

Item		Proposal	1	2	3
1		WCAG 2.0 (AA) and Section 508	Exceeds	Not supplied	Not supplied
<b>A. DESIGN REQUIREMENTS</b>					
2	i	Stateful Firewalls	Yes	Not supplied	Not supplied
3		Network perimeter intrusion detection	Yes	Not supplied	Not supplied
4		Anti-malware and antivirus on servers	Yes	Not supplied	Not supplied
5		Host-based intrusion detection & prevention	Yes	Not supplied	Not supplied
6		Secure login protocols: SSHv2, HTTPS (SSLv3, TLS)	Yes	Not supplied	Not supplied
7		Strong password hashing	Yes	Not supplied	Not supplied
8		Log successful and failed login attempts	Yes	Yes	Not supplied
9	ii	Hosted Internally	No	Yes?	No networking is necessary. Only one license for the State is required. Requested more information to propose specs for internal servers
<b>B. SYSTEM / TECHNICAL REQUIREMENTS</b>					
10	i	Web-Based Solution	IE10+, Firefox 20+, Chrome 24+, Safari 6+	Standard browsers	Yes, standard browsers, Wireless Application Program (WAP) and Mobile Apps for smart phones and tablets
11		Other tools required	CAC card-reading technology optional for digital signatures, Adobe Acrobat Reader (included in ballot package), printer	None provided	Smart phone or tablet can scan the CAC card's bar code. From a std computer, user enters CAC card's DoD ID #
12	ii	Password protected	Yes	Yes	Yes
13	iii	24x7x365 access	Yes	Not answered	Yes
14	iv	Accommodate minimum 10K users	Exceeds	Not answered	Yes

15	v	Accommodate minimum 5K simultaneous users	Exceeds	Not answered	Yes
16	vi	No cost to users	TRUE	Not answered	TRUE
17	vii	Be accessible and operate on PCs with low bandwidth or dial-up internet access	Yes	Not answered	Yes
18	viii	Password protected for access, moderations, control	Yes	Yes	Yes
19	ix	Unlimited access to any group of IP addresses	Yes	Not answered	Yes
20	x	Contingencies and alternatives to address emergencies, system failures, shutdowns	Yes, on their 2 hosted redundant servers	Not answered	On their hosted redundant servers, yes. Recommends the same for COV hosted servers
21	xi	No pop-up windows and/or ads shall display at anytime during user's session	True, with continuous monitoring for prevention	Not answered	TRUE, but for question G. i. they mention a pop-up
22	xii	Comply with COV security procedures	Committed to comply	Not answered	Committed to comply
<b>C. BALLOT CREATION</b>					
23	i	Each locality can manage their ballots	Yes-Customizable	Yes	Yes, Upload or email ballots. Vendor proofreads the ballots and posts them to each locality's site for their proof read
24	ii	Can handle federal-only and state-only ballot styles	Yes	Not answered	Yes
<b>D. BALLOT DISTRIBUTION</b>					
25	i	UOCAVA voters can access their ballots in the system	Not directly answered, only that it prevents unauthorized users from using the system	Yes	Yes

26	ii	Locality can send invitation email with link to eligible voters to access their ballot through the system	Yes	Yes	Yes
27	iii	Voter authenticate to a secure website, view correct and full ballot	Yes Authenticates on data elements from registration record (name, DOB, SSN4, or PIN and GUID)	Yes	Yes Authenticates on PIN, email, verification code and another customizable, if needed
28	iv	Website must meet all state and federal website design guidelines & stds and ADA	Yes	Not answered	Yes
29	v	Ballot may be printed, completed and returned by mail on paper sizes A4 and 8.5"x11"	Yes	Can be printed and returned by mail, paper size is not addressed	Yes
30		Voters can return ballot via secure electronic method	Yes	In development	Yes

#### E. MARKING BALLOTS

31	i	Voter can mark ballot online and review selections before finalizing ballot	Yes	Can mark ballot online, review before finalizing feature is not answered	Yes, with View/Print/Save button? Which opens a PDF and then click 'Back to Ballot' button
32	ii	Voters can vote for write-in candidates	Yes	Not answered	Yes
33	iii	Alert voter if they under or over vote and allow voter to correct	Yes	Not answered	Yes

