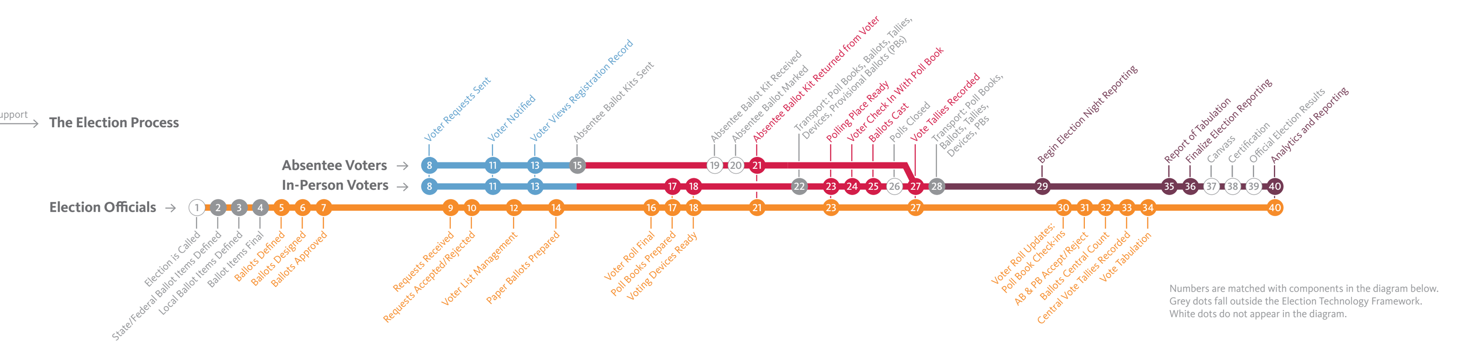
# Introducing the Election Technology Framework— Because We All Deserve a Better Voting Experience

**The TrustTheVote Project** —develops→ is a digital public works project to develop critical democracy infrastructure. We are designing and developing open-standards-based elections technology in collaboration with local election officials from all around the country.

**The Election Technology Framework** —consisting of→ is freely available for any jurisdiction (e.g., a county) to adopt, adapt, and deploy for public elections. Typically, each jurisdiction would have one copy of each component; though some voting components are deployed to each precinct. Open source, open standards, and open data are key aspects of the Election Technology Framework, intended to assist election officials in conducting election administration and elections operations in a process that is accurate, secure, transparent, and verifiable.

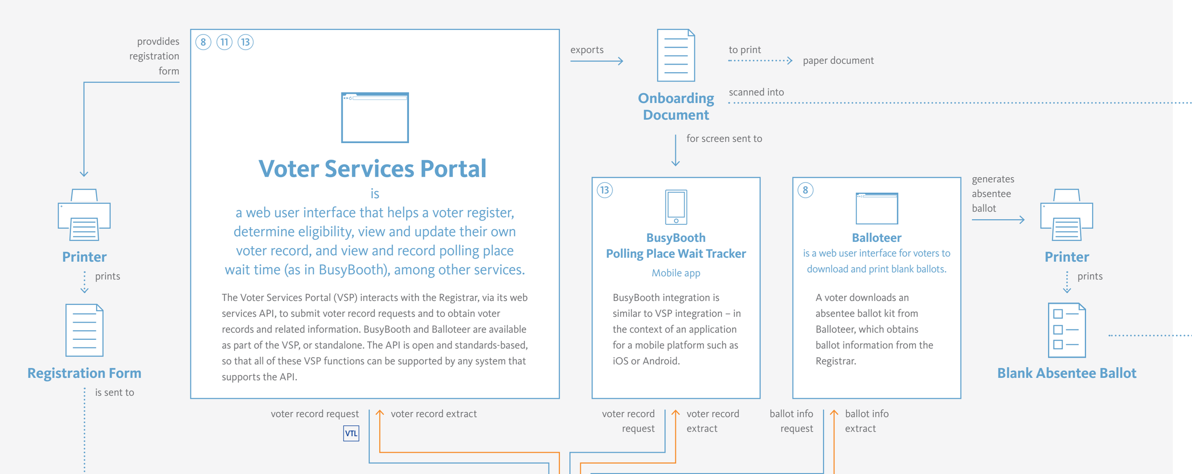
**Six Main Building Blocks** —to support→
- Registering
- Voting
- Reporting
- Managing
- Data Standards
- Guiding Principles

