRUMP
DONALD TRUMP
DONALD TRUMP

BIDEN

HARRIS

(DEM)

BIDEN / ZELDIN
KAMALA HARRIS
KAMALA HARRIS
KAMALA HARRIS
KAMALA HARRIS
KAMALA HARRIS

TRUMP / PENCE
DONALD TRUMP
DONALD TRUMP
DONALD TRUMP
DONALD TRUMP
DONALD TRUMP

BIDEN

HARRIS

(DEM)

UNITED STATES SENATOR

TERM EXPIRES JANUARY 3, 2023

(VOTE FOR NOT MORE THAN 1)

MCSCALLY, MARTHA (REP)

KEELY, MARK (DEM)

COUNTY

BOARD OF SUPERVISORS DISTRICT 1

(VOTE FOR NOT MORE THAN 1)

SELLERS, JACK W. (REP)

HODGE, JEVIN D. (DEM)

COUNTY ASSESSOR

(VOTE FOR NOT MORE THAN 1)

COOK, EDDIE (REP)

CONNOR, AARON (DEM)

COUNTY ATTORNEY

(VOTE FOR NOT MORE THAN 1)

ADEL, ALLISTER (REP)

GUNNIGLE, JULIE (DEM)

COUNTY RECORDER

(VOTE FOR NOT MORE THAN 1)

RICHER, STEPHEN I. (REP)

FONTES, ADRIAN P. (DEM)

COUNTY SCHOOL SUPERINTENDENT

(VOTE FOR NOT MORE THAN 1)

WATSON, STEVE (REP)

CASTEEN, JEANNE M. (DEM)

SHERIFF

(VOTE FOR NOT MORE THAN 1)

PROPOSITION 449

A measure referred to the voters of Maricopa County to authorize the continuation of a secondary property tax levy for the benefit of the Maricopa County Special Health Care District for twenty years, as authorized by law (Chapter 31, Title 48, Arizona Revised Statutes).

A "YES" vote will have the effect of continuation of the levy of a secondary property tax for the benefit of the Maricopa County Special Health Care District - which includes the public teaching hospitals: the Arizona Burn Center, three behavioral health hospitals and 12 family health centers - for a period not to exceed twenty years, which tax is estimated at \$38 per year on a home assessed at \$200,000.

A "NO" vote will have the effect of not approving the continuation of the levy of a secondary property tax for the benefit of the Maricopa County Special Health Care District, which tax will expire without voter approval before August 2025.

YES

NO

MARICOPA COUNTY COMMUNITY COLLEGE DISTRICT AT-LARGE

(VOTE FOR NOT MORE THAN 1)

BOGGS, SHELLI RICHARDSON

THOR, LINDA M.

Why did Dominion A.I. mark this as 'IsVote' for Jorgensen and not JUST Ambiguous?

What are the density settings on how much an Oval is filled in comparison to another Oval to determine 'IsVote'?

What are the conditions when it is an Overvote versus Ambiguous?

PHASE II – Part 3 Summary

- The important observation herein is that the actual parameters that the A.I. uses in determining a vote, write-in, undervote, overvote, or ambiguous, should be fully transparent, and dictated by the legislature.
- Even if the A.I. was correct in all cases, it is not prudent to simply trust that the A.I. will be accurate without the public knowing what actual parameters the A.I. is using to determine vote allocations.
- The above were a few examples where the 'IsVote' flag was set for Trump, Biden, Jorgensen, along with another adjudication flag. Appendix B contains 608 Ballot Images divided into THREE separate directories for each candidate. The following named directories have those ballot images:
 1. Directory 'IsVote-Trump-Flagged-Adjudicated' containing 191 ballot images
 2. Directory 'IsVote-Biden-Flagged-Adjudicated' containing 400 ballot images
 3. Directory 'IsVote-Jorgensen-Flagged-Adjudicated' containing 17 ballot images

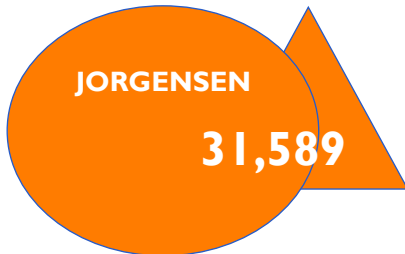
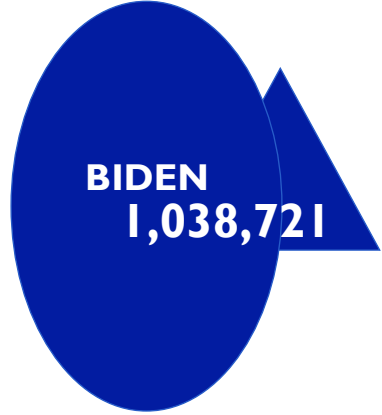
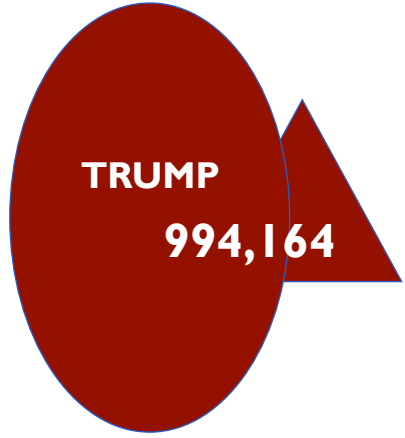
PHASE II – Part 4

EchoMail® CVR Analysis of Adjudication Process
from Pre-Adjudication State to Post-Adjudication State

PHASE II – Part 4

PRE-ADJUDICATED

Pure IsVotes
& IsVotes Flagged
for Adjudication

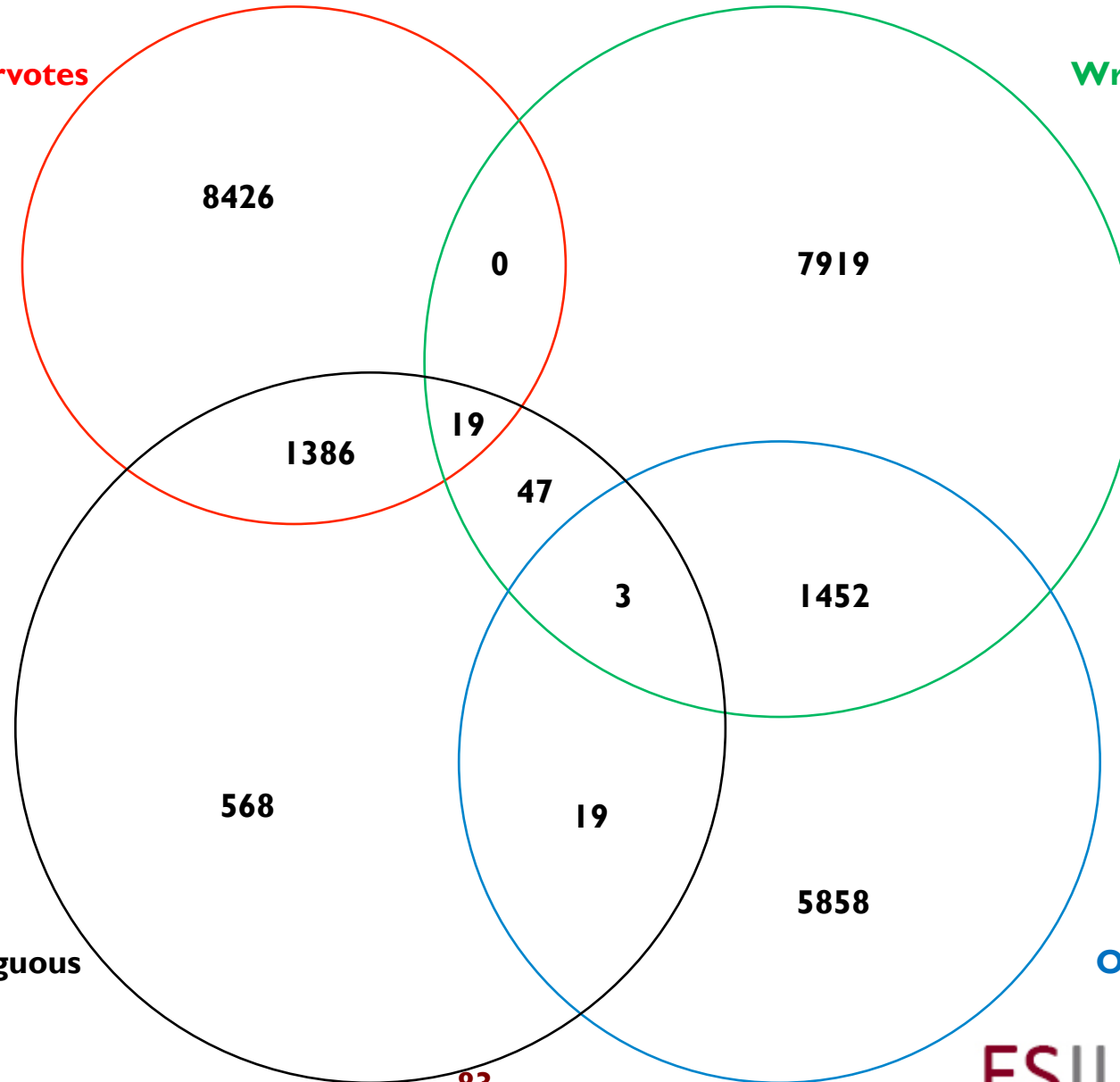


Undervotes
9831

Write Ins (9440)

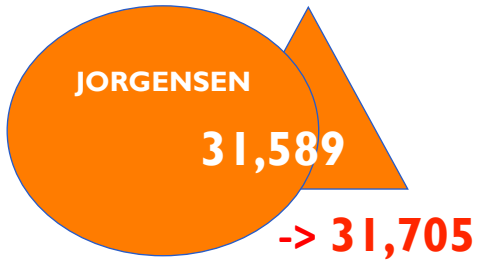
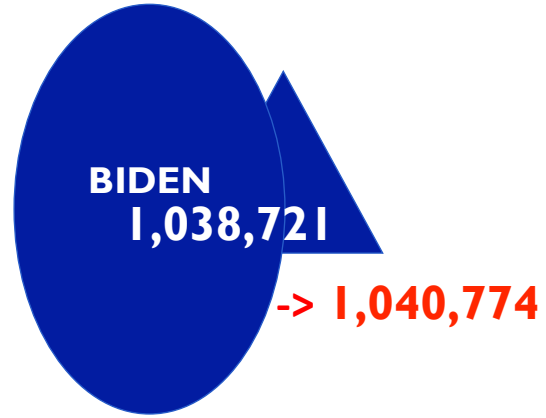
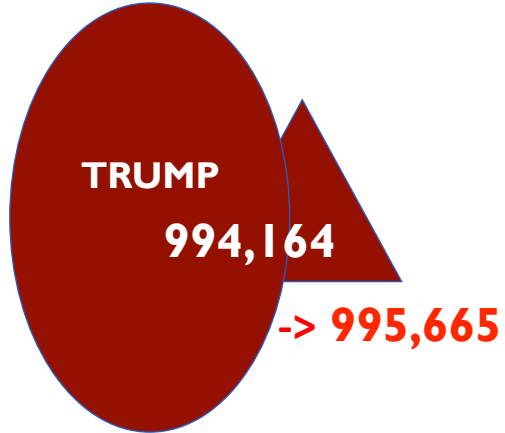
Ambiguous
2042

Overvotes(7332)



- 83 -

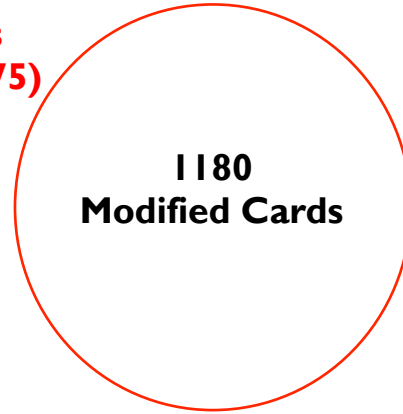
Pure IsVotes
& IsVotes Flagged
for Adjudication



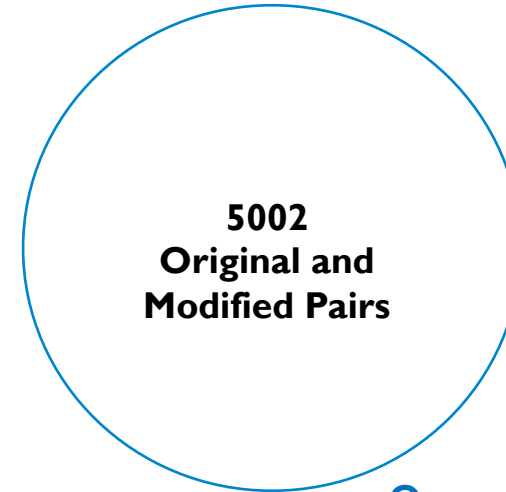
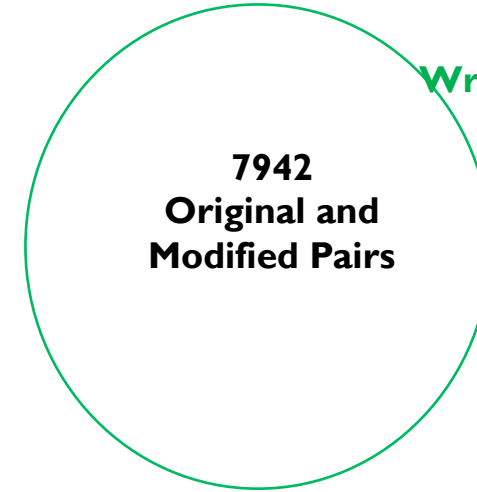
PHASE II – PART 4

POST-ADJUDICATED

Undervotes
(9831 -> 8475)

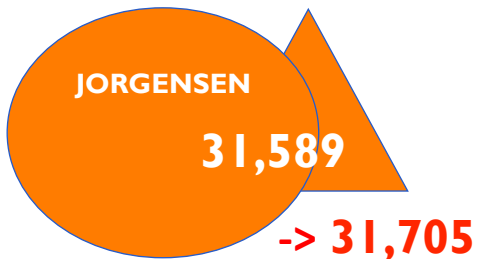
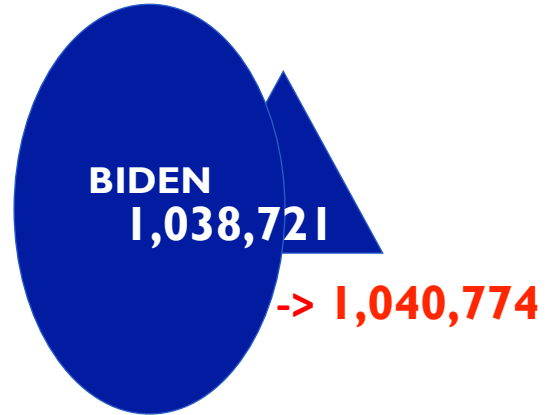
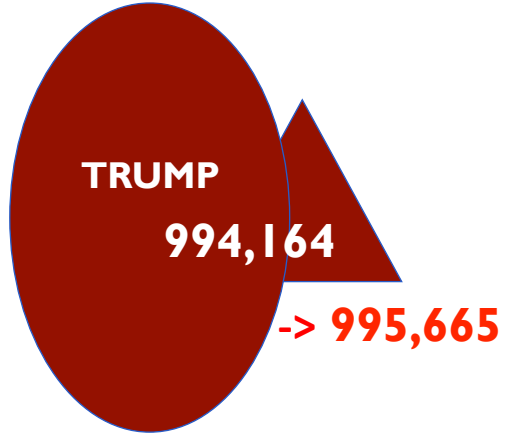


Write Ins (9440 -> 7942)



Overvotes(7332 -> 5002)

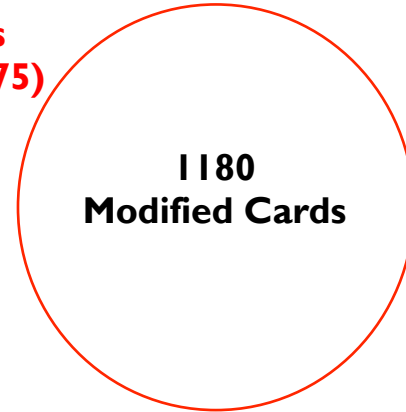
Pure IsVotes
& IsVotes Flagged
for Adjudication



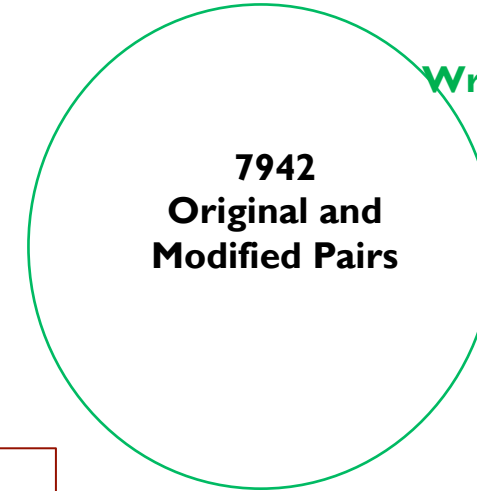
PHASE II – PART 4

ECHOMAIL® CVR ANALYSIS OF ADJUDICATION PROCESS
FROM PRE-ADJUDICATION STATE TO POST-ADJUDICATION STATE

Undervotes
(9831 -> 8475)



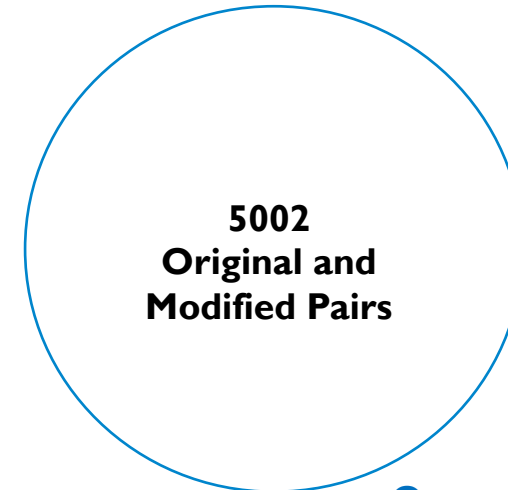
Write Ins (9440 -> 7942)



ECHOMAIL® ANALYSIS OF PRE-ADJUDICATION TO POST-ADJUDICATION STATES REVEALED THAT THE WRITE-INS AND OVERVOTES APPEARED TO HAVE BEEN ACCURATELY CALCULATED.

