The Contract

- Request for Proposal Issued June 20, 2012 – *Design and Installation of Statewide Online Ballot Delivery and Tracking System*
- An online ballot delivery solution for voters under the Uniformed and Overseas Absentee Voting Act (UOCAVA) and non-UOCAVA voters

- Intent to award issued July 20, 2012
- Email notification of ballot availability sent to UOCAVA voters on September 22, 2012 for the November 6, 2012 General Election
- Email notification of ballot availability sent to non-UOCAVA voters beginning October 22, 2012 for the November 6, 2012 General Election

- For 2014, system was available to voters for both August 19 Primary and November 4 General elections
The Build

• The voter portal
  • Compliant with Section 508 and Web Content Accessibility Guidelines (WCAG 2.0)
  • Standard browsers: Internet Explorer, Firefox, Chrome and Safari (must be current for encryption purposes)
  • Voter credentials to log in
  • Flow of the system

• The ballot
  • GEMS
  • Online marking

• Ballot return
  • Online
  • Mail
  • Fax (2012 only)

• The voter materials
  • Voter Instructions (email and online)
  • PDF of ballot
  • Voter certificate and identification sheet
  • Return envelopes

• Back office
  • Ballot packages: online and by mail
  • Ballot duplication: automated and hand-duplicated
Mock Election

- Upon completion of the build and prior to each election cycle, a mock election is performed using test data.

- All “bugs” are addressed and data cleared prior to building the election and loading the ballot data files and voter files.
Election Preparation

- System administrator logs into the Election Administration portal

- Creates election event:
  - Election name
  - Dates
  - Election type
- Prepare email notification
- Upload PDF materials (certificate, envelopes, etc.)
- Election data is uploaded and ballots proofed
Voter Application and File Upload

- UOCAVA voters may apply any time during the calendar year. Notified of ballot availability begins no later than 45 days prior Election Day.

- Non-UOCAVA voters may apply beginning 15 days prior to Election Day. Notified of ballot availability typically within 12 to 24 hours after receipt of application.

- Applications requesting an electronic transmission ballot must be received by 5:00 p.m. Alaska Standard Time the day prior to Election Day.

- Data files are uploaded into the system steadily through the voting period.
The Voter Portal

- Voter receives e-mail notifying them of ballot availability, instructions and the URL link to voter portal

- Voters can select to download, send or track their ballot. Upon making selection, voter advances to login screen to enter credentials
• Voter downloads their ballot from system. The voter’s district designation, ballot option (primary) or judicial type (general) from the voter file, determines the ballot downloaded for the voter to vote.

• Voter selects to vote their ballot and the system leaves the voter portal and opens a new tab for the onscreen-marking wizard.
Voter receives an onscreen instruction for voting and begins the voting process by selecting their choices for each race or ballot proposition.
• If a voter does not select a choice the system provides a warning message.

• If a voter votes for more than one choice, the system provides a warning message and will not allow them to continue until corrected.

• At the end of voting, voters are provided with the opportunity to review their ballot and change their choices.
At the end of voting, voters download ballot as a PDF and save it to their personal computer.
After downloading and saving their ballot to their computer, the voter will be asked how they wish to return their ballot either by mail or by online return.
• Voter will download voter certificate to print, sign, provide an identifier and have it witnessed
• When returning online, voter will need to scan or take a picture of the certificate to upload into the system using their personal computer

• Voter uploads certificate

• Voter uploads ballot

• Receives confirmation of upload
When choosing to return ballot by mail, voter will receive the appropriate origami mailing envelopes and voter certificate to print, complete and use. Voter will need to print ballot.
Returned Ballot

- Ballots and certificates returned online are downloaded and printed by elections staff through the Election Administration portal, then secured and processed following division procedures.
- Ballots sent by mail are received and processed following division procedures.
Ballot Replication Tool

- Voter’s choices are embedded in bar code. No personal information about the voter is embedded in the bar code.
- The bar code of the online ballot is scanned and an optical scan replicated ballot is printed.
- Each ballot is encoded with a unique identifier to ensure that a ballot is not replicated more than one time.
# Statistics

### 2012 General Election

<table>
<thead>
<tr>
<th>Online UOCAVA</th>
<th>Issued: 2,305</th>
<th>Returned: 1,600</th>
</tr>
</thead>
<tbody>
<tr>
<td>Online Non-UOCAVA</td>
<td>Issued: 5,078</td>
<td>Returned: 3,639</td>
</tr>
</tbody>
</table>

**Total Online Ballots Issued and Returned**
- Total Issued: 7,383
- Total Returned: 5,239
- Percentage: 70.96%

### 2014 Primary Election

<table>
<thead>
<tr>
<th>Online UOCAVA</th>
<th>Issued: 725</th>
<th>Returned: 319</th>
</tr>
</thead>
<tbody>
<tr>
<td>Online Non-UOCAVA</td>
<td>Issued: 1,150</td>
<td>Returned: 846</td>
</tr>
</tbody>
</table>

**Total Online Ballots Issued and Returned**
- Total Issued: 1,875
- Total Returned: 1,165
- Percentage: 62.13%

### 2014 General Election

<table>
<thead>
<tr>
<th>Online UOCAVA</th>
<th>Issued: 1,794</th>
<th>Returned: 1,295</th>
</tr>
</thead>
<tbody>
<tr>
<td>Online Non-UOCAVA</td>
<td>Issued: 2,556</td>
<td>Returned: 2,172</td>
</tr>
</tbody>
</table>

**Total Online Ballots Issued and Returned**
- Total Issued: 4,350
- Total Returned: 3,467
- Percentage: 79.70%
Security

- Software solution developed using industry standard secure software development life-cycle (S-SDLC) methodology
- Solution platforms are hosted in a dedicated secure data center behind redundant firewalls staffed 24/7 with high availability access
- Encrypted transmission of data through hardened (SSL/TLS) transmission channels combined with the use of digital certificates for ballot delivery and encrypted storage of election and voter information protect the data
- Secure key management and handling is used to protect voter privacy and secrecy
- Voter logs in using their credentials via (SSL/TLS) connection
- On-screen ballot marking utility implements a specialized masking protocol in the voter’s device that ensures that the voter’s choices are not known by the online platform or by any third-party device
The Future

- Continue to make improvements to the voter interface module
- Anticipate continued use of the system will generate more voters choosing to vote in this manner