34	iv	Ballot may be printed, completed and returned by mail on paper sizes A4 and 8.5"x11"	Yes	Can be printed and returned by mail, paper size is not answered	Yes
----	----	--	-----	---	-----

#### F. SECURE RETURN OF BALLOTS

35	i	Need to distinguish and enforce between who can vote electronically and who must vote by mail	Yes, by VERIS voter type	Not answered	Needs to activate that business rule.
36	ii	Ability to secure digital signature of voter and witness with ability to handle removal of requirement for witness signature	Yes?	Not answered	Configurable
37	iii	Enforce only 1 marked ballot submission per voter	Yes, but can handle technical exceptions with administrator involvement	Not answered	Yes, numbers each ballot a voter generates and accepts only one ballot
38	iv	System should display status of submitted ballot for voter as it changes	Not out of the box, can be customized to the format required by ELECT	Yes	With customized sub-routine
39	v	Confirmation email to voter that ballot successfully cast	Yes	Not answered	Yes
40	vi	Ballot to be securely returned to correct locality ensuring voter privacy. Certification of recorded submission as cast, preferred.	Yes	Yes? Ballot encrypted, stored in VERIS, record receipt of ballot.	?? E-ballots are locked PDFs from the voter's email account. When ballots are scanned, system records receipt and status of ballot.

#### G. OTHER CONSIDERATIONS

41	i	Secrecy of voted ballots shall be maintained	Yes, including audit history of admins	Unclear	Yes, pop-up informs voter that an elections person will see their marked ballot
42	ii	Auditing controls in place	Yes, adheres to VVSG guidelines	Unclear	Unclear, they mention logged data is secured, monitored and studied.(p. 47)
43	iii	System should not tally votes	True	Not answered	True, but the servers do not capture the marks.

#### H. MANAGEMENT PLATFORM

44	i	Provide uniform, interactive solution to be managed by ELECT using separate user accounts based on user access roles	Yes	Yes	Yes
45	ii	Marked ballots can only be access/viewed by local election officials of the locality where the ballot was cast	Yes	Yes	Yes, system doesn't capture the marks - (NOTE: how can e-ballots be counted?)

**I. REPORTS**

46	i	Customizable	No, 21 OOB reports	Yes	Yes, 13 pre-built. New reports require their engineers to build
47	ii	Provide statistical information for online votes requested, approved, denied, and cast based on user access roles while maintaining privacy of votes	Yes	Not answered	Yes, but not on one report, seemingly
48	iii	Detailed audit log of all actions associated with using the system	Yes	Not answered	Not currently, they answer Yes and follow with "We will generate... in any format.."
49	iv	Generate user reports in .txt, .rtf, .doc, .docx, .pdf, .xls, .xlsx formats	Only .xls and .xlsx	Yes	Can be provided

**VENDOR SERVICES, CAPABILITIES, COSTS, PRIOR EXPERIENCE, EXAMPLES, US STATES IN USE, OTHER**

50		States using online balloting	TX, Iowa, Nebraska, Illinois, Indiana, Washington	Louisiana?	Nevada, Montana, Washington DC
----	--	-------------------------------	---	------------	--------------------------------

51		General	Largest elections-only company in the world, in business > 35 yrs, privately owned, election equipment and software used by 41 states and 60% of voters	Acquired by GCR which developed the online balloting system, ERIN now available to Quest	Evaluators fro the FVAP rated system fastest and easiest for voters, fullest back end for admin, creates a YUFF (yearlong UOCAVA FPCA file) for the State, reassuring emails throughout the voting process, can be used by all voters, can create barcode on ballot, builds up a history of signatures, calculates risk factor of ID and duplication
52		Examples of work performed		ERIN system introduced in 2012, used in 16 elections, 29K emails, 4.5K email ballots returned	Provided details of 3 projects including overview, summary of services and business outcomes. Conducted a mobile mock election in Detroit in 2012 to prove the feasibility of UOCAVA voting via mobile devices. 2 elections, 60% of UOCAVA voters in Montana used the system to return ballots electronically with positive comments, image of the mobile app