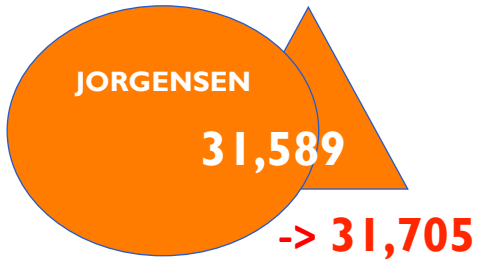
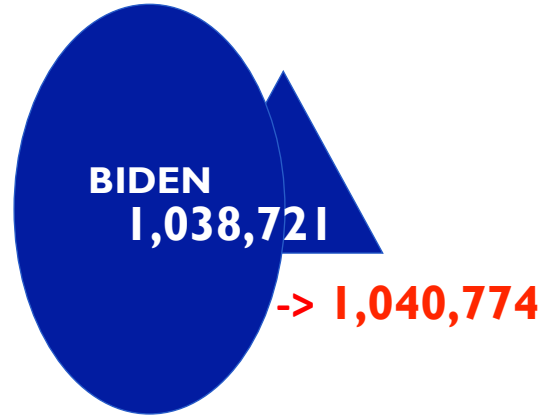
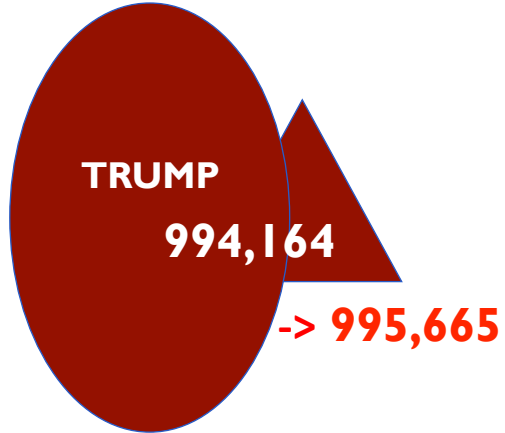
HOWEVER, FOR UNDERVOTES, THERE WAS AN INCONSISTENCY. ONLY 1,180 MODIFIED CARDS WERE OBSERVED IN THE POST-ADJUDICATED STATE, ALTHOUGH THERE WERE 8,475 TOTAL POST-ADJUDICATED UNDERVOTES.

TO RESOLVE THIS REQUIRED A SIGNIFICANT DECIPHERING EFFORT ACROSS THESE TWO STATES.



Overvotes(7332 -> 5002)

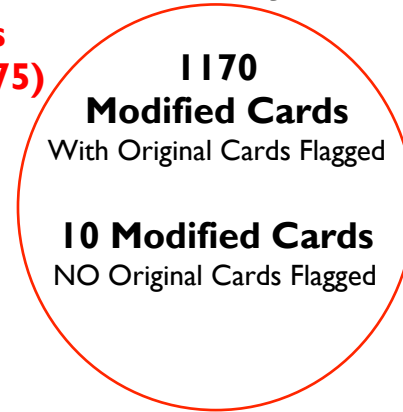
Pure IsVotes
& IsVotes Flagged
for Adjudication



Phase II – Part 4

EchoMail® CVR Analysis of Adjudication Process from Pre-Adjudication State to Post-Adjudication State

Undervotes
(9831 -> 8475)

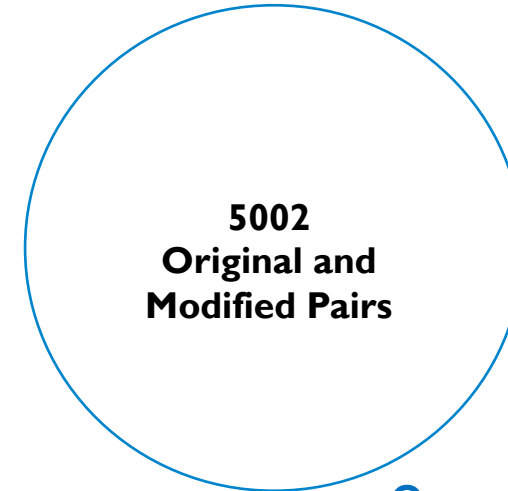


Write Ins (9440 -> 7942)



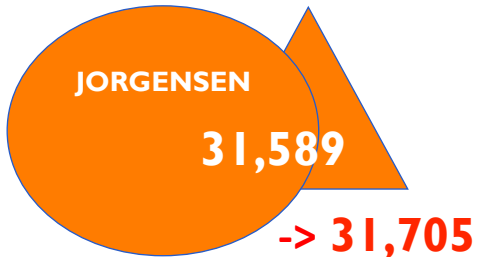
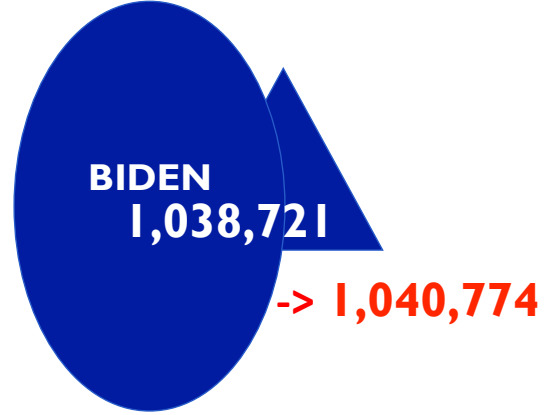
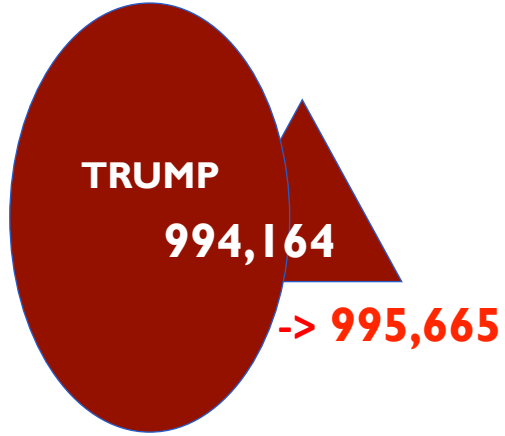
In this deciphering effort, EchoMail discovered that 10 modified cards had no original cards that were flagged for adjudication.

In fact, the original cards associated with these 10 modified cards were marked as 'IsVote' for either Trump or Biden, but were not flagged in the original cards for anything else in the presidential race.



Overvotes(7332 -> 5002)

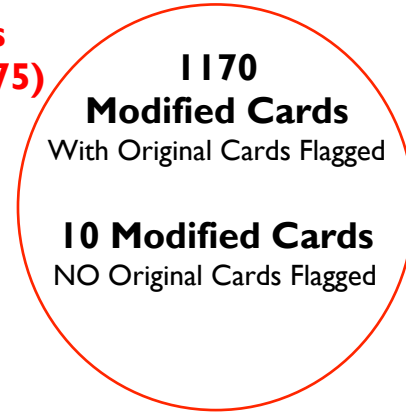
Pure IsVotes
& IsVotes Flagged
for Adjudication



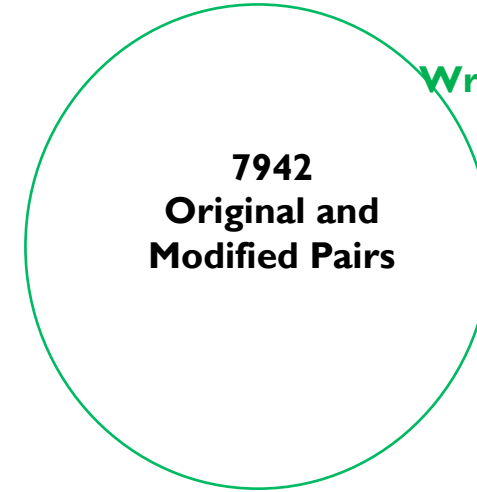
PHASE II – PART 4

ECHOMAIL® CVR ANALYSIS OF ADJUDICATION PROCESS
FROM PRE-ADJUDICATION STATE TO POST-ADJUDICATION STATE

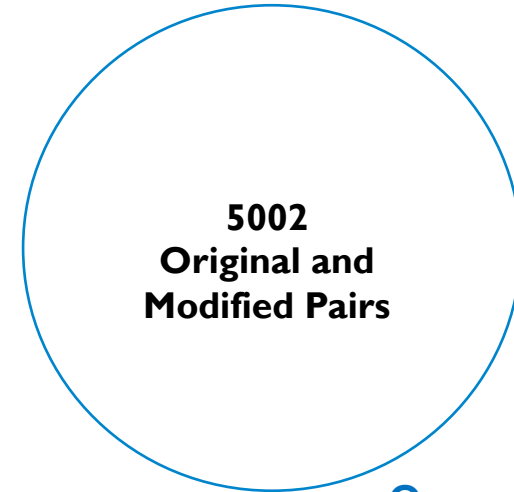
Undervotes
(9831 -> 8475)



Write Ins (9440 -> 7942)



HOW DID THIS HAPPEN?

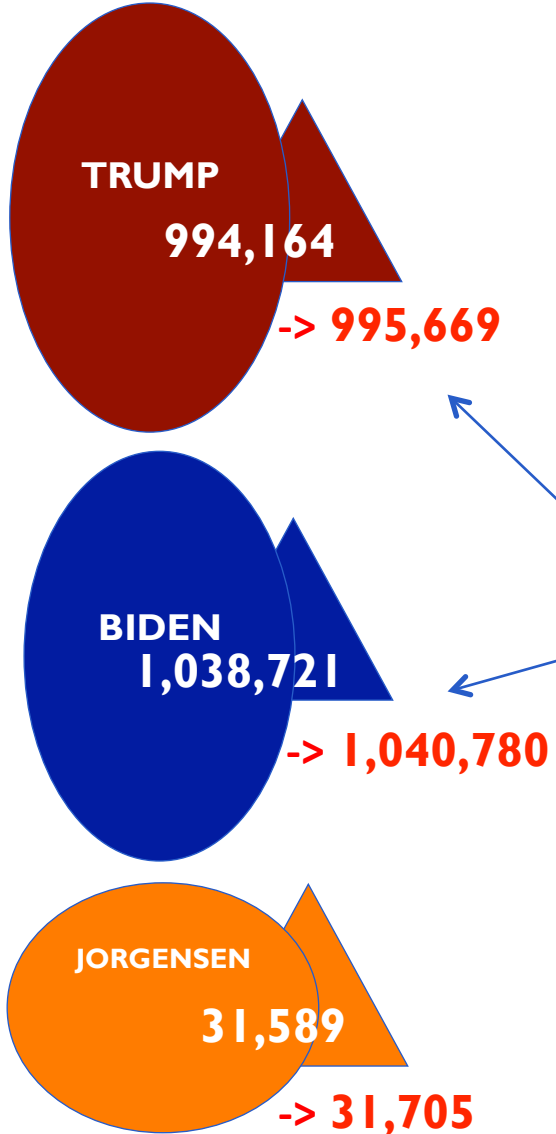


Overvotes(7332 -> 5002)

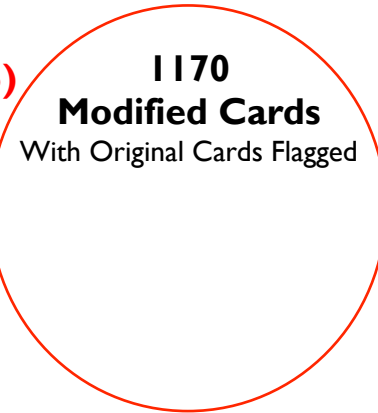
PHASE II – PART 4

ECHOMAIL® CVR ANALYSIS OF ADJUDICATION PROCESS
FROM PRE-ADJUDICATION STATE TO POST-ADJUDICATION STATE

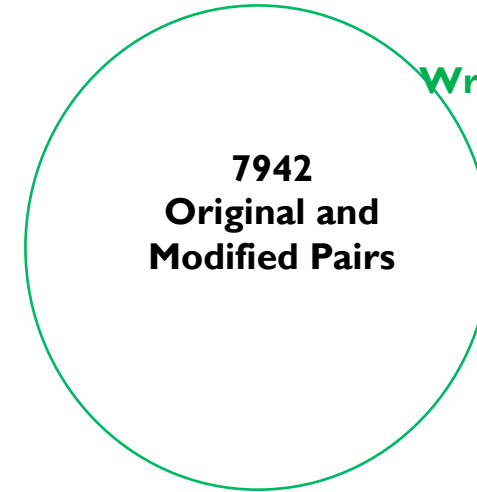
Pure IsVotes
& IsVotes Flagged
for Adjudication



Undervotes
(9831 -> 8475)

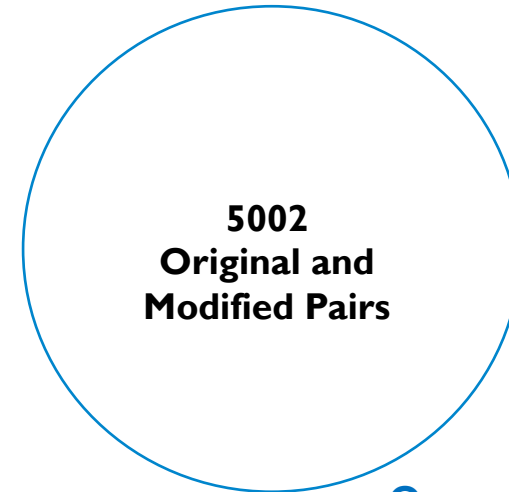


Write Ins (9440 -> 7942)



EchoMail discovered the state before these 10
Modified Cards showed up – 4 more for Trump,
and 6 more for Biden.

This is what happened....

