

1. Link:

<http://www.govtech.com/security/Oklahoma-Voting-System-Secure-Officials-Contend.html>

- a. IEEE citation: D. Denwalt, "Oklahoma Voting System Secure, Officials Contend," *Government Technology: State & Local Government News Articles*. [Online]. Available:  
<http://www.govtech.com/security/Oklahoma-Voting-System-Secure-Officials-Contend.html>. [Accessed: 29-Aug-2018].
- b. Summary: Due to the fears of foreign interference during the 2016 Presidential Election, many Oklahoma citizens were worried about the security of their voting system, and as a result, Oklahoma State Election Board Secretary Paul Ziriox offered reassurances and invested Oklahoma funds for the redesign of the state voting system. According to the article, the paper ballots are fed into a machine which are then processed into tabular form. Once done, the processed paper ballots are then sent to the Oklahoma Election Board through strongly secured and private connections.

2. Link:

<http://www.govtech.com/security/Sonoma-County-Calif-to-Replace-Aging-Voting-System.html>

- a. IEEE citation: J. D. Morris, "Sonoma County, Calif., to Replace Aging Voting System," *Government Technology: State & Local Government News Articles*. [Online]. Available:  
<http://www.govtech.com/security/Sonoma-County-Calif-to-Replace-Aging-Voting-System.html>. [Accessed: 29-Aug-2018].
- b. Summary: As of August 27, California's Sonoma County has announced that they will be updating their 35 year old voting system, Mark-A-Vote, for a much faster and efficient voting software. Unfortunately, the maintenance upkeep for the old system has been increasingly inconvenient as its aged parts come harder to find; additionally, Sonoma County only knows one person who has the knowledge base to maintain the aging system. The county is planning investing 2 million dollars on the development of their new voting system, focusing on faster voter counting and security. As of right now, the county has no choice but to rely on their old tech for the coming Nov. 6 election and will not expect the new system implementation until March.

3. Link:

<https://www.11alive.com/article/news/local/companies-vie-to-replace-georgia-voting-system/85-588471543>

- a. IEEE citation: D. Richards, "Companies vie to replace Georgia voting system," *WXIA*, 28-Aug-2018. [Online]. Available: <https://www.11alive.com/article/news/local/companies-vie-to-replace-georgia-voting-system/85-588471543>. [Accessed: 29-Aug-2018].
- b. Summary: As of today, the State of Georgia has had multiple companies proposing new ideas for their 20+ year old voting system. Two of the major advancements proposed is the use of a barcode scanners and the implementation of a new touch screen. Yet, many voting watchdogs have stated that it is possible to hack barcodes as they are unreadable to the human eye. According to the criticisms, it is possible rewrite a fake barcode within the system while outputting the correct one to trick the voter. As a result many companies are trying to balance efficiency with security.

4. Link:

<https://www.bostonglobe.com/opinion/editorials/2018/08/07/for-better-elections-give-ranked-choice-voting-chance/7mVpKtEBOzLHbWIBsJYHfM/story.html>

- a. IEEE citation: Associated Press, "For better elections, give ranked-choice voting a chance - The Boston Globe," *BostonGlobe.com*, 07-Aug-2018. [Online]. Available: <https://www.bostonglobe.com/opinion/editorials/2018/08/07/for-better-elections-give-ranked-choice-voting-chance/7mVpKtEBOzLHbWIBsJYHfM/story.html>. [Accessed: 29-Aug-2018].
- b. Summary: Massachusetts, according to the opinion piece, must follow int Maine's steps as they become the first state to implement a ranked based voting system, as opposed to a single vote system. The former allows the voter to rank their preference of candidates from least to greatest. The candidate who wins above 50% as first choice wins the election, but if no candidate wins above 50%, then the last candidate is eliminated and their votes are allocated to the second choice listed on those ballots.

5. Link:

<http://www.osetfoundation.org/blog/2018/7/18/demonizing-vendors-of-voting-systems>

- a. IEEE citation: E. J. Sebes, "Demonizing Vendors of Voting Systems," *OSET Institute - Open Source Election Technology*. [Online]. Available: <http://www.osetfoundation.org/blog/2018/7/18/demonizing-vendors-of-voting-systems>. [Accessed: 30-Aug-2018].
- b. Summary: As of last month, Voting system vendors haven't been having the most positive week. Many watchdog associations are calling out many vendors that

have Russian investments. As a result, many buyers are looking at vendors with a critical eye as, in the past, many of vendors have often made false claims about their product in order to sell, as a result many watchdog groups have been critical of the latter. As a team, we need to be honest with how we have implemented our systems and to make sure we are not falsely advertising our system.