**The Election Process**



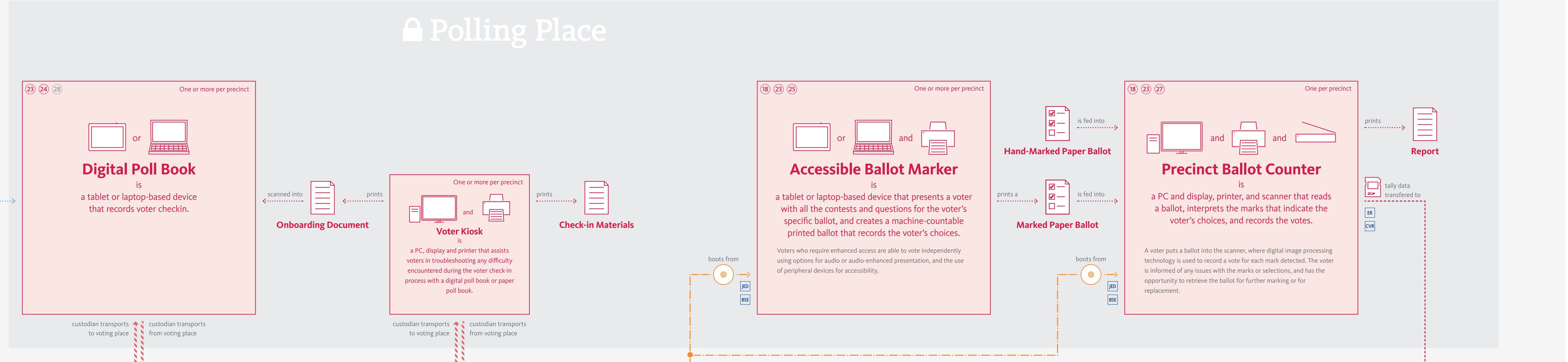

## Registering

Registering includes all the people, technology, and activities involved in voter registration, voter records management, voter information and services, and voter list management.



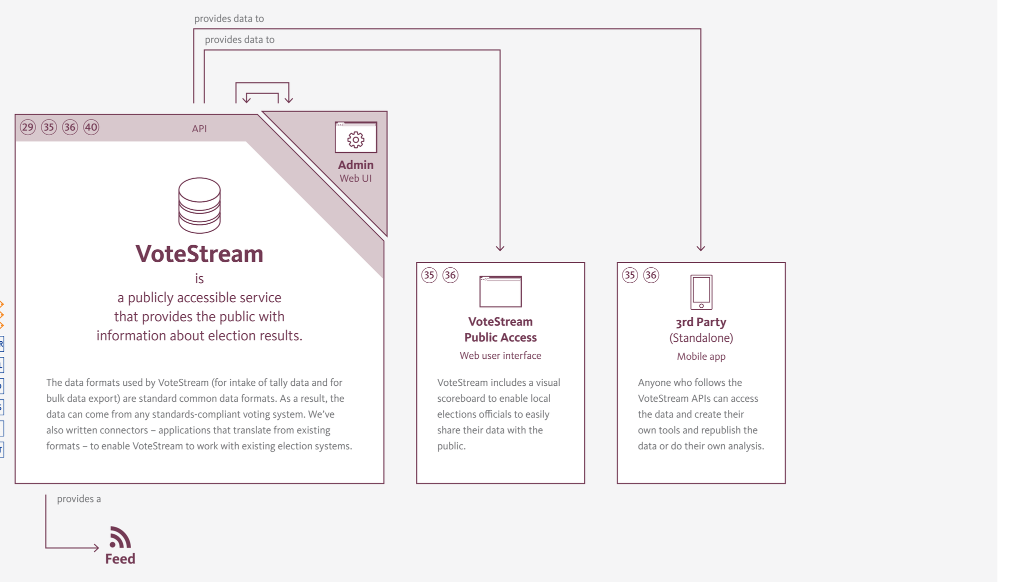

## Voting

Voting includes all the people, technology, and activities involved in the processes of casting and counting ballots.




## Reporting

Reporting is an integral aspect of the TrustTheVote Project's goal of making elections wholly transparent, accurate, and trustworthy. In the reporting phase, elections data is stored, analyzed, and prepared for public consumption.




## Managing

Managing includes all the technology-based activities of election officials for election administration and preparation for a specific election.

## Data Layer

The data layer includes a set of open standards for election data, defined with the help of local election officials and formalized through major standards organization.

The goal is to transform, normalize, aggregate, and publish election data to all citizens – in near real time.

**Election Data Manager**

**Ballot Design Studio**

**Device Manager**

**Registrar**

**VSP, BusyBooth, and Ballotter**

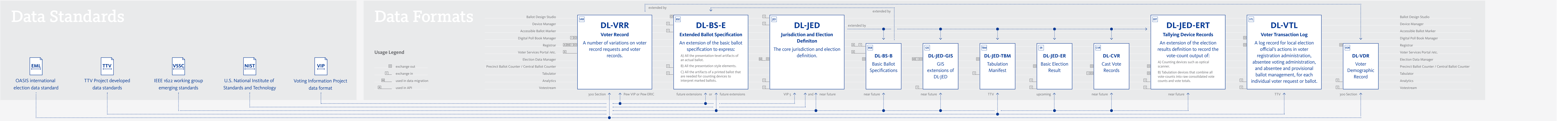
**Digital Poll Book Manager and Digital Poll Books**

**Accessible Ballot Marker**

**Ballot Counting Devices**

**Tabulator**

**VoteStream and Analytics**




## Guiding Principles

Elections technology must be...

### Accurate

List all voters and only eligible voters on voter rolls. Count votes without errors, as they were cast.

### Secure

Ensure voter privacy, data integrity, system reliability, and proper authentication and authorization for access.

### Transparent

Allow verification of required accuracy. Log all changes to guarantee accountability.

### Verifiable

Enable everything that matters about an election to be independently verified, including accuracy and security.

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