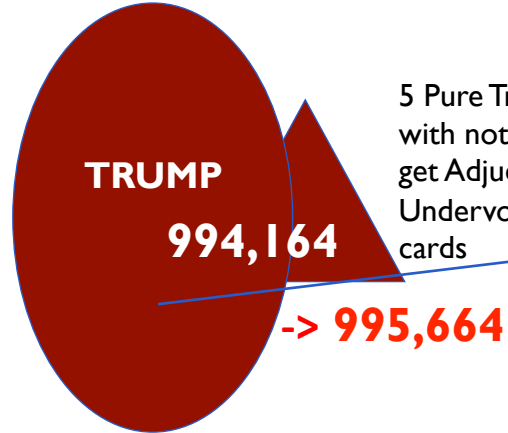


Overvotes(7332 -> 5002)

Phase II – Part 4

ECHOMAIL® CVR ANALYSIS OF ADJUDICATION PROCESS
FROM PRE-ADJUDICATION STATE TO POST-ADJUDICATION STATE

Pure IsVotes
& IsVotes Flagged
for Adjudication



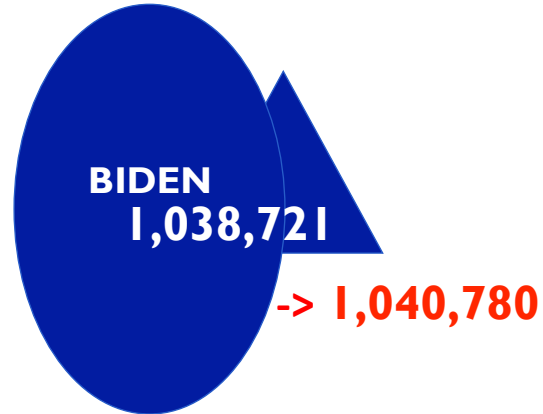
Undervotes
(9831 -> 8475)

5 Pure Trump IsVotes
with nothing flagged in CVR
get Adjudicated to 5
Undervotes w Modified
cards

1170
Modified Cards
With Original Cards Flagged
5 Modified Cards
NO Original Cards Flagged

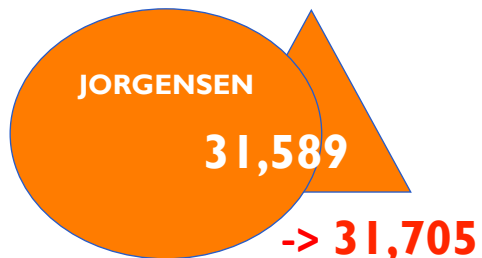
Write Ins (9440 -> 7942)

7942
Original and
Modified Pairs



5 Pure Trump IsVotes with nothing
flagged in CVR get Adjudicated to 5
Undervotes with Modified cards
appearing.

5002
Original and
Modified Pairs



Overvotes(7332 -> 5002)

TRUMP PURE 'ISVOTE' TO UNDERVOTE #1

7-0035-00 - EV 07003500EE 0035 AUGUSTA RANCH

OFFICIAL BALLOT

ELECTION TITLE: GENERAL ELECTION
ELECTION DATE: NOVEMBER 3, 2020
COUNTY OF MARICOPA, STATE OF ARIZONA

TO VOTE: COMPLETELY FILL THE OVAL(S) NEXT TO YOUR CHOICE(S), LIKE BELOW

TO VOTE FOR A WRITE-IN CANDIDATE: PRINT THE NAME ATOP OF THE SHADED TEXT AND COMPLETELY FILL THE OVAL, LIKE BELOW

DOE, JANE John Doe

Refer to full text of propositions and questions posted in the polling place, printed on the sample ballot and provided with all mailed early ballots.

1. Put a mark according to the instructions next to the name of each candidate for each office for whom you wish to vote.

2. If you wish to vote for a person whose name is not printed on the ballot, write such name in the blank space provided on the ballot and put a mark according to the instructions next to the name so written.

3. Put a mark according to the instructions next to the word "yes" or "for" for each proposition or question you wish to be adopted. Put a mark according to the instructions next to the word "no" or "against" for each proposition or question you wish not to be adopted.

COUNTY		MARICOPA COUNTY
BOARD OF SUPERVISORS DISTRICT 2 (VOTE FOR NOT MORE THAN 1)		COMMUNITY COLLEGE DISTRICT AT-LARGE (VOTE FOR NOT MORE THAN 1)
CHUCRI, STEVE (REP)	<input checked="" type="radio"/>	THOR, LINDA M.
ABBOUD, DEEDRA (DEM)	<input type="radio"/>	BOGGS, SHELLI RICHARDSON
COUNTY ASSESSOR (VOTE FOR NOT MORE THAN 1)		CITY OF MESA
COOK, EDDIE (REP)	<input checked="" type="radio"/>	QUESTION 1
CONNOR, AARON (DEM)	<input type="radio"/>	Shall Mesa be authorized to issue and sell \$100,000,000 of general obligation bonds for streets, highways, bridges, street lights, traffic signals, communication infrastructure, pedestrian improvements, multi-use path and trail improvements, other vehicular and multi-modal transportation improvements?
COUNTY ATTORNEY (VOTE FOR NOT MORE THAN 1)		BOND APPROVAL, YES
ADEL, ALLISTER (REP)	<input checked="" type="radio"/>	BOND APPROVAL, NO
GUNNIGLE, JULIE (DEM)	<input type="radio"/>	JUSTICES OF THE SUPREME COURT
COUNTY RECORDER (VOTE FOR NOT MORE THAN 1)		Retain: BRUTINEL, ROBERT
RICHER, STEPHEN I. (REP)	<input checked="" type="radio"/>	YES
FONTES, ADRIAN P. (DEM)	<input type="radio"/>	NO
COUNTY SCHOOL SUPERINTENDENT (VOTE FOR NOT MORE THAN 1)		Retain: GOULD, ANDREW W.
WATSON, STEVE (REP)	<input checked="" type="radio"/>	YES
CASTEEN, JEANNE M. (DEM)	<input type="radio"/>	NO
SHERIFF (VOTE FOR NOT MORE THAN 1)		Retain: LOPEZ IV, JOHN
		YES
		NO

PARTISAN BALLOT

FEDERAL

PRESIDENTIAL ELECTORS
(VOTE FOR NOT MORE THAN 1)

TRUMP PENCE (REP)	<input checked="" type="radio"/>
BIDEN HARRIS (DEM)	<input type="radio"/>
JORGENSEN COHEN (LBT)	<input type="radio"/>
Write-In Candidate	

UNITED STATES SENATOR
TERM EXPIRES JANUARY 3, 2023
(VOTE FOR NOT MORE THAN 1)

MCSALLY, MARTHA (REP)	<input type="radio"/>
KELLY, MARK (DEM)	<input checked="" type="radio"/>
Write-In Candidate	

TRUMP PURE 'IsVOTE' TO UNDERVOTE #2

EARLY VOTING/VOTACIÓN TEMPRANA
USE BLACK OR BLUE PEN ONLY/USO ÚTILICE PLUMA NEGRA O AZUL

7-0358-00 - EV
07035800EE

0358 LAS COLINAS

OFFICIAL BALLOT

ELECTION TITLE:
GENERAL ELECTION

ELECTION DATE:
NOVEMBER 3, 2020

COUNTY OF MARICOPA, STATE OF ARIZONA

TO VOTE: COMPLETELY FILL THE OVAL(S) NEXT TO YOUR CHOICE(S), LIKE BELOW

DOE, JANE

TO VOTE FOR A WRITE-IN CANDIDATE: PRINT THE NAME ATOP OF THE SHADED TEXT AND COMPLETELY FILL THE OVAL, LIKE BELOW

John Doe

Refer to full text of propositions and questions posted in the polling place, printed on the sample ballot and provided with all mailed early ballots.

COUNTY	PROPOSITION 449
BOARD OF SUPERVISORS DISTRICT 1 (VOTE FOR NOT MORE THAN 1)	A measure referred to the voters of Maricopa County to authorize the continuation of a secondary property tax levy for the benefit of the Maricopa County Special Health Care District for twenty years, as authorized by law (Chapter 31, Title 48, Arizona Revised Statutes).
SELLERS, JACK W. (REP)	<input type="radio"/>
HODGE, JEVIN D. (DEM)	<input checked="" type="radio"/>
Write-In Candidate	<input type="radio"/>
COUNTY ASSESSOR (VOTE FOR NOT MORE THAN 1)	A "YES" vote will have the effect of continuation of the levy of a secondary property tax for the benefit of the Maricopa County Special Health Care District - which includes the public teaching hospital, the Arizona Burn Center, three behavioral health hospitals and 12 family health centers - for a period not to exceed twenty years, which tax is estimated at \$38 per year on a home assessed at \$200,000.
COOK, EDDIE (REP)	<input type="radio"/>
CONNOR, AARON (DEM)	<input checked="" type="radio"/>
Write-In Candidate	<input type="radio"/>
PARTISAN BALLOT	
FEDERAL	
PRESIDENTIAL ELECTORS (VOTE FOR NOT MORE THAN 1)	YES <input checked="" type="radio"/> NO <input type="radio"/>
TRUMP <input checked="" type="radio"/> PENCE (REP)	
BIDEN <input type="radio"/> HARRIS (DEM)	
JORGENSEN <input type="radio"/> COHEN (LBT)	
Write-In Candidate	<input type="radio"/>
UNITED STATES SENATOR TERM EXPIRES JANUARY 3, 2023 (VOTE FOR NOT MORE THAN 1)	
MCSALLY, MARTHA (REP)	<input type="radio"/>
KELLY, MARK (DEM)	<input checked="" type="radio"/>
Write-In Candidate	<input type="radio"/>
COUNTY SCHOOL SUPERINTENDENT (VOTE FOR NOT MORE THAN 1)	
WATSON, STEVE (REP)	<input type="radio"/>
CASTEEN, JEANNE M. (DEM)	<input checked="" type="radio"/>
Write-In Candidate	<input type="radio"/>
SCHOOL GOVERNING BOARD MEMBER (VOTE FOR NOT MORE THAN 3)	
SHERIFF	<input type="radio"/>
Write-In Candidate	<input type="radio"/>

TRUMP PURE 'IsVOTE' UNDERVOTE #3

EARLY VOTING/VOTACIÓN TEMPRANA
USE BLACK OR BLUE PEN ONLY/SOLO UTILICE PLUMA NEGRA O AZUL

7-0741-00 - EV 0741 WOLF RUN

07074100EE

OFFICIAL BALLOT

ELECTION TITLE: GENERAL ELECTION
ELECTION DATE: NOVEMBER 3, 2020
COUNTY OF MARICOPA, STATE OF ARIZONA

TO VOTE: COMPLETELY FILL THE OVAL(S) NEXT TO YOUR CHOICE(S). LIKE BELOW
DOE, JANE

TO VOTE FOR A WRITE-IN CANDIDATE: PRINT THE NAME ATOP OF THE SHADED TEXT AND COMPLETELY FILL THE OVAL, LIKE BELOW
John Doe

Refer to full text of propositions and questions posted in the polling place, printed on the sample ballot and provided with all mailed early ballots.

1. Put a mark according to the instructions next to the name of each candidate for each office for whom you wish to vote.

2. If you wish to vote for a person whose name is not printed on the ballot, write such name in the blank space provided on the ballot and put a mark according to the instructions next to the name so written.

3. Put a mark according to the instructions next to the word "yes" or "for" for each proposition or question you wish to be adopted. Put a mark according to the instructions next to the word "no" or "against" for each proposition or question you wish not to be adopted.

COUNTY: DEER VALLEY UNIF NO. 97	
BOARD OF SUPERVISORS DISTRICT 3	SCHOOL GOVERNING BOARD MEMBER
(VOTE FOR NOT MORE THAN 1)	(VOTE FOR NOT MORE THAN 3)
GATES, BILL SHANE (REP) <input checked="" type="radio"/>	FISHER, KIM <input checked="" type="radio"/>
WALKER, WHITNEY (DEM) <input type="radio"/>	HOLEHAN-KOPAS, MELODY <input type="radio"/>
Write-In Candidate <input type="radio"/>	ORDWAY, ANN ELIZABETH <input checked="" type="radio"/>
COUNTY ASSESSOR	PAPERMAN, JENNIE <input checked="" type="radio"/>
(VOTE FOR NOT MORE THAN 1)	Write-In Candidate <input type="radio"/>
COOK, EDDIE (REP) <input checked="" type="radio"/>	Write-In Candidate <input type="radio"/>
CONNOR, AARON (DEM) <input type="radio"/>	Write-In Candidate <input type="radio"/>
Write-In Candidate <input type="radio"/>	JUSTICES OF THE SUPREME COURT
COUNTY ATTORNEY	Shall the following Justices of the Supreme Court of Arizona be retained in office?
(VOTE FOR NOT MORE THAN 1)	
ADEL, ALLISTER (REP) <input checked="" type="radio"/>	Retain: BRUTINEL, ROBERT YES <input checked="" type="radio"/>
GUNNIGLE, JULIE (DEM) <input type="radio"/>	NO <input type="radio"/>
Write-In Candidate <input type="radio"/>	Retain: GOULD, ANDREW W. YES <input checked="" type="radio"/>
COUNTY RECORDER	NO <input type="radio"/>
(VOTE FOR NOT MORE THAN 1)	Retain: LOPEZ IV, JOHN YES <input checked="" type="radio"/>
RICHER, STEPHEN I. (REP) <input checked="" type="radio"/>	NO <input type="radio"/>
FONTES, ADRIAN P. (DEM) <input type="radio"/>	JUDGES OF THE COURT OF APPEALS, DIVISION 1
Write-In Candidate <input type="radio"/>	Shall the following Judges of the Court of Appeals, Division 1, of Arizona be retained in office?
COUNTY SCHOOL SUPERINTENDENT	
(VOTE FOR NOT MORE THAN 1)	
WATSON, STEVE (REP) <input checked="" type="radio"/>	Retain: Division 1 HOWE, RANDALL YES <input checked="" type="radio"/>
CASTEEN, JEANNE M. (DEM) <input type="radio"/>	NO <input type="radio"/>
Write-In Candidate <input type="radio"/>	Retain: Division 1 MCMURDIE, PAUL YES <input type="radio"/>
UNITED STATES SENATOR	NO <input checked="" type="radio"/>
TERM EXPIRES JANUARY 3, 2023	
(VOTE FOR NOT MORE THAN 1)	
MCSALLY, MARTHA (REP) <input checked="" type="radio"/>	Retain: Division 1 YES <input type="radio"/>
KELLY, MARK (DEM) <input type="radio"/>	NO <input checked="" type="radio"/>
Write-In Candidate <input type="radio"/>	Retain: Division 1 YES <input checked="" type="radio"/>
SHERIFF	
(VOTE FOR NOT MORE THAN 1)	

TRUMP PURE 'IsVOTE' UNDERVOTE #4

7-0506-01 PURPLE - EV 0606 PINNACLE PEAK

07050601EE

OFFICIAL BALLOT

ELECTION TITLE: GENERAL ELECTION
ELECTION DATE: NOVEMBER 3, 2020
COUNTY OF MARICOPA, STATE OF ARIZONA

TO VOTE: COMPLETELY FILL THE OVAL(S) NEXT TO YOUR CHOICE(S), LIKE BELOW

TO VOTE FOR A WRITE-IN CANDIDATE: PRINT THE NAME ATOP OF THE SHADED TEXT AND COMPLETELY FILL THE OVAL, LIKE BELOW

DOE, JANE ☒ John Doe ☒

Refer to full text of propositions and questions posted in the polling place, printed on the sample ballot and provided with all mailed early ballots.

1. Put a mark according to the instructions next to the name of each candidate for each office for whom you wish to vote.

2. If you wish to vote for a person whose name is not printed on the ballot, write such name in the blank space provided on the ballot and put a mark according to the instructions next to the name so written.

3. Put a mark according to the instructions next to the word "yes" or "no" for each proposition or question you wish to be adopted. Put a mark according to the instructions next to the word "no" or "against" for each proposition or question you wish not to be adopted.

BOARD OF SUPERVISORS DISTRICT 2 (VOTE FOR NOT MORE THAN 1)	MARICOPA COUNTY COMMUNITY COLLEGE DISTRICT AT-LARGE (VOTE FOR NOT MORE THAN 1)
CHUCRI, STEVE (REP) <input checked="" type="radio"/>	BOGGS, SHELLI RICHARDSON <input type="radio"/>
ABBOUD, DEEDRA (DEM) <input type="radio"/>	THOR, LINDA M. <input checked="" type="radio"/>
Write-In Candidate <input type="radio"/>	Write-In Candidate <input type="radio"/>
COUNTY ASSESSOR (VOTE FOR NOT MORE THAN 1)	SCHOOL GOVERNING BOARD MEMBER (VOTE FOR NOT MORE THAN 3)
COOK, EDDIE (REP) <input checked="" type="radio"/>	FORTNEY, JEFF <input type="radio"/>
CONNOR, AARON (DEM) <input type="radio"/>	RICH, JAMES <input type="radio"/>
Write-In Candidate <input type="radio"/>	THATCHER, TERI L. <input type="radio"/>
COUNTY ATTORNEY (VOTE FOR NOT MORE THAN 1)	WALKER, BRIANNA LYNN <input checked="" type="radio"/>
ADEL, ALLISTER (REP) <input checked="" type="radio"/>	WILSON, TRINITY DAWN <input checked="" type="radio"/>
GUNNIGLE, JULIE (DEM) <input type="radio"/>	BUSBEE, JANET <input checked="" type="radio"/>
Write-In Candidate <input type="radio"/>	Write-In Candidate <input type="radio"/>
COUNTY RECORDER (VOTE FOR NOT MORE THAN 1)	Write-In Candidate <input type="radio"/>
Write-In Candidate <input type="radio"/>	Write-In Candidate <input type="radio"/>
RICHER, STEPHEN I. (REP) <input checked="" type="radio"/>	MAYOR (VOTE FOR NOT MORE THAN 1)
FONTES, ADRIAN P. (DEM) <input type="radio"/>	ORTEGA, DAVID "DAVE" <input type="radio"/>
Write-In Candidate <input type="radio"/>	BOROWSKY, LISA <input checked="" type="radio"/>
COUNTY SCHOOL SUPERINTENDENT (VOTE FOR NOT MORE THAN 1)	WATSON, STEVE (REP) <input checked="" type="radio"/>
Write-In Candidate <input type="radio"/>	Write-In Candidate <input type="radio"/>
CASTEEN, JEANNE M. (DEM) <input type="radio"/>	COUNCILMEMBER (VOTE FOR NOT MORE THAN 3)
MCSALLY, MARTHA (REP) <input checked="" type="radio"/>	Write-In Candidate <input type="radio"/>
KELLY, MARK (DEM) <input type="radio"/>	SHERIFF (VOTE FOR NOT MORE THAN 1)
Write-In Candidate <input type="radio"/>	DURHAM, TOM <input type="radio"/>
Write-In Candidate <input type="radio"/>	JANIK, BETTY <input type="radio"/>

UNITED STATES SENATOR
TERM EXPIRES JANUARY 3, 2023
(VOTE FOR NOT MORE THAN 1)

TRUMP ☒
PENCE (REP)
BIDEN ☐
HARRIS (DEM)
JORGENSEN ☐
COHEN (LBT)
Write-In Candidate ☐

UNITED STATES SENATOR
TERM EXPIRES JANUARY 3, 2023
(VOTE FOR NOT MORE THAN 1)

TRUMP ☒
PENCE (REP)
BIDEN ☐
HARRIS (DEM)
JORGENSEN ☐
COHEN (LBT)
Write-In Candidate ☐

TRUMP PURE 'IsVOTE' UNDERVOTE #5

7-0739-00 - EV 0739 WINDMERE

07073900EE

OFFICIAL BALLOT

ELECTION TITLE: GENERAL ELECTION
ELECTION DATE: NOVEMBER 3, 2020
COUNTY OF MARICOPA, STATE OF ARIZONA

TO VOTE: COMPLETELY FILL THE OVAL(S) NEXT TO YOUR CHOICE(S), LIKE BELOW
DOE, JANE ☒

TO VOTE FOR A WRITE-IN CANDIDATE: PRINT THE NAME ATOP OF THE SHADED TEXT AND COMPLETELY FILL THE OVAL LIKE BELOW
John Doe ☒

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3. Put a mark according to the instructions next to the word "yes" or "for" for each proposition or question you wish to be adopted. Put a mark according to the instructions next to the word "no" or "against" for each proposition or question you wish not to be adopted.