6. Link:

[https://motherboard.vice.com/en\\_us/article/mb4ezy/top-voting-machine-vendor-admits-it-installed-remote-access-software-on-systems-sold-to-states](https://motherboard.vice.com/en_us/article/mb4ezy/top-voting-machine-vendor-admits-it-installed-remote-access-software-on-systems-sold-to-states)

- a. IEEE citation: K. Zetter, "Top Voting Machine Vendor Admits It Installed Remote-Access Software on Systems Sold to States," *Motherboard*, 17-Jul-2018. [Online]. Available: [https://motherboard.vice.com/en\\_us/article/mb4ezy/top-voting-machine-vendor-admits-it-installed-remote-access-software-on-systems-sold-to-states](https://motherboard.vice.com/en_us/article/mb4ezy/top-voting-machine-vendor-admits-it-installed-remote-access-software-on-systems-sold-to-states). [Accessed: 30-Aug-2018].
- b. Summary: One of the leading voting software companies, Election Systems and Software, has admitted to implementing a remote access program within the voting systems they sold from 2000 to 2006, despite their admissions to the contrary around the same time. Recently, the company has now admitted to installing a program called "pcAnywhere" which has raised numerous concerns and criticisms about the security of the system. As a result, the government can potentially issue a subpoena to try to collect the necessary evidence that may lead to the prosecution of ES&S. When we are designing our voting system, we need to make sure that there is not remote access inside our program, as it can potentially lead to a breach of security.

7. Link: <https://www.essvote.com/blog/52>

- a. IEEE citation: Election Systems & Software, *Election Systems & Software*. [Online]. Available: <https://www.essvote.com/blog/52>. [Accessed: 30-Aug-2018].
- b. Summary: According to the website, there are numerous ways in which votes are counted and may vary from county to county. The first type of voting is the traditional use of hand written ballots, where the voter must write one's vote. The vote is then manually counted. Then there are lever machines, which allows voters to privately vote within a curtain covered room. The latter was in use up until punch cards. In addition to the different styles of voting, there were numerous technological additions to the voting systems such as optical scan, Direct Recording Electronics, and Ballot marking devices to assist those with physical disabilities.

8. Link: <http://www.tenexsolutions.com/precinct-central/>

- a. IEEE citation: Tenex Software Solutions. (2018). iPad Electronic Poll Book. [online] Available at: <http://www.tenexsolutions.com/precinct-central/> [Accessed 30 Aug. 2018].
  - b. Summary: Tenex Software Solutions claims to offer the "next generation" of election software. Their product includes both an iPad based application and an online monitoring suite and offers both mobility and ease of use to both election staff and voters. The features of the software includes not only the expected voting process and ballot tracking, but also on-screen references, printable ballots for early voting, poll location transfer, same day registration, worker payroll, and more. This software allows for a smooth, quick election process for both worker and voter alike with just a simple iPad.
9. Link: <https://www.sagesmith.net/>
  - a. IEEE citation: Election Software Simplified. [online] Sagesmith.net. Available at: <https://www.sagesmith.net/> [Accessed 30 Aug. 2018].
  - b. Summary: SageSmith's software focuses on the simplification process of the most complex election jurisdictions. They boast that their product benefits millions in the "most complex election jurisdiction in the country": New York. The software is split into three distinct tools: InSite, which allows owners to monitor workers, transmit poll results, and monitor wait time for voters, Respond, which functions in mobile, and Call Center, which includes reporting and dispatching features. The software also provides detailed information on election facilities and delivery confirmation. They also have linked websites for voters to inform them on when and where to go, and for vote workers where potential employees can apply for jobs or take classes online.
10. Link: <https://www.bpro.com/>
  - a. IEEE citation: BPro. (2018). Your Vision. Our Solution | BPro TotalVote® Election Software. [online] Available at: <https://www.bpro.com/> [Accessed 30 Aug. 2018].
  - b. Summary: BPro's election software, TotalVote, primarily focuses on centralizing the entire voting process into one streamline software system. All aspects of the election process are handled through this software, without the need to transfer data back and forth. Voter registration, election management, election reports on election night, voter information, and even campaign finance are all contained within the system, among other features. This system was a national finalist for the NASS IDEAS Award, and supposedly offers a smooth, real-time experience.