**High Level Requirements**

1.0 Provide a variety of ballot formats to maximize voter turnout

1.1 Provide paper ballots at locations that do not have access to updated

electronic voting systems

1.1.1 Paper ballots must be filled out in a secured area and placed in a

confidential envelope

1.1.2 Paper ballots must only be seen by counting officials when votes

are being tallied

1.2 Use public network direct recording electronic voting system/kiosk as primary method of collecting votes

1.3 Provide provisional ballots for absentee voters or if system issue arises

2.0 Issue receipt to voters immediately after ballot is submitted

2.1 Issue electronic receipt via email for electronic voters

2.1.1 Have the option to print a receipt on-site from the voting machine

2.2 Receive a ballot receipt if filling out a physical form in-person from an

administrator

2.3 Receive a receipt via email or mail if submitting an absentee ballot

3.0 Allow voters to review vote electronically before submitting final ballot

3.1. Voters should be able to return to previous pages when filling out ballot

electronically

3.1.1 Voters should be able to easily change their selections via touch screen

3.2 Voters should be able to view their complete ballot summary before submitting it

4.0 Make electronic user interface easy to read and operate

4.1. Use large text size and bold the names of candidates

4.1.1.Have braille and larger text size options for special needs voters

4.2. Enable touch screen technology

4.3 Have language options in English, Spanish, Chinese, and Hindi

5.0 Store voter data securely

5.1 Voting data should be recorded in a removable memory component

5.2 Store a printed copy of ballots in an encrypted local data system

5.3 Consolidate vote totals to a secure central location/data system in each state

6.0 Authenticate voter identity to verify eligibility

6.1. Require valid driver’s license or passport at polling location

6.2. Use artificial intelligence to recognize a voter based on a fingerprint or facial

scan

6.2.1 Use driver’s license or passport image stored in government

database for facial recognition

7.0 Audit votes to detect fraud

7.1 Conduct audits before and after elections, at least once a year

7.1.1 Compare paper votes and electronic votes using a random sample

of voting districts in each state

7.2 Review past voting receipts to verify if they match vote totals

8.0 Count votes in a timely manner

8.1 Allow all votes to come in within a 12 hour grace period

8.2 Count votes within 36 hours of the final polling day

8.2.1 Compile paper, provisional, and electronic ballots in each state

8.2.2 Perform at least two final counts for accuracy

9.0 Compile voter registration forms

9.1. Have voter registration forms accessible in local database so operators can

verify they are complete at polling locations

9.1.1 Update system continuously to account for incoming voter

registrations, up until the voter registration deadline

9.2 Grant access in each state to view other states’ voter registrations, to check if someone is registered in a different state

10.0 Accommodate voters with disabilities

10.1 Have at least 2 disability accommodation kiosks

10.1.1 Allow the use of approved headphones and foot pedals with a

government-issued notice

10.2 Allow wheelchair access at each polling location

11.0 Store voter data in records

11.1 Store voter data until 10 years after the death of the voter or 20 years after

their last vote if not listed as dead

11.2 Store data in a local system that is not Cloud-based

11.2.1 Have paper copies stored as backups at a central location in each

state

12.0 Test electronic voting system

12.1 Create a new private network for initial testing

12.1.1 Use a team of super-users to perform regression and user

acceptance testing

12.2 Move onto general population testing once super-users are satisfied

13.0 Prevent voters from voting multiple times

13.1 Upon submission, issue each voter a unique ID number to prevent them

from voting twice

13.1.1 Make this voting ID accessible to all states’ polling locations

13.1.2 Voter ID expires after each election

14.0 Implement cyber security system to prevent hacks

14.1 Lock votes after submission so they cannot be changed or accessed until

Counting

14.2 Encrypt voting data so voter identity remains anonymous

14.3 Enable firewalls to prevent foreign interference

15.0 Properly screen software developers, operators, and maintenance attendants

15.1 Conduct thorough background checks on all personnel who handle

electronic voting system

15.1.1 Check if they are U.S. citizens and are over the age of 18

15.1.2. Check if they have strong involvements in a political party or a

history of collusion

15.2 Grant limited access to voting data and system controls

16.0 Distribute authority among multiple administrators

16.1 Administrators may only operate at one polling location in one state

16.2 Administrators need to have a supervisor to audit their performance

16.3 At least two administrators need to be on premise at each polling location

17.0 Prohibit the use of personal electronics during voting

17.1 Restrict the use of cell phones, cameras, smart technology, recording

devices at polling locations

17.1.1 Require that personal electronics be handed in before approaching

the ballot and returned once ballot is submitted

17.1.2 Photos may only be taken outside the polling location

18.0 Ensure there are enough electronic voting machines at each polling location

18.1 Have at least 4 electronic voting machines at each location

18.2 Have at least 1 administrator for every 2 machines

18.3 Ensure each polling location has sufficient parking

19.0 Select polling locations in highly frequented areas with access to all demographics

19.1 Place electronic voting systems in schools, libraries, office buildings,

government buildings, and senior homes

19.1.1 If polling location is not government-affiliated, conduct background

checks on volunteers

19.1.2 Make sure there are CCTV cameras on-site

19.2 Have at least 4 polling locations per county

20.0 Restrict access to vote counting

20.1 Do not allow personnel involved in development, maintenance, or ballot

administration to count votes

20.1.1 Recruit approved counters who have had no visibility to voting data

during polling

21.0 Have the option of straight-ticket voting

21.1 Include an option in the corner of the kiosk screen to select all candidates

from one party on an electronic ballot

21.1.1 Before submission, have a message appear that asks users to

confirm their straight-ticket

22.0 Provide an unbiased blurb about each candidate so voters are educated and more likely to vote for all positions

22.1 Include a blurb about each candidates platform, when clicked, on the kiosk

so voters can compare candidates

23.0 Account for network/power/system failures

23.1 Have paper ballots at each electronic voting location in the case of a system

failure

24.0 Limit the hours operators and voters have access to the kiosks

24.1 Do not operate kiosks outside allotted polling hours

24.2 Lock systems during off-times so people cannot access them or vote

Illegitimately

24.3 Require a password to unlock the systems inside regular polling

hours

25.0 Partner with ride-share service to give rides to polling locations

25.1 Market to voters more than 50 miles away from a polling location in each

County

25.1.1 Provide the offer via email

25.2 Offer rides to polling locations during early voting as well

26.0 Summarize key statistics to news outlets

26.1 After votes have been counted, provide key statistics, without revealing

voter identities, to news outlets to report on after elections

26.1.1 Provide data on demographic, party, county, and historical trends

27.0 Count votes after final polling is complete

27.1 Do not count votes before the final election day

27.2 Do not allow vote totals to be disclosed until all votes have been collected

28.0 Require voter signature before submitting ballot

28.1 Before an electronic vote is submitted, ask for a signature via touch screen

for voters to sign

28.1.1 Store the electronic signature with a copy of the ballot in local

storage system

28.2 For paper ballots, require a physical signature

29.0 Clear electronic voting systems before they are used for another election

29.1 Remove pre-existing data and menu options from electronic voting system

before they are used again

29.1.1 Electronic systems should be scrubbed within 6 months of the next

election

30.0 Design kiosks so bystanders cannot see voter selections

30.1 Electronic voting systems in public areas should have screen protection so

bystanders cannot see voter selections

30.1.1 Have side panes that obscure screens

30.1.2 Darken the screen so it is not visible to bystanders