BOARD OF SUPERVISORS DISTRICT 1 (VOTE FOR NOT MORE THAN 1)		MARICOPA COUNTY COMMUNITY COLLEGE DISTRICT AT-LARGE (VOTE FOR NOT MORE THAN 1)
SELLERS, JACK W. (REP) <input type="radio"/>		BOGGS, SHELLE RICHARDSON <input type="radio"/>
HODGE, JEVIN D. (DEM) <input checked="" type="radio"/>		THOR, LINDA M. <input type="radio"/>
COUNTY ASSESSOR (VOTE FOR NOT MORE THAN 1)		MARICOPA COUNTY COMMUNITY COLLEGE DISTRICT 1 (VOTE FOR NOT MORE THAN 1)
COOK, EDDIE (REP) <input type="radio"/>		
CONNOR, AARON (DEM) <input checked="" type="radio"/>		HENDRIX, LAURIN <input checked="" type="radio"/>
		SMITH, JACQUELINE V. <input type="radio"/>
COUNTY ATTORNEY (VOTE FOR NOT MORE THAN 1)		
ADEL, ALLISTER (REP) <input type="radio"/>		
GUNNIGLE, JULIE (DEM) <input checked="" type="radio"/>		HIGH SCHOOL GOVERNING BOARD MEMBER (VOTE FOR NOT MORE THAN 3)
		BASTIAN, LORI <input type="radio"/>
COUNTY RECORDER (VOTE FOR NOT MORE THAN 1)		FLETCHER, DON <input checked="" type="radio"/>
RICHER, STEPHEN L. (REP) <input type="radio"/>		HODGE, BERDETTA B. <input type="radio"/>
FONTES, ADRIAN P. (DEM) <input type="radio"/>		JAMES, SARAH LINDSAY <input checked="" type="radio"/>
		LOWE, SANDY K. <input type="radio"/>
COUNTY SCHOOL SUPERINTENDENT (VOTE FOR NOT MORE THAN 1)		MONTERO, ARMANDO A. <input checked="" type="radio"/>
WATSON, STEVE (REP) <input type="radio"/>		MYRICK, MICHAEL RYAN <input type="radio"/>
CASTEEN, JEANNE M. (DEM) <input checked="" type="radio"/>		REESOR, PAIGE <input type="radio"/>
UNITED STATES SENATOR TERM EXPIRES JANUARY 3, 2023 (VOTE FOR NOT MORE THAN 1)		
MCSALLY, MARTHA (REP) <input checked="" type="radio"/>		
KELLY, MARK (DEM) <input type="radio"/>		
SHERIFF (VOTE FOR NOT MORE THAN 1)		

PARTISAN BALLOT

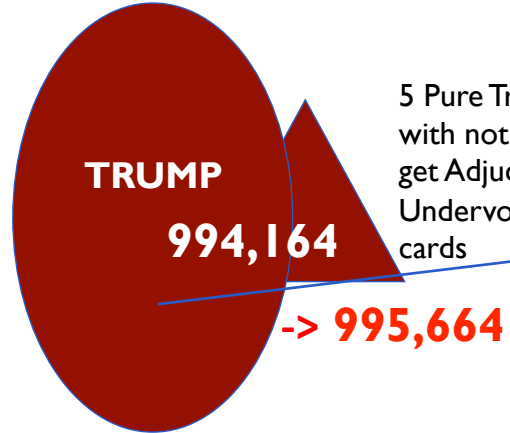
PRESIDENTIAL ELECTORS
(VOTE FOR NOT MORE THAN 1)

DOWNEY, STEVE COFFEE, KIMMY HOFFMAN, JANE LUTEN, JEFFREY T LUTEN, JANE MONTEGOMERY, ROBERT	MOOREHEAD, DANIEL PELLEGRINO, LORNAE B SANTIAGO, GREG WARD, KELLY WARD, MICHELLE	TRUMP PENCE (REP)
GALLAGHER, STEVE HERRERA, LUIS ALBERTO JACKSON, CHRISTOPHER KENNEDY, SHARON D LARSEN, JENNIFER MCKINLEY, JAMES	NELSON, TARA NORMAN, NED ROBERTSON, REGINA ROSEMAN, TILDA TARRANT, PETER	BIDEN HARRIS (DEM)
BERNARD, THOMAS BULL, KENNETH DANIEL, JEFFREY DANIEL FLORES, ALEJANDRO HILL, JERRY KELLEY, MICHELLE	MARSH, DAVID PERKINS, KAREN A RAY, BRADLEY STEWART, SCOTT WOOD, CATHY	JORGENSEN COHEN (LBT)

Phase II – Part 4

ECHOMAIL® CVR ANALYSIS OF ADJUDICATION PROCESS
FROM PRE-ADJUDICATION STATE TO POST-ADJUDICATION STATE

Pure IsVotes
& IsVotes Flagged
for Adjudication

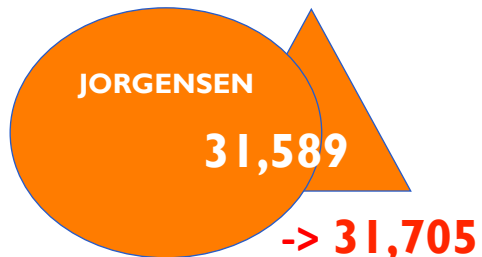
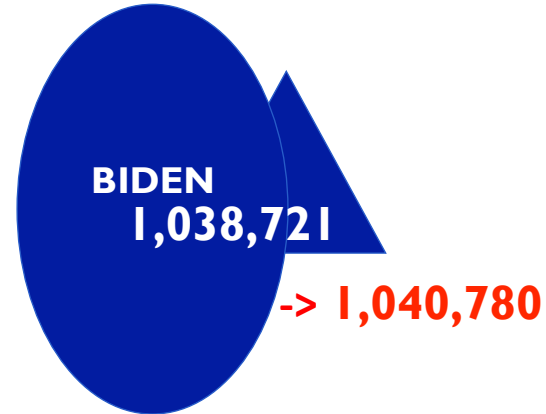


Undervotes
(9831 -> 8475)

5 Pure Trump IsVotes
with nothing flagged in CVR
get Adjudicated to 5
Undervotes w Modified
cards

**1170
Modified Cards**
With Original Cards Flagged

5 Modified Cards
NO Original Cards Flagged



Write Ins (9440 -> 7942)

**7942
Original and
Modified Pairs**

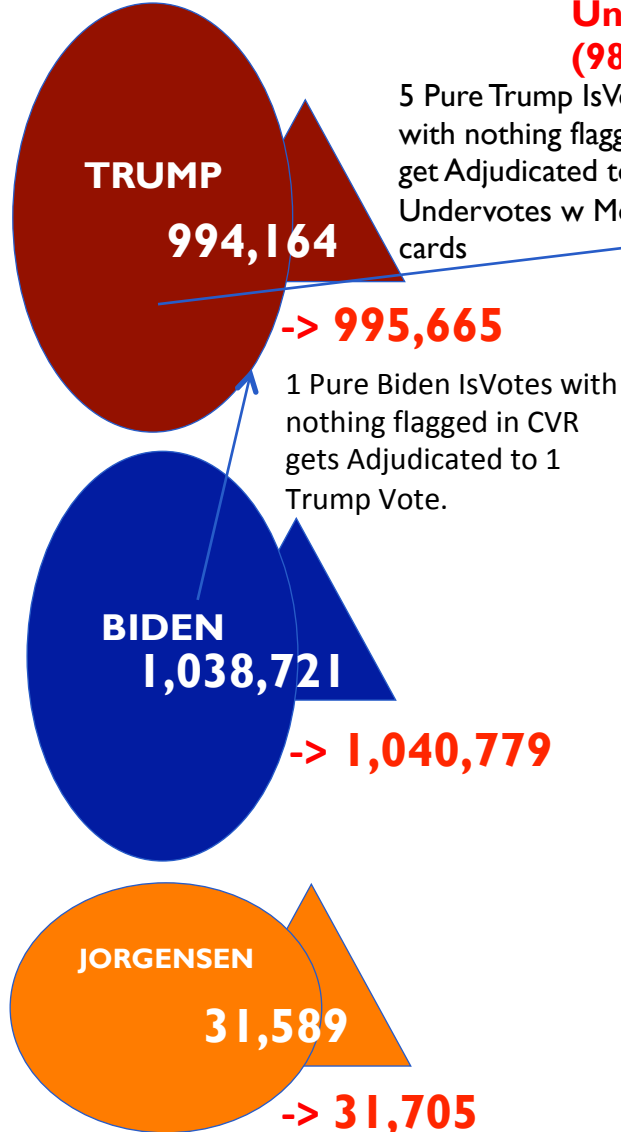
**5002
Original and
Modified Pairs**

Overvotes(7332 -> 5002)

PHASE II – PART 4

ECHOMAIL® CVR ANALYSIS OF ADJUDICATION PROCESS
FROM PRE-ADJUDICATION STATE TO POST-ADJUDICATION STATE

Pure IsVotes
& IsVotes Flagged
for Adjudication



Undervotes
(9831 -> 8475)

**1170
Modified Cards**
With Original Cards Flagged
5 Modified Cards
NO Original Cards Flagged

1 Pure Biden IsVotes with nothing
flagged in CVR gets Adjudicated to 1
Trump Vote.

Write Ins (9440 -> 7942)

**7942
Original and
Modified Pairs**

**5002
Original and
Modified Pairs**

Overvotes(7332 -> 5002)

BIDEN PURE 'IsVOTE' TO TRUMP #1

7-0602-00 - EV 0602 SIMIS

07060200EE

OFFICIAL BALLOT

ELECTION TITLE: GENERAL ELECTION
ELECTION DATE: NOVEMBER 3, 2020
COUNTY OF MARICOPA, STATE OF ARIZONA

TO VOTE: COMPLETELY FILL THE OVAL(S) NEXT TO YOUR CHOICE(S), LIKE BELOW

TO VOTE FOR A WRITE-IN CANDIDATE: PRINT THE NAME ATOP OF THE SHADED TEXT AND COMPLETELY FILL THE OVAL, LIKE BELOW

DOE, JANE ☒ John Doe ☒

Refer to full text of propositions and questions posted in the polling place, printed on the sample ballot and provided with all mailed early ballots.

1. Put a mark according to the instructions next to the name of each candidate for each office for whom you wish to vote.

2. If you wish to vote for a person whose name is not printed on the ballot, write such name in the blank space provided on the ballot and put a mark according to the instructions next to the name so written.

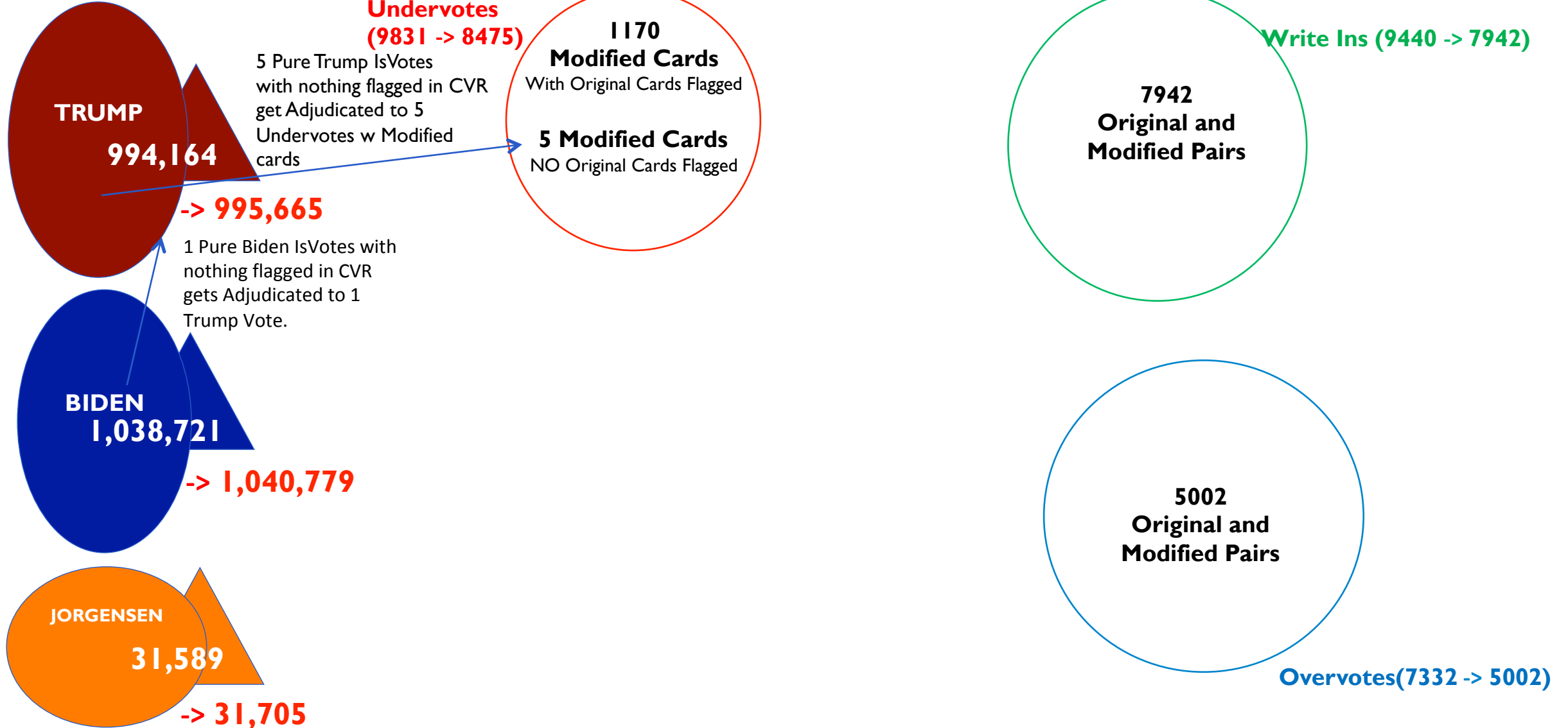
3. Put a mark according to the instructions next to the word "yes" or "no" for each proposition or question you wish to be adopted. Put a mark according to the instructions next to the word "no" or "against" for each proposition or question you wish not to be adopted.

PARTISAN BALLOT		MARICOPA COUNTY COMMUNITY COLLEGE DISTRICT AT-LARGE	
BOARD OF SUPERVISORS DISTRICT 3 (VOTE FOR NOT MORE THAN 1)		THOR, LINDA M. <input type="radio"/>	
GATES, BILL SHANE (REP) <input type="radio"/>		BOGGS, SHELLI RICHARDSON <input checked="" type="radio"/>	
WALKER, WHITNEY (DEM) <input type="radio"/>		<input type="radio"/>	
COUNTY ASSESSOR (VOTE FOR NOT MORE THAN 1)		HIGH SCHOOL GOVERNING BOARD MEMBER (VOTE FOR NOT MORE THAN 1)	
COOK, EDDIE (REP) <input type="radio"/>		ALSTON, LELA <input type="radio"/>	
CONNOR, AARON (DEM) <input type="radio"/>		ANWAR, GIRMAR <input type="radio"/>	
COUNTY ATTORNEY (VOTE FOR NOT MORE THAN 1)		CROSS, DEBBIE <input checked="" type="radio"/>	
ADEL, ALLISTER (REP) <input checked="" type="radio"/>		MARQUEZ, AARON <input checked="" type="radio"/>	
GUNNIGLE, JULIE (DEM) <input type="radio"/>		SHEPPARD, NEDRA A. <input type="radio"/>	
COUNTY RECORDER (VOTE FOR NOT MORE THAN 1)		SCHOOL GOVERNING BOARD MEMBER (VOTE FOR NOT MORE THAN 3)	
RICHER, STEPHEN L. (REP) <input checked="" type="radio"/>		SPEER, SARAH W. <input type="radio"/>	
FONTES, ADRIAN P. (DEM) <input type="radio"/>		GRESHAM, KAREN A. <input type="radio"/>	
COUNTY SCHOOL SUPERINTENDENT (VOTE FOR NOT MORE THAN 1)		GRESS, MATT <input type="radio"/>	
WATSON, STEVE (REP) <input checked="" type="radio"/>		HOLCOMB, SCOTT <input checked="" type="radio"/>	
CASTEEN, JEANNE M. (DEM) <input type="radio"/>		<input type="radio"/>	
UNITED STATES SENATOR TERM EXPIRES JANUARY 3, 2023 (VOTE FOR NOT MORE THAN 1)		MAYOR (VOTE FOR NOT MORE THAN 1)	
MCSALLY, MARTHA (REP) <input checked="" type="radio"/>		SHERIFF (VOTE FOR NOT MORE THAN 1)	
KELLY, MARK (DEM) <input type="radio"/>		<input type="radio"/>	

PHASE II – PART 4

ECHOMAIL® CVR ANALYSIS OF ADJUDICATION PROCESS
FROM PRE-ADJUDICATION STATE TO POST-ADJUDICATION STATE

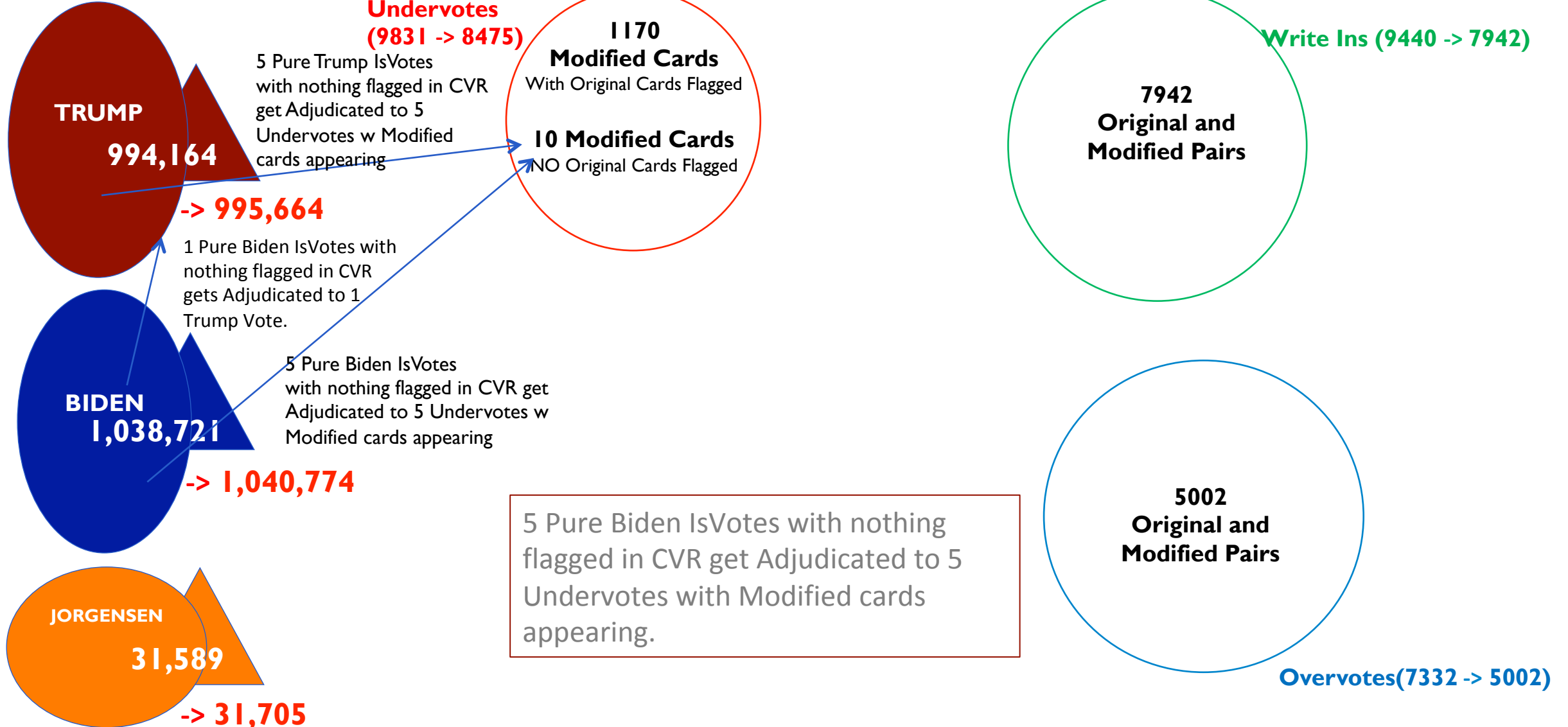
Pure IsVotes
& IsVotes Flagged
for Adjudication



Phase II – Part 4

ECHOMAIL® CVR ANALYSIS OF ADJUDICATION PROCESS
FROM PRE-ADJUDICATION STATE TO POST-ADJUDICATION STATE

Pure IsVotes
& IsVotes Flagged
for Adjudication



BIDEN PURE 'IsVOTE' TO UNDERVOTE #1

7-0558-01 PURPLE - EV 0558 SAGEBRUSH

07055801EE

OFFICIAL BALLOT

ELECTION TITLE: GENERAL ELECTION
ELECTION DATE: NOVEMBER 3, 2020
COUNTY OF MARICOPA, STATE OF ARIZONA

TO VOTE: COMPLETELY FILL THE OVAL(S) NEXT TO YOUR CHOICE(S), LIKE BELOW

TO VOTE FOR A WRITE-IN CANDIDATE: PRINT THE NAME ATOP OF THE SHADED TEXT AND COMPLETELY FILL THE OVAL, LIKE BELOW

DOE, JANE John Doe

Refer to full text of propositions and questions posted in the polling place, printed on the sample ballot and provided with all mailed early ballots.

COUNTY		PROPOSITION 449
BOARD OF SUPERVISORS DISTRICT 1 (VOTE FOR NOT MORE THAN 1) SELLERS, JACK W. (REP) <input type="radio"/> HODGE, JEVIN D. (DEM) <input checked="" type="radio"/>		A measure referred to the voters of Maricopa County to authorize the continuation of a secondary property tax levy for the benefit of the Maricopa County Special Health Care District for twenty years, as authorized by law (Chapter 31, Title 48, Arizona Revised Statutes). A "YES" vote will have the effect of continuation of the levy of a secondary property tax for the benefit of the Maricopa County Special Health Care District - which includes the public teaching hospital, the Arizona Burn Center, three behavioral health hospitals and 12 family health centers - for a period not to exceed twenty years, which tax is estimated at \$38 per year on a home assessed at \$200,000. A "NO" vote will have the effect of not approving the continuation of the levy of a secondary property tax for the benefit of the Maricopa County Special Health Care District, which tax will expire without voter approval before August 2025.
COUNTY ASSESSOR (VOTE FOR NOT MORE THAN 1) COOK, EDDIE (REP) <input type="radio"/> CONNOR, AARON (DEM) <input checked="" type="radio"/>		
PARTISAN BALLOT FEDERAL PRESIDENTIAL ELECTORS (VOTE FOR NOT MORE THAN 1) TRUMP <input type="radio"/> PENCE (REP) <input type="radio"/> BIDEN <input checked="" type="radio"/> HARRIS (DEM) <input type="radio"/> JORGENSEN <input type="radio"/> COHEN (LBT) <input type="radio"/>		MARICOPA COUNTY COMMUNITY COLLEGE DISTRICT AT-LARGE (VOTE FOR NOT MORE THAN 1) THOR, LINDA M. <input type="radio"/> BOGGS, SHELLI RICHARDSON <input checked="" type="radio"/>
COUNTY ATTORNEY (VOTE FOR NOT MORE THAN 1) ADEL, ALLISTER (REP) <input type="radio"/> GUNNIGLE, JULIE (DEM) <input checked="" type="radio"/>		MARICOPA COUNTY COMMUNITY COLLEGE DISTRICT 1 (VOTE FOR NOT MORE THAN 1) SMITH, JACQUELINE V. <input checked="" type="radio"/> HENDRIX, LAURIN <input type="radio"/>
COUNTY RECORDER (VOTE FOR NOT MORE THAN 1) RICHER, STEPHEN I. (REP) <input type="radio"/> FONTES, ADRIAN P. (DEM) <input checked="" type="radio"/>		TOWN OF GILBERT MAYOR (VOTE FOR NOT MORE THAN 1) NIELSEN, MATT <input type="radio"/>
COUNTY SCHOOL SUPERINTENDENT (VOTE FOR NOT MORE THAN 1) WATSON, STEVE (REP) <input type="radio"/> CASTEEN, JEANNE M. (DEM) <input checked="" type="radio"/>		
UNITED STATES SENATOR TERM EXPIRES JANUARY 3, 2023 (VOTE FOR NOT MORE THAN 1) MCSALLY, MARTHA (REP) <input type="radio"/> KELLY, MARK (DEM) <input checked="" type="radio"/>		
SHERIFF (VOTE FOR NOT MORE THAN 1)		

BIDEN PURE 'IsVOTE' TO UNDERVOTE #2

7-0685-01 PURPLE - EV 0685 TUTHILL

07068501EE

OFFICIAL BALLOT

ELECTION TITLE
GENERAL ELECTION
ELECTION DATE
NOVEMBER 3, 2020
COUNTY OF MARICOPA, STATE OF ARIZONA

TO VOTE: COMPLETELY FILL THE OVAL(S) NEXT TO YOUR CHOICE(S). LIKE BELOW

TO VOTE FOR A WRITE-IN CANDIDATE: PRINT THE NAME ATOP OF THE SHADED TEXT AND COMPLETELY FILL THE OVAL, LIKE BELOW

DOE, JANE ☒ John Doe ☒

Refer to full text of propositions and questions posted in the polling place, printed on the sample ballot and provided with all mailed early ballots.

1. Put a mark according to the instructions next to the name of each candidate for each office for whom you wish to vote.

2. If you wish to vote for a person whose name is not printed on the ballot, write such name in the blank spaces provided on the ballot and put a mark according to the instructions next to the name so written.

3. Put a mark according to the instructions next to the word "yes" or "for" for each proposition or question you wish to be adopted. Put a mark according to the instructions next to the word "no" or "against" for each proposition or question you wish not to be adopted.

COUNTY		WEST-MEC NO. 402 DISTRICT 4 (VOTE FOR NOT MORE THAN 1)
BOARD OF SUPERVISORS DISTRICT 4 (VOTE FOR NOT MORE THAN 1)		BACHANOS, JEWELENE <input checked="" type="radio"/>
HICKMAN, CLINT L. (REP) <input type="radio"/>		WYLLIE, BARBARA <input type="radio"/>
STORY, SUZANNE (DEM) <input checked="" type="radio"/>		Write-In Candidate <input type="radio"/>
COUNTY ASSESSOR (VOTE FOR NOT MORE THAN 1)		LITCHFIELD ELEM NO. 79 SCHOOL GOVERNING BOARD MEMBER (VOTE FOR NOT MORE THAN 3)
COOK, EDDIE (REP) <input type="radio"/>		CLYMER, DANIELLE E. <input checked="" type="radio"/>
CONNOR, AARON (DEM) <input checked="" type="radio"/>		HOENACK, A. JEREMY <input checked="" type="radio"/>
COUNTY ATTORNEY (VOTE FOR NOT MORE THAN 1)		ZUIDEMA, MELISSA A. <input checked="" type="radio"/>
ADEL, ALLISTER (REP) <input type="radio"/>		Write-In Candidate <input type="radio"/>
GUNNIGLE, JULIE (DEM) <input checked="" type="radio"/>		Write-In Candidate <input type="radio"/>
JUSTICES OF THE SUPREME COURT		Retain: BRUTINEL, ROBERT <input checked="" type="radio"/>
COUNTY RECORDER (VOTE FOR NOT MORE THAN 1)		GOULD, ANDREW W. <input checked="" type="radio"/>
RICHER, STEPHEN I. (REP) <input type="radio"/>		LOPEZ IV, JOHN <input checked="" type="radio"/>
FONTES, ADRIAN P. (DEM) <input checked="" type="radio"/>		LOPEZ IV, JOHN <input checked="" type="radio"/>
COUNTY SCHOOL SUPERINTENDENT (VOTE FOR NOT MORE THAN 1)		WATSON, STEVE (REP) <input type="radio"/>
CASTEEN, JEANNE M. (DEM) <input checked="" type="radio"/>		CASTEEN, JEANNE M. (DEM) <input checked="" type="radio"/>
UNITED STATES SENATOR TERM EXPIRES JANUARY 3, 2023 (VOTE FOR NOT MORE THAN 1)		JUDGES OF THE COURT OF APPEALS, DIVISION 1
MCSALLY, MARTHA (REP) <input type="radio"/>		Retain: Division 1 <input checked="" type="radio"/>
KELLY, MARK (DEM) <input checked="" type="radio"/>		Retain: Division 1 <input checked="" type="radio"/>
SHERIFF (VOTE FOR NOT MORE THAN 1)		Retain: Division 1 <input checked="" type="radio"/>

BIDEN PURE 'IsVOTE' TO UNDERVOTE #3

7-0611-01 PURPLE - EV 0611 SONOQUI

07061101EE

OFFICIAL BALLOT

ELECTION TITLE: GENERAL ELECTION
ELECTION DATE: NOVEMBER 3, 2020
COUNTY OF MARICOPA, STATE OF ARIZONA

TO VOTE: COMPLETELY FILL THE OVAL(S) NEXT TO YOUR CHOICE(S), LIKE BELOW

TO VOTE FOR A WRITE-IN CANDIDATE: PRINT THE NAME ATOP OF THE SHADED TEXT AND COMPLETELY FILL THE OVAL, LIKE BELOW

DOE, JANE John Doe

Refer to full text of propositions and questions posted in the polling place, printed on the sample ballot and provided with all mailed early ballots.

1. Put a mark according to the instructions next to the name of each candidate for each office for whom you wish to vote.

2. If you wish to vote for a person whose name is not printed on the ballot, write such name in the blank space provided on the ballot and put a mark according to the instructions next to the name so written.

3. Put a mark according to the instructions next to the word "yes" or "for" for each proposition or question you wish to be adopted. Put a mark according to the instructions next to the word "no" or "against" for each proposition or question you wish not to be adopted.

COUNTY		PROPOSITION 449
BOARD OF SUPERVISORS DISTRICT 1 (VOTE FOR NOT MORE THAN 1)	SELLERS, JACK W. (REP) <input type="radio"/> HODGE, JEVIN D. (DEM) <input checked="" type="radio"/>	A measure referred to the voters of Maricopa County to authorize the continuation of a secondary property tax levy for the benefit of the Maricopa County Special Health Care District for twenty years, as authorized by law (Chapter 31, Title 48, Arizona Revised Statutes).
Write-In Candidate <input type="text"/>		A "YES" vote will have the effect of continuation of the levy of a secondary property tax for the benefit of the Maricopa County Special Health Care District - which includes the public teaching hospital, the Arizona Burn Center, three behavioral health hospitals and 12 family health centers - for a period not to exceed twenty years, which tax is estimated at \$38 per year on a home assessed at \$200,000.
COUNTY ASSESSOR (VOTE FOR NOT MORE THAN 1)	COOK, EDDIE (REP) <input type="radio"/> CONNOR, AARON (DEM) <input type="radio"/>	A "NO" vote will have the effect of not approving the continuation of the levy of a secondary property tax for the benefit of the Maricopa County Special Health Care District, which tax will expire without voter approval before August 2025.
Write-In Candidate <input type="text"/>		YES <input checked="" type="radio"/> NO <input type="radio"/>
COUNTY ATTORNEY (VOTE FOR NOT MORE THAN 1)		MARICOPA COUNTY COMMUNITY COLLEGE DISTRICT AT-LARGE (VOTE FOR NOT MORE THAN 1)
ADEL, ALLISTER (REP) <input type="radio"/> GUNNIGLE, JULIE (DEM) <input type="radio"/>		THOR, LINDA M. <input type="radio"/> BOGGS, SHELLI RICHARDSON <input checked="" type="radio"/>
Write-In Candidate <input type="text"/>		Write-In Candidate <input type="text"/>
COUNTY RECORDER (VOTE FOR NOT MORE THAN 1)		MARICOPA COUNTY COMMUNITY COLLEGE DISTRICT 1 (VOTE FOR NOT MORE THAN 1)
RICHER, STEPHEN I. (REP) <input type="radio"/> FONTES, ADRIAN P. (DEM) <input checked="" type="radio"/>		SMITH, JACQUELINE V. <input type="radio"/> HENDRIX, LAURIN <input checked="" type="radio"/>
Write-In Candidate <input type="text"/>		Write-In Candidate <input type="text"/>
COUNTY SCHOOL SUPERINTENDENT (VOTE FOR NOT MORE THAN 1)		WATSON, STEVE (REP) <input type="radio"/> CASTEEN, JEANNE M. (DEM) <input type="radio"/>
Write-In Candidate <input type="text"/>		QUEEN CREEK UNIF NO. 95 SCHOOL GOVERNING BOARD MEMBER (VOTE FOR NOT MORE THAN 3)
WATSON, STEVE (REP) <input type="radio"/> CASTEEN, JEANNE M. (DEM) <input type="radio"/>		REVOLT, JENNIFER <input type="radio"/>
Write-In Candidate <input type="text"/>		Write-In Candidate <input type="text"/>

UNITED STATES SENATOR
TERM EXPIRES JANUARY 3, 2023
(VOTE FOR NOT MORE THAN 1)

MCSALLY, MARTHA (REP) ☐
KELLY, MARK (DEM) ☐

Write-In Candidate

Write-In Candidate

BIDEN PURE 'IsVOTE' TO UNDERVOTE #4

7-0093-02 GREEN- EV		0093 CASHION	
07009302EE		OFFICIAL BALLOT	
ELECTION TITLE GENERAL ELECTION		TO VOTE, COMPLETELY FILL THE OVAL(S) NEXT TO YOUR CHOICE(S), LIKE BELOW	
ELECTION DATE NOVEMBER 3, 2020		TO VOTE FOR A WRITE-IN CANDIDATE: PRINT THE NAME ATOP OF THE SHADED TEXT AND COMPLETELY FILL THE OVAL, LIKE BELOW	
COUNTY OF MARICOPA, STATE OF ARIZONA		DOE, JANE <input checked="" type="radio"/> John Doe <input checked="" type="radio"/>	
Refer to full text of propositions and questions posted in the polling place, printed on the sample ballot and provided with all mailed early ballots.			
1. Put a mark according to the instructions next to the name of each candidate for each office for whom you wish to vote.		COUNTY TOLLESON UNION NO. 214	
2. If you wish to vote for a person whose name is not printed on the ballot, write such name in the blank space provided on the ballot and put a mark according to the instructions next to the name so written.		QUESTION	
3. Put a mark according to the instructions next to the word "yes" or "for" for each proposition or question you wish to be adopted. Put a mark according to the instructions next to the word "no" or "against" for each proposition or question you wish not to be adopted.		A "YES" vote shall authorize the Tolleson Union High School District Governing Board to continue the existing maintenance and operation budget override authority and resulting tax.	
PARTISAN BALLOT		A "NO" vote shall not authorize the Tolleson Union High School District Governing Board to continue the existing maintenance and operation budget override authority and resulting tax.	
FEDERAL		BUDGET OVERRRIDE CONTINUATION, YES <input checked="" type="radio"/>	
PRESIDENTIAL ELECTORS (VOTE FOR NOT MORE THAN 1)		BUDGET OVERRRIDE CONTINUATION, NO <input type="radio"/>	
TRUMP <input type="radio"/> PENCE (REP) BIDEN <input checked="" type="radio"/> HARRIS (DEM)		LITTLETON ELEM NO. 45	
COUNTY RECORDER (VOTE FOR NOT MORE THAN 1) RICHER, STEPHEN I. (REP) <input type="radio"/> FONTES, ADRIAN P. (DEM) <input checked="" type="radio"/>		SCHOOL GOVERNING BOARD MEMBER (VOTE FOR NOT MORE THAN 3)	
COUNTY SCHOOL SUPERINTENDENT (VOTE FOR NOT MORE THAN 1) WATSON, STEVE (REP) <input type="radio"/> CASTEEN, JEANNE M. (DEM) <input checked="" type="radio"/>		REYES, KATHY <input checked="" type="radio"/> Write-In Candidate <input type="radio"/>	
UNITED STATES SENATOR TERM EXPIRES JANUARY 3, 2023 (VOTE FOR NOT MORE THAN 1) MCSALLY, MARTHA (REP) <input type="radio"/> KELLY, MARK (DEM) <input checked="" type="radio"/>		CITY OF PHOENIX MAYOR (VOTE FOR NOT MORE THAN 1) SEAY, TIM <input type="radio"/> GALLEGOS, KATE <input checked="" type="radio"/>	
COUNTY ASSESSOR (VOTE FOR NOT MORE THAN 1) COOK, EDDIE (REP) <input type="radio"/> CONNOR, AARON (DEM) <input checked="" type="radio"/>		COUNCILMEMBER DISTRICT 7 (VOTE FOR NOT MORE THAN 1) ESTELA, CINTIA <input checked="" type="radio"/>	
COUNTY ATTORNEY (VOTE FOR NOT MORE THAN 1) ADEL, ALLISTER (REP) <input type="radio"/> GUNNIGLE, JULIE (DEM) <input checked="" type="radio"/>		COUNTY TREASURER (VOTE FOR NOT MORE THAN 1) FLUNOY, G. GRAYSON <input type="radio"/>	

BIDEN PURE 'IsVOTE' TO UNDERVOTE #5

7-0737-00 - EV 07073700EE 0737 WILLOW CANYON

OFFICIAL BALLOT

ELECTION TITLE: GENERAL ELECTION
ELECTION DATE: NOVEMBER 3, 2020
COUNTY OF MARICOPA, STATE OF ARIZONA

TO VOTE, COMPLETELY FILL THE OVAL(S) NEXT TO YOUR CHOICE(S), LIKE BELOW: **DOE, JANE**

TO VOTE FOR A WRITE-IN CANDIDATE, PRINT THE NAME ATOP OF THE SHADED TEXT AND COMPLETELY FILL THE OVAL, LIKE BELOW: **John Doe**

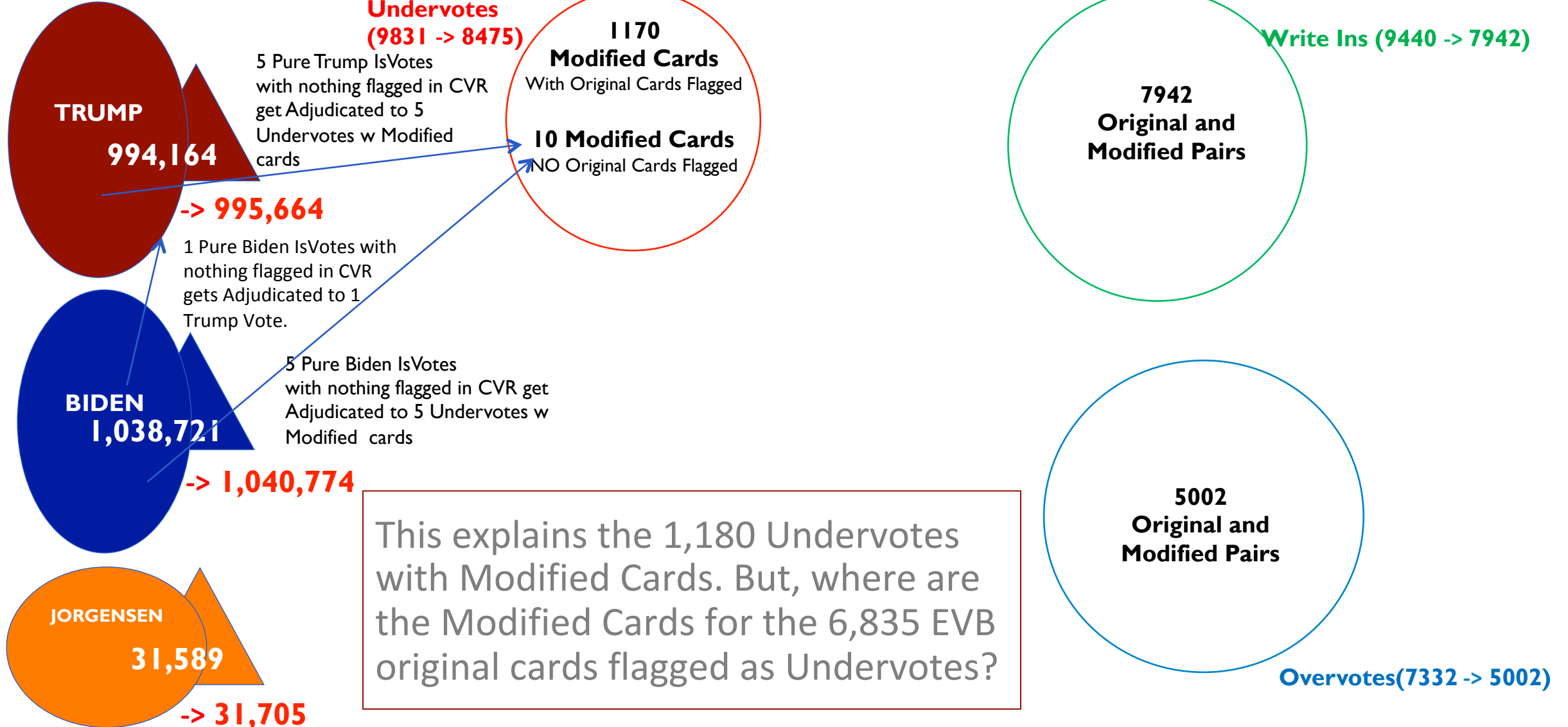
Refer to full text of propositions and questions posted in the polling place, printed on the sample ballot and provided with all mailed early ballots.

<p>1. Put a mark according to the instructions next to the name of each candidate for each office for whom you wish to vote.</p> <p>2. If you wish to vote for a person whose name is not printed on the ballot, write such name in the blank space provided on the ballot and put a mark according to the instructions next to the name so written.</p> <p>3. Put a mark according to the instructions next to the word "yes" or "for" for each proposition or question you wish to be adopted. Put a mark according to the instructions next to the word "no" or "against" for each proposition or question you wish not to be adopted.</p>	<p>BOARD OF SUPERVISORS DISTRICT 4 (VOTE FOR NOT MORE THAN 1)</p> <p>HICKMAN, CLINT L. (REP) <input type="radio"/></p> <p>STORY, SUZANNE (DEM) <input checked="" type="radio"/></p>		<p>WEST-MEC NO. 402 DISTRICT 4 (VOTE FOR NOT MORE THAN 1)</p> <p>WYLLIE, BARBARA <input checked="" type="radio"/></p> <p>BACHANOS, JEWELENE <input type="radio"/></p>
	<p>COUNTY ASSESSOR (VOTE FOR NOT MORE THAN 1)</p> <p>COOK, EDDIE (REP) <input type="radio"/></p> <p>CONNOR, AARON (DEM) <input checked="" type="radio"/></p>		<p>SCHOOL GOVERNING BOARD MEMBER (VOTE FOR NOT MORE THAN 3)</p> <p>GRANT, JO <input type="radio"/></p> <p>LEONARD, JAY DEAN <input type="radio"/></p> <p>MIETT, RHANNON <input type="radio"/></p>
	<p>COUNTY ATTORNEY (VOTE FOR NOT MORE THAN 1)</p> <p>ADEL, ALLISTER (REP) <input type="radio"/></p> <p>GUNNIGLE, JULIE (DEM) <input type="radio"/></p>		<p>PRITCHARD, CHRISTINE A.K. <input type="radio"/></p> <p>WILSON, CHARLES R. <input type="radio"/></p> <p>CHAFFIN, CHRYSTAL L. <input checked="" type="radio"/></p>
	<p>COUNTY RECORDER (VOTE FOR NOT MORE THAN 1)</p> <p>RICHER, STEPHEN I. (REP) <input type="radio"/></p> <p>FONTES, ADRIAN P. (DEM) <input checked="" type="radio"/></p>		<p>QUESTION</p> <p>A "YES" vote shall authorize the Dysart Unified School District Governing Board to continue the existing maintenance and operation budget override authority and resulting tax.</p> <p>A "NO" vote shall not authorize the Dysart Unified School District Governing Board to continue the existing maintenance and operation budget override authority and resulting tax.</p> <p>BUDGET OVERRIDE CONTINUATION, YES <input checked="" type="radio"/></p> <p>BUDGET OVERRIDE CONTINUATION, NO <input type="radio"/></p>
<p>PARTISAN BALLOT</p> <p>PRESIDENTIAL ELECTORS (VOTE FOR NOT MORE THAN 1)</p> <p>TRUMP <input type="radio"/></p> <p>PENCE <input type="radio"/></p> <p>BIDEN <input checked="" type="radio"/></p> <p>HARRIS <input type="radio"/></p> <p>JORGENSEN <input type="radio"/></p> <p>COHEN <input type="radio"/></p>	<p>UNITED STATES SENATOR TERM EXPIRES JANUARY 3, 2023 (VOTE FOR NOT MORE THAN 1)</p> <p>MCSALLY, MARTHA (REP) <input type="radio"/></p> <p>KELLY, MARK (DEM) <input checked="" type="radio"/></p>		<p>SHERIFF (VOTE FOR NOT MORE THAN 1)</p>

PHASE II – PART 4

ECHOMAIL® CVR ANALYSIS OF ADJUDICATION PROCESS
FROM PRE-ADJUDICATION STATE TO POST-ADJUDICATION STATE

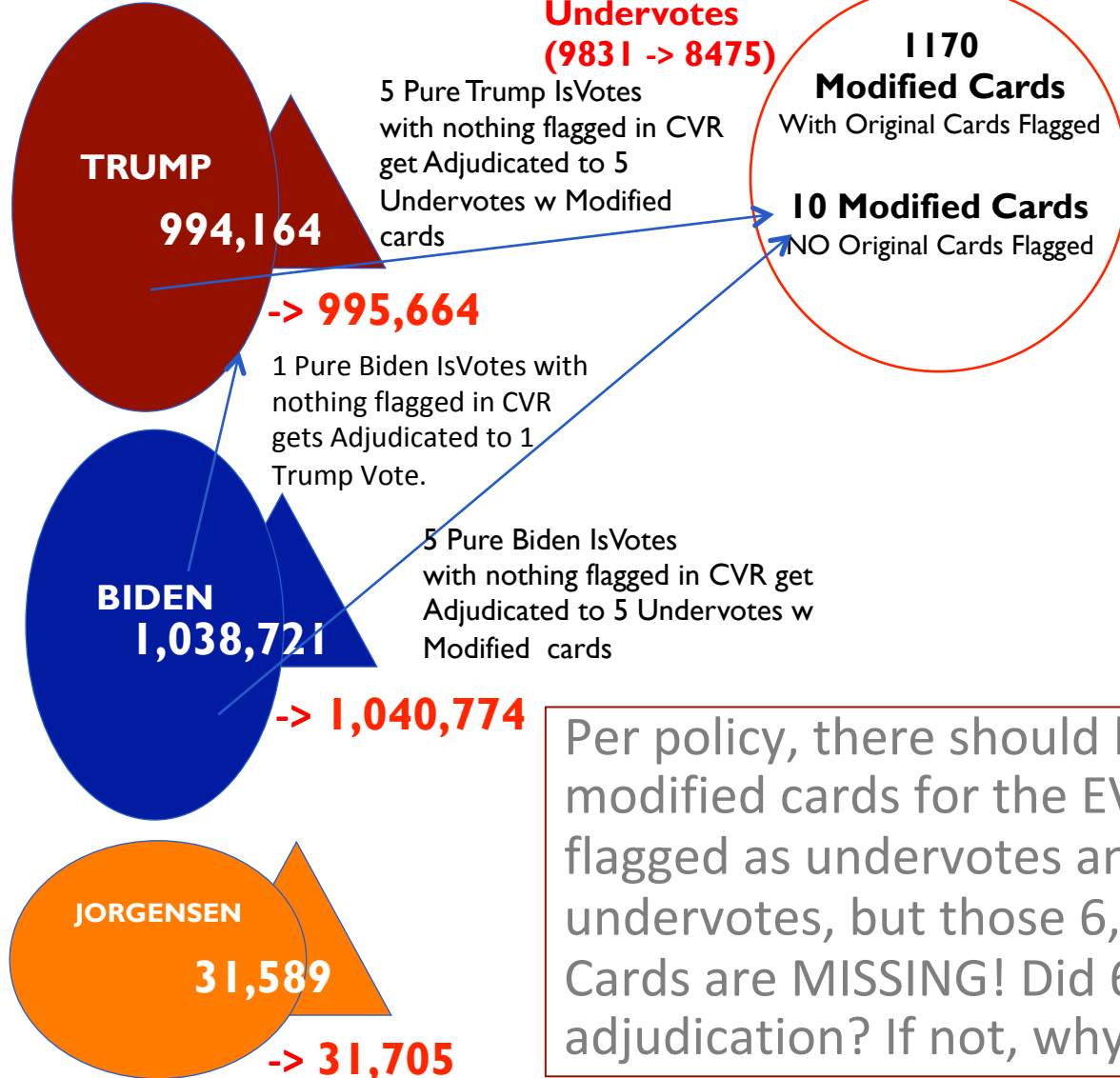
Pure IsVotes
& IsVotes Flagged
for Adjudication



Phase II – Part 4

ECHOMAIL® CVR ANALYSIS OF ADJUDICATION PROCESS
FROM PRE-ADJUDICATION STATE TO POST-ADJUDICATION STATE

Pure IsVotes
& IsVotes Flagged
for Adjudication



Per policy, there should be at least 6,835 modified cards for the EVBs which were flagged as undervotes and adjudicated as undervotes, but those 6,835 Modified Cards are MISSING! Did 6,835 go through adjudication? If not, why?

Write Ins (9440 -> 7942)

7942
Original and
Modified Pairs

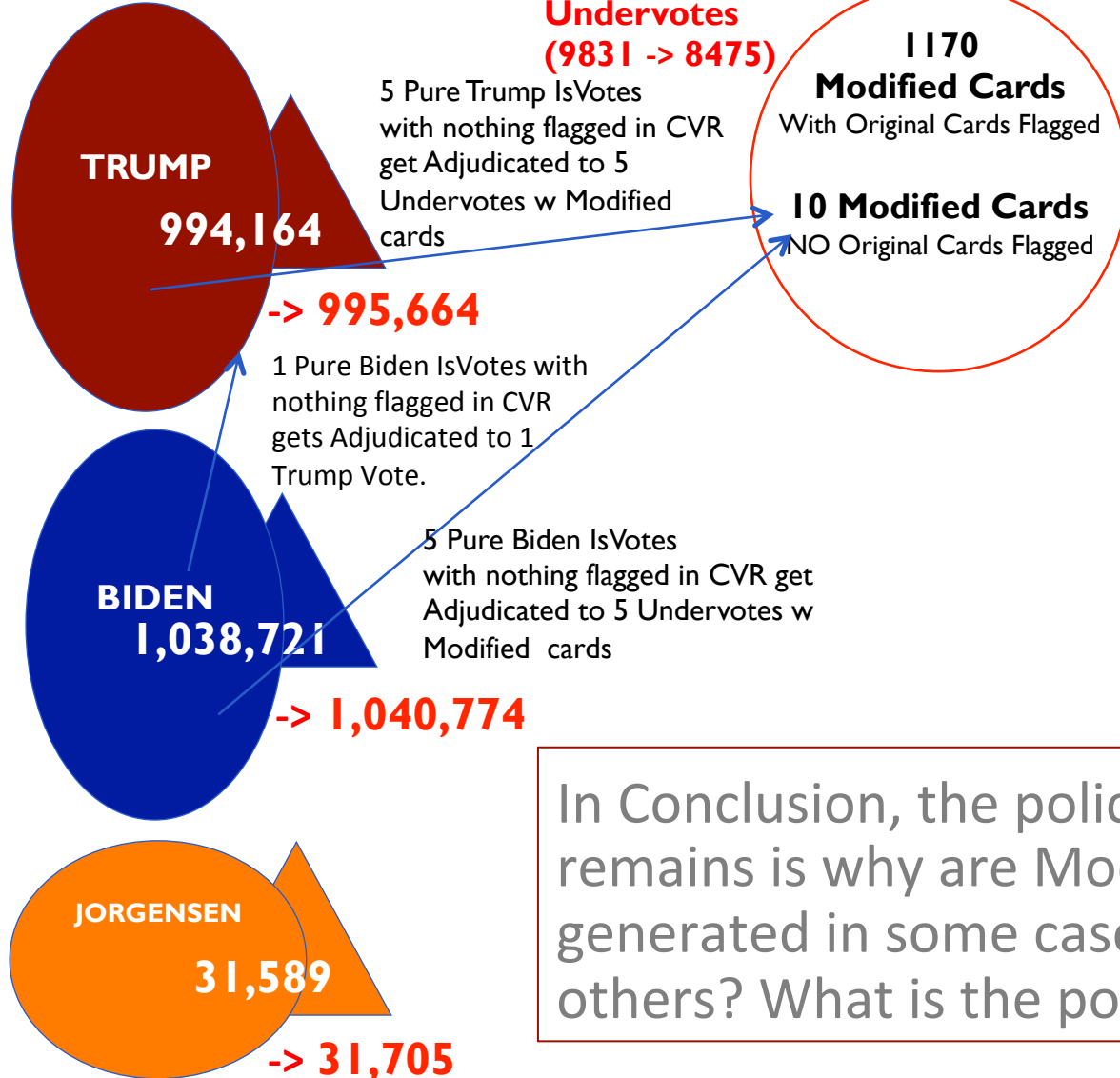
5002
Original and
Modified Pairs

Overvotes(7332 -> 5002)

PHASE II – PART 4

ECHOMAIL® CVR ANALYSIS OF ADJUDICATION PROCESS
FROM PRE-ADJUDICATION STATE TO POST-ADJUDICATION STATE

Pure IsVotes
& IsVotes Flagged
for Adjudication



In Conclusion, the policy question remains is why are Modified Cards generated in some cases and not in others? What is the policy?

Write Ins (9440 -> 7942)

7942
Original and
Modified Pairs

5002
Original and
Modified Pairs

Overvotes(7332 -> 5002)

Phase II – Part 4 Summary

- There needs to be full disclosure describing under what conditions the Dominion A.I. system decides what is a vote, write-in, undervote, overvote, ambiguous?
- Is a Modified Card generated for all EVBs whose Original Cards are flagged for adjudication? That is stated policy; however, it is not being followed. Why?
- More generally, in some cases Modified Cards are being generated as they should, and in other cases they are not, when they should.
- How can a pure 'IsVote' suddenly become adjudicated and a modified card be created without an Original Card being flagged for adjudication?

Phase II – Part 4 Summary

- How can pure 'IsVote' move from one candidate to another when it was never flagged for adjudication. Regardless of even it was ONE VOTE (Biden -> Trump), how could this occur? What policy allowed for this? If this can happen, then what is stopping adjudications to be created arbitrarily?
- The above observation is disconcerting as it took highly specialized experts at EchoMail to discover this “leak” in the system i.e. a vote to be transferred from one candidate to another when no adjudication was flagged.

PHASE III

EchoMail® A.I. *Initial* Ballot Image Analysis
vs. Dominion A.I. Ballot Image Analysis

Item	EchoMail® A.I.	Dominion A.I.	Delta	% Delta
Trump (pure)	973,329	993,973	(20,644)	-2.1%
Biden (pure)	1,019,881	1,038,321	(18,440)	-1.8%
Jorgensen (pure)	30,999	31,572	(573)	-1.8%
Write-In (pure)	7,724	7919	(195)	-2.5%
Overvotes ALL	9,279	7,332	1,947	26.6%
Other (Ambiguous & Undervotes)	<u>48,351</u>	<u>10,446</u>	<u>37,905</u>	<u>362.9%</u>
TOTAL	2,089,563	2,089,563	0	0%

“pure” when only one oval was selected per the A.I. algorithm

Phase III – Part 1 Summary

- EchoMail's initial Ballot Image analysis revealed that the Ballot Images quality was not homogeneous.
- The quality of Ballot Images generated at MCTEC among its 33 tabulators were significantly better than the Ballot Images generated at the 346 in-person tabulators across multiple precincts

Phase III – Part 1 Summary

MCTEC
Ballot Images
(clear and legible)

7-0555-00 - EV

OFFICIAL BALLOT

ELECTION TITLE: COUNTY OF MARICOPA, STATE OF ARIZONA

ELECTION DATE: NOVEMBER 3, 2023

TO VOTE COMPLETELY, FILL THE CHAIRS NEXT TO YOUR CHOICES. PRINT THE NAME AND/or OF THE SHADED TEXT AND COMPLETELY FILL THE CHAIRS. (SEE INSTRUCTIONS ON THE BACK OF THIS BALLOT.)

DOE, JANE (REP)

John Doe

Refer to the list of candidates and questions printed on the instructions, printed on the sample ballot and provided with all related early ballot.

1. Put a mark according to the instructions next to the name of each candidate for each office for which you wish to vote.

2. If you wish to vote for a person whose name is not printed on the ballot, write such name in the space provided on the ballot and print a mark according to the instructions next to the name in the space.

3. Put a mark according to the instructions next to the word "yes" or "no" for each proposition or question you wish to be answered. Put a mark according to the instructions next to the word "yes" or "no" for each proposition or question you wish to be answered.

COUNTY

BOARD OF SUPERVISORS

DISTRICT 1

(VOTE FOR NOT MORE THAN 1)

NICKOLAI, CLARE L. (REP)

STORY, SUSANNE (DEM)

COUNTY ASSESSOR

(VOTE FOR NOT MORE THAN 1)

COOK, EDDIE (REP)

CORCORAN, AARON (DEM)

JUDGES OF THE SUPREME COURT

DISTRICT 1

(VOTE FOR NOT MORE THAN 1)

BRUNELL, ROBERT

GOULD, ANDREW W.

JUDGES OF THE COURT OF APPEALS, DIVISION I

(VOTE FOR NOT MORE THAN 1)

LOPEZ, N. JOHN

PARTISAN BALLOT

(VOTE FOR NOT MORE THAN 1)

FEDERAL

PRESIDENTIAL ELECTORS

(VOTE FOR NOT MORE THAN 1)

TRUMP

COUNTY ATTORNEY

(VOTE FOR NOT MORE THAN 1)

ADEL, ALLISTER (REP)

DUNNIGLE, JULIE (DEM)

COUNTY RECORDER

(VOTE FOR NOT MORE THAN 1)

RICHIE, STEPHEN L. (REP)

FONTE, ADRIAN P. (DEM)

COUNTY SCHOOL SUPERINTENDENT

(VOTE FOR NOT MORE THAN 1)

WATSON, STEVE (REP)

CASTEN, JEANNE M. (DEM)

UNITED STATES SENATOR

TERM EXPIRES JANUARY 3, 2025

(VOTE FOR NOT MORE THAN 1)

MCALL, MARTHA (REP)

KELLY, MARK (DEM)

U.S. REP. IN CONGRESS

DISTRICT 1

(VOTE FOR NOT MORE THAN 1)

LEBO, DEBBIE (REP)

MURCADO, MICHAEL (DEM)

STATE SENATOR

DISTRICT 2

(VOTE FOR NOT MORE THAN 1)

GRAY, RICK (REP)

STATE REPRESENTATIVE

DISTRICT 2

(VOTE FOR NOT MORE THAN 1)

FRINGIELLO, BEVERLY (REP)

PAINE, NEVIN (REP)

MCINTYRE, KATHY (DEM)

CORPORATION COMMISSIONER

(VOTE FOR NOT MORE THAN 1)

O'CONNOR, JAMES "JIM" (DEM)

SLOAN, ERIC (REP)

MARQUEZ PETERSON, LEA (REP)

STANFIELD, SHEA (DEM)

TONKAR, ANNA (DEM)

MUNDELL, WILLIAM "BILLY" (DEM)

THOR, LINDA N.

BOGGS, SHELLI RICHARDSON

PARADISE VALLEY UNIF. NO. 89

SCHOOL GOVERNING BOARD MEMBER

(VOTE FOR NOT MORE THAN 1)

BROWN, STEPHANIE

CASE, NANCY

GREENBERG, MARY

CITY OF PHOENIX

MAYOR

(VOTE FOR NOT MORE THAN 1)

SEAY, TIM

GALLEGO, KATE

HAMILTON, WENDIA

COUNCIL MEMBER

DISTRICT 1

(VOTE FOR NOT MORE THAN 1)

STARK, DEBRA

GARCIA, NICOLE

PERCIE, KRISTEN

PROPOSITION 444

LOCAL GOVERNMENT FINANCIAL RESPONSIBILITY

(VOTE FOR NOT MORE THAN 1)

YES

NO

JUSTICES OF THE SUPREME COURT

DISTRICT 1

(VOTE FOR NOT MORE THAN 1)

BRUNELL, ROBERT

GOULD, ANDREW W.

JUDGES OF THE COURT OF APPEALS, DIVISION I

(VOTE FOR NOT MORE THAN 1)

LOPEZ, N. JOHN

JUDGES OF THE COURT OF APPEALS, DIVISION I

(VOTE FOR NOT MORE THAN 1)

MONTESE, PAUL

JUDGES OF THE COURT OF APPEALS, DIVISION I

(VOTE FOR NOT MORE THAN 1)

MORSE, JR., JAMES

Non-MCTEC
Ballot Images
(very light and illegible)

7-0553-00 - ED

OFFICIAL BALLOT

ELECTION TITLE: COUNTY OF MARICOPA, STATE OF ARIZONA

ELECTION DATE: NOVEMBER 3, 2023

TO VOTE COMPLETELY, FILL THE CHAIRS NEXT TO YOUR CHOICES. PRINT THE NAME AND/or OF THE SHADED TEXT AND COMPLETELY FILL THE CHAIRS. (SEE INSTRUCTIONS ON THE BACK OF THIS BALLOT.)

DOE, JANE (REP)

John Doe

Refer to the list of candidates and questions printed on the instructions, printed on the sample ballot and provided with all related early ballot.

1. Put a mark according to the instructions next to the name of each candidate for each office for which you wish to vote.

2. If you wish to vote for a person whose name is not printed on the ballot, write such name in the space provided on the ballot and print a mark according to the instructions next to the name in the space.

3. Put a mark according to the instructions next to the word "yes" or "no" for each proposition or question you wish to be answered. Put a mark according to the instructions next to the word "yes" or "no" for each proposition or question you wish to be answered.

COUNTY

BOARD OF SUPERVISORS

DISTRICT 3

(VOTE FOR NOT MORE THAN 1)

GATES, BILL SHANE (REP)

WALKER, WHITNEY (DEM)

COUNTY ASSESSOR

(VOTE FOR NOT MORE THAN 1)

COOK, EDDIE (REP)

CORCORAN, AARON (DEM)

JUDGES OF THE SUPREME COURT

DISTRICT 3

(VOTE FOR NOT MORE THAN 1)

BRUNELL, ROBERT

GOULD, ANDREW W.

JUDGES OF THE COURT OF APPEALS, DIVISION I

(VOTE FOR NOT MORE THAN 1)

LOPEZ, N. JOHN

PARTISAN BALLOT

(VOTE FOR NOT MORE THAN 1)

FEDERAL

PRESIDENTIAL ELECTORS

(VOTE FOR NOT MORE THAN 1)

TRUMP

COUNTY ATTORNEY

(VOTE FOR NOT MORE THAN 1)

ADEL, ALLISTER (REP)

DUNNIGLE, JULIE (DEM)

COUNTY RECORDER

(VOTE FOR NOT MORE THAN 1)

RICHIE, STEPHEN L. (REP)

FONTE, ADRIAN P. (DEM)

COUNTY SCHOOL SUPERINTENDENT

(VOTE FOR NOT MORE THAN 1)

WATSON, STEVE (REP)

CASTEN, JEANNE M. (DEM)

UNITED STATES SENATOR

TERM EXPIRES JANUARY 3, 2025

(VOTE FOR NOT MORE THAN 1)

MCALL, MARTHA (REP)

KELLY, MARK (DEM)

U.S. REP. IN CONGRESS

DISTRICT 1

(VOTE FOR NOT MORE THAN 1)

LEBO, DEBBIE (REP)

MURCADO, MICHAEL (DEM)

STATE SENATOR

DISTRICT 2

(VOTE FOR NOT MORE THAN 1)

GRAY, RICK (REP)

STATE REPRESENTATIVE

DISTRICT 2

(VOTE FOR NOT MORE THAN 1)

FRINGIELLO, BEVERLY (REP)

PAINE, NEVIN (REP)

MCINTYRE, KATHY (DEM)

CORPORATION COMMISSIONER

(VOTE FOR NOT MORE THAN 1)

O'CONNOR, JAMES "JIM" (DEM)

SLOAN, ERIC (REP)

MARQUEZ PETERSON, LEA (REP)

STANFIELD, SHEA (DEM)

TONKAR, ANNA (DEM)

MUNDELL, WILLIAM "BILLY" (DEM)

THOR, LINDA N.

BOGGS, SHELLI RICHARDSON

PARADISE VALLEY UNIF. NO. 89

SCHOOL GOVERNING BOARD MEMBER

(VOTE FOR NOT MORE THAN 1)

BROWN, STEPHANIE

CASE, NANCY

GREENBERG, MARY

CITY OF PHOENIX

MAYOR

(VOTE FOR NOT MORE THAN 1)

SEAY, TIM

GALLEGO, KATE

HAMILTON, WENDIA

COUNCIL MEMBER

DISTRICT 1

(VOTE FOR NOT MORE THAN 1)

STARK, DEBRA

GARCIA, NICOLE

PERCIE, KRISTEN

PROPOSITION 444

LOCAL GOVERNMENT FINANCIAL RESPONSIBILITY

(VOTE FOR NOT MORE THAN 1)

YES

NO

JUSTICES OF THE SUPREME COURT

DISTRICT 3

(VOTE FOR NOT MORE THAN 1)

BRUNELL, ROBERT

GOULD, ANDREW W.

JUDGES OF THE COURT OF APPEALS, DIVISION I

(VOTE FOR NOT MORE THAN 1)

LOPEZ, N. JOHN

JUDGES OF THE COURT OF APPEALS, DIVISION I

(VOTE FOR NOT MORE THAN 1)

MONTESE, PAUL

JUDGES OF THE COURT OF APPEALS, DIVISION I

(VOTE FOR NOT MORE THAN 1)

MORSE, JR., JAMES

Phase III – Part 1 Summary

- EchoMail's initial Ballot Image analysis revealed that the Ballot Images quality was not homogeneous.
- The quality of Ballot Images generated at MCTEC among its 33 tabulators were significantly better than the Ballot Images generated at the 346 in-person tabulators across multiple precincts
- EchoMail found only 19 ballot images out of 165,844 (0.02%) generated from In-person tabulators that were as clear and legible.
- EchoMail applied an enhanced Ballot Image analysis method to re-process all Ballot Images (Phase III – Part 2)

PHASE III – Part 2

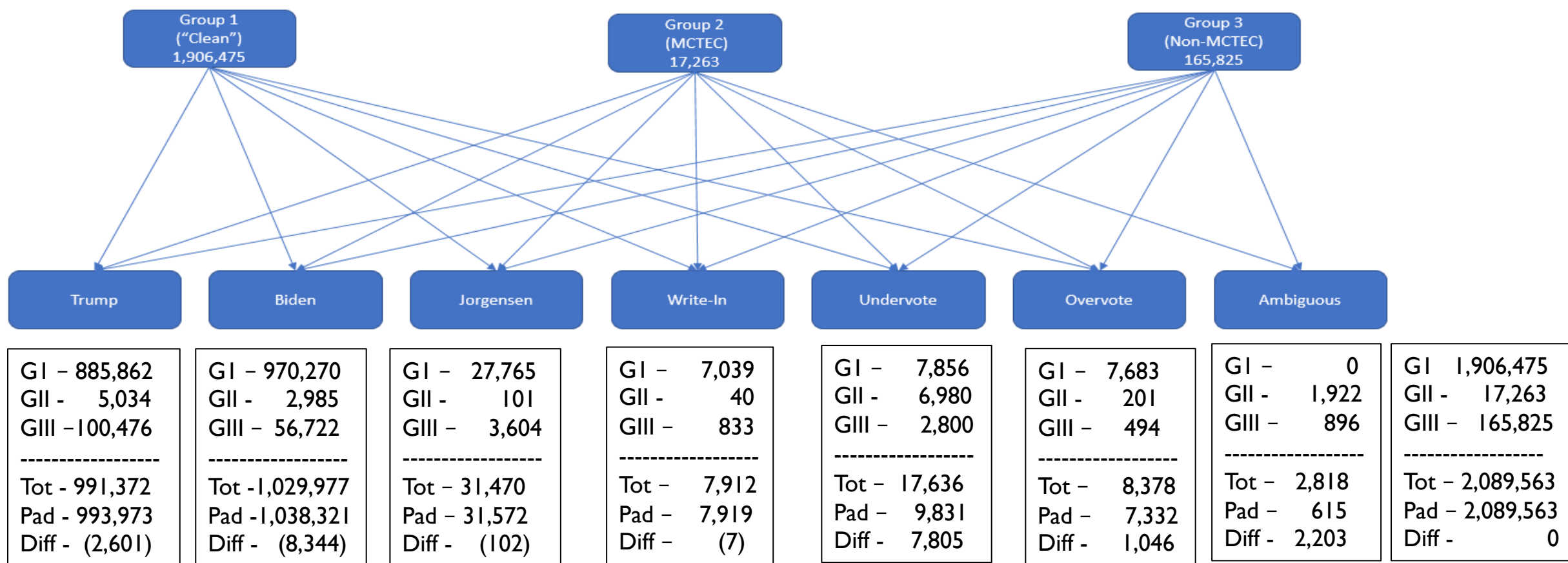
EchoMail® Enhanced Ballot Image Analysis Results

Group 1- MCTEC Images. Group 2 – MCTEC Images Misaligned. Group 3 – Faded Images from non-MCTEC

2,089,563

Tot = Total from EchoMail® A.I.

Pad = Pre-adjudicated from Dominion A.I.



PHASE III – Part 2

EchoMail® Enhanced Ballot Image Analysis Results

Item	EchoMail® A.I.	Dominion A.I.	Difference	% Difference
Trump (pure)	991,372	993,973	(2,601)	-0.3%
Biden (pure)	1,029,977	1,038,321	(8,344)	-0.8%
Jorgensen (pure)	31,470	31,572	(102)	-0.3%
Write-In (pure)	7,912	7919	(7)	-0.09%
Undervotes ALL	17,636	9,831	7,805	79.4%
Overvotes ALL	8,378	7332	1,046	14.3%
Ambiguous(~OV,~UV)	<u>2818</u>	<u>615</u>	<u>2,203</u>	<u>358.2%</u>
	2,089,563	2,089,563	0	0%

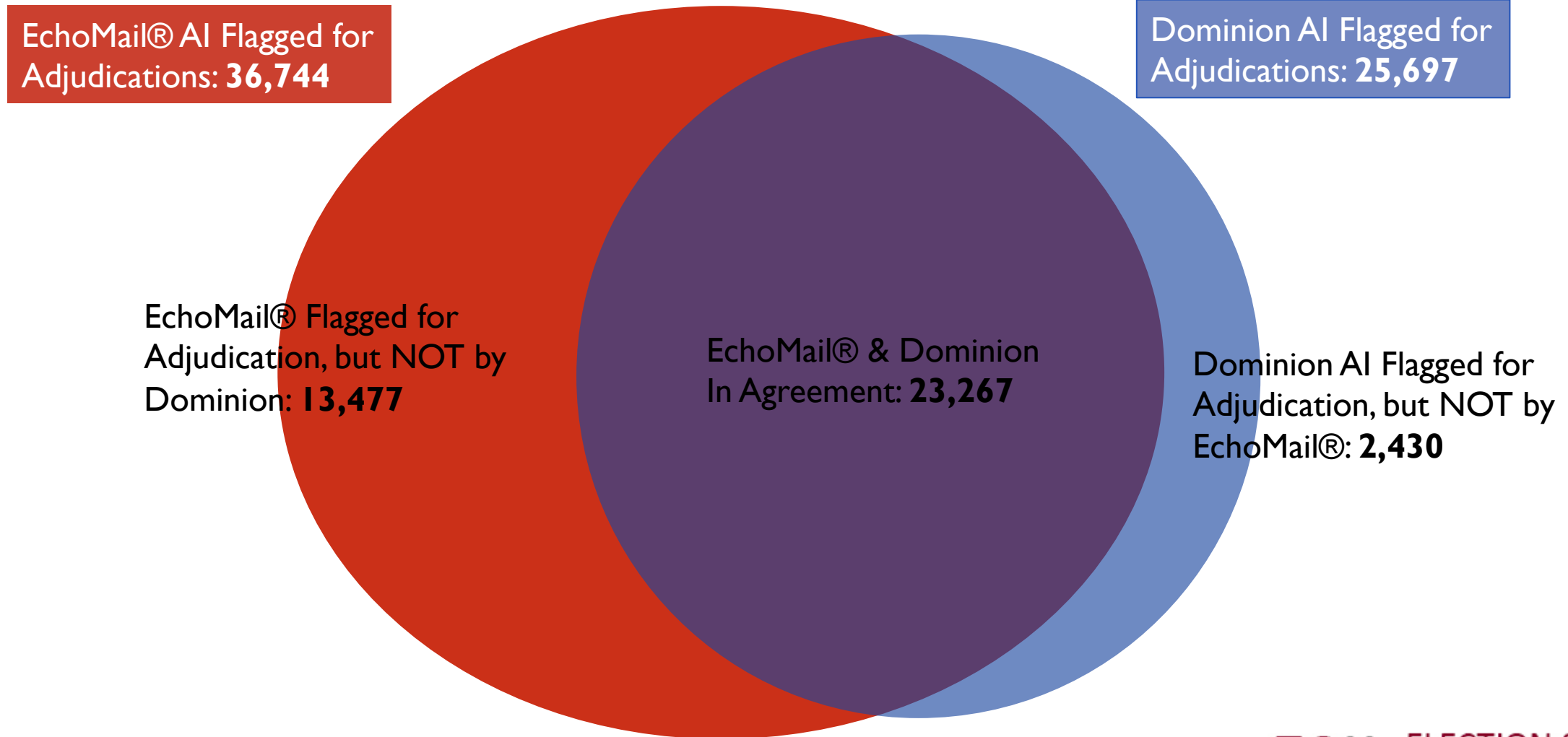
PHASE III – Part 2

EchoMail® A.I. Vs. Dominion A.I. Ballot Image Analysis Differences

Item	EchoMail® A.I.	Dominion A.I.	Common	EchoMail Difference	Dominion Difference
Trump (pure)	991,372	993,973	990,011	1361	3962
Biden (pure)	1,029,977	1,038,321	1,029,316	661	9005
Jorgensen (pure)	31,470	31,572	31,423	47	149
Flagged for Adjudication	36,744	25,697	23,267	13,477	2,430
Write-In (pure)	7,912	7919	7,892	20	27
Undervotes ALL	17,636	9,831	8,427	9209	1404
Overvotes ALL	8,378	7332	6,945	1433	387
Ambiguous(~OV,~UV)	<u>2,818</u>	<u>615</u>	<u>3</u>	<u>2815</u>	<u>612</u>
	2,089,563	2,089,563	2,074,017	15,546	15,546

PHASE III – Part 2

EchoMail® A.I. Vs. Dominion A.I. Ballot Image Difference Analysis on Adjudications



PHASE III – Part 2 Summary

- EchoMail® A.I. Ballot Image analysis and Dominion A.I. Ballot Image analysis prior to adjudication concur on 2,074,017 ballots, and do not concur on 15,546 ballots
- To resolve the 15,546 difference, it is necessary to know what policy i.e. rules and standards Dominion A.I. used in defining a vote, write-in, undervote, overvote, and ambiguous.
- Did Dominion A.I. use the SAME Ballot Images that EchoMail received? Or, did Dominion process real-time scans, perhaps in higher or different resolution in memory on the tabulators?
- Is there a difference between the Ballot Images analyzed by Dominion versus the Ballot Images later archived and provided to EchoMail?

PHASE III – Part 2 Summary

- Appendix C contains the 15,546 Ballot Images that differ with Dominion's A.I.:
 1. Directory: Trump-EchoMail-Difference containing 1,361 Ballot Images
 2. Directory: Trump-EchoMail-Difference containing 661 Ballot Images
 3. Directory: Trump-EchoMail-Difference containing 47 Ballot Images
 4. Directory: Flagged-for-Adjudication (4 Subdirectories) containing 13,477 Ballot Images
 - a. Sub-Directory: Write-Ins containing 20 Ballot Images
 - b. Sub-Directory: Undervotes containing 9,209 Ballot Images
 - c. Sub-Directory: Overvotes containing 1,433 Ballot Images
 - d. Sub-Directory: Ambiguous containing 2,815 Ballot Images

PHASE IV

EchoMail® A.I. vs. Maricopa CANVASS (Post-Adjudication)

Item	EchoMail® A.I.	Maricopa CANVASS	Common	EchoMail Difference	Dominion Difference
Trump (pure)	991,372	995,665	990,749	623	4,916
Biden (pure)	1,029,977	1,040,774	1,029,951	26	10,823
Jorgensen (pure)	31,470	31,705	31,462	8	243
Auto/Post-Adjudicated	36,744	21,419	20,964	15,780	455
Write-In (pure)	7,912	7,942	7,889	23	53
Undervotes ALL	17,636	8475	8,364	9,372	111
Overvotes ALL	8,378	5,002	4,711	3,667	291
Ambiguous(~OV,~UV)	<u>2,818</u>	<u>0</u>	<u>0</u>	<u>2,818</u>	<u>0</u>
	2,089,563	2,089,563	2,073,126	16,437	16,437

PHASE IV

- Appendix D contains the 16,437 Ballot Images that differ with *CANVASS*:
 1. Directory: Canvass-Trump-EchoMail-Difference containing 623 Ballot Images
 2. Directory: Canvass-Trump-EchoMail-Difference containing 26 Ballot Images
 3. Directory: Canvass-Trump-EchoMail-Difference containing 8 Ballot Images
 4. Directory: Canvass-Flagged-for-Adjudication (4 Subdirectories) containing 15,780 Ballot Images
 - a. Sub-Directory: Write-Ins containing 23 Ballot Images
 - b. Sub-Directory: Undervotes containing 9,372 Ballot Images
 - c. Sub-Directory: Overvotes containing 3,667 Ballot Images
 - d. Sub-Directory: Ambiguous containing 2,818 Ballot Images

CONCLUSIONS

CONCLUSIONS

- Why was analysis of Ballot Images & CVR not performed as first step in the Maricopa Audit? Millions of tax payer dollars and time could have been saved, and such effort could have been directed to real issues e.g. chain of custody, signature verification to advance election systems integrity
 - EchoMail® A.I. Ballot Image analysis identified 15,546 and 16,437 ballots that did not concur with Dominion A.I.'s pre-adjudicated tabulation and post-adjudicated tabulation, respectively. The Audit should have focused on these paper ballots versus reviewing all 2,089,563 ballots.
- Why are 6,835 Modified Cards missing. Per policy, for every Early Voting Ballot (EVB) where an Original Card in the Presidential Race was flagged for adjudication, there should be a Modified Card.

CONCLUSIONS

- When is a vote a vote given the inconsistent use of 'IsVote' flag by the Dominion A.I. system? Even experienced election officials cannot explain the inconsistencies?
- Why are any ballots – even one - being adjudicated for the Presidential Race when the Original Card was never flagged for adjudication?
- One important question that remains is are the Ballot Images for analysis during election by Dominion A.I. different than the Ballot Images archived and provided to EchoMail A.I. for analysis.

CONCLUSIONS

- The legislature, not a private corporation, must define the actual parameters that the A.I. should adhere to in determining a vote, write-in, undervote, overvote, or ambiguous.

FUTURE RESEARCH

FUTURE RESEARCH

- Had EchoMail® Ballot Images and CVR analysis, as herein, been done first, that would have provided more time, effort and resources to put into the real and substantive issues such as Chain of Custody and Signature Verification
- EchoMail as a follow up to this work and its previous research EVB Envelope Signature detection analysis is completing a EVB Envelope Signature Verification analysis to determine how many EVB Envelopes had non-matching signatures that did not go through the “curing” process

EchoMail® Audit of Ballot Images & Cast Vote Record (CVR) from 2020 U.S. Presidential Race in Maricopa County, AZ

If A.I. Driven Electronic Voting Systems Continue To Be Used, Legislatures (Not Private Corporations) Must Define the Parameters Used By Such A.I. In Vote Tabulation

Dr. Shiva Ayyadurai, MIT Ph.D.

S.B. Electrical Engineering & Computer Science, M.I.T.
S.M. Visual Studies, M.I.T. Media Laboratory
S.M. Mechanical Engineering, M.I.T.
Ph.D. Biological Engineering, M.I.T.

Uncorrupted Ballot Images Received:
EchoMail® Ballot Image Analysis Completed:
Draft Report Completed:
Report Posted to Public:

December 7, 2021
January 7, 2022
January 22, 2022
February 16, 2022

Delivered to:

Honorable Senator Karen Fann

President of the Senate
Arizona State Senate
1700 West Washington Street
Phoenix, AZ 85007

Honorable Mark Brnovich

Attorney General of Arizona Senate
Office of Attorney General
2005 N. Central Avenue
Phoenix, AZ 85004-2926