53		Capabilities	<p>Blank ballot download, onscreen marking, bar-coded voter ballot receipt, secure e-ballot return. Easy administration for localities and ELECT, eliminates duplicate admin processes. Consistent with EAC standards and state certification for voting systems.</p>	<p>End-to-end election software solutions via cloud-based SaaS model. Complies with HAVA, NVRA, UOCAVA, MOVE and other state laws. Voter registration and Campaign Finance software clients.</p>	<p>Voter can access via web, Wireless Application Program (WAP), and Mobile Apps using smart phones and tablets, using iOS, Android and WAP mobile operating systems.</p>
54		Services	<p>Online and Onsite Training, Project Managers to lead implementation, teams of subject matter experts, technicians, engineers, as-needed contractors</p>	<p>Design, development, implementation, training, asset management / reporting, maintenance and warranty</p>	<p>Vendor can customize the system to conform to requirements</p>







4	5	6	7
	Not supplied	Not supplied	Not supplied

	Meets all State and federal website design and security standards, tested by numerous state and local jurisdictions	Meets all State and Federal website design guidelines and standards, including accessibility and security. Industry std symmetric and asymmetric encryption, tamper proof digital and physical security.	Meets the federal standards as well as the Virginia standards. Security of the system is of the highest quality levels (but no specifics mentioned)
	Yes		
	Not supplied		
	Yes	Yes, application server with JRE for Java SE 8 and a database server using MongoDB database and other recommendations.	Yes, with 20GB storage to handle 200K voter ballots and 5K concurrent users and software

	Yes, current version of all standard web browsers	Yes, Chrome, IE, Safari, Firefox	Yes - all browsers on a PC, Mac, tablet, or mobile device
	Includes option for use of CAC	SDK for CAC Card, Adobe Reader for the MAC. InTouch mobile phone app requires Voter to register specific phone # with Voter Reg Svce to return e-ballot	CAC or smart card reader (already installed on all military computers), Adobe PDF reader
	Yes	Yes	Yes
	Yes	Configurable	Yes
	Yes, unlimited	Yes, unlimited	Yes +, will store login/user info in SQL DB

	Yes, unlimited	Exceeds (tested with 500K)	Yes, using load balancer like NGINX or Apache (not clear if these are included or additional purchases)
	TRUE	TRUE	TRUE
	Yes	Yes	Yes
	Yes	Yes	Yes
	Yes	Yes	Yes
	Yes	Can provide a co-location site or govt cloud infrastructure to act as a backup.	Yes (ELECT officials can authorize a voter to recast a vote and allow for ballots to be sent and returned via email)
	TRUE	TRUE	TRUE
	Committed to comply	Will be complied with	Will be complied with
	Yes	Yes	Yes
	Yes	Yes	Yes
	Yes	Yes	Yes

	Yes	Configurable at locality level - they can generate their own email templates	Yes
	Yes	Yes	Yes
		Can use 3rd party devices such as CAC card and reader	For service members CAC card + pin issued by DOD + username and password. Additional personal info req to access ballot or voter registration.
	Yes	Yes	Yes
	Yes	Yes	Yes, paper size not addressed
	Yes	Yes	Yes

	Yes	Yes	Yes
	Yes, can be turned on and off by election type	Yes	Yes
	Yes	Yes, based on configured rules	Yes

	Yes	Yes (postage not included)	Yes, paper size not addressed
--	-----	----------------------------	-------------------------------

	Can be configured	Yes ( can digitally sign with CAC or 2-factor authentication using InTouch mobile phone app and researching other alternatives)	Yes (software will use the reason code in VERIS to determine)
	Can be configured	Not directly answered (p. 28)	Only printed when print the ballot option is chosen, ability to remove witness signature is not addressed
	Yes	No, can be modified according to requirements, but enforces counting only 1 vote per voter (p. 31)	Not directly answered but seemingly (p. 9)
	Yes	Not directly answered (p. 29) but voters can track their ballot (if that is different from status)	Partially. Shows dates ballot requested, printed or submitted, received
	Can be configured	Yes	Yes
	Yes	Not directly answered (p. 30)	Yes

	Yes	Yes	Yes
	Yes	Yes, shows access credentials used by location and access attempts are logged	Yes, voted ballots encrypted until printed
	TRUE	TRUE	TRUE

	Yes	Yes	Yes
	Yes	Yes?	Yes

	Yes	Yes, can be run on schedule or ad-hoc	Yes
	Yes	Yes, including graphs	Yes? P. 11
	Yes	Yes	Yes, including IP Addresses - allows admins to "fix" incorrect activities that an authorized user may have made? P. 11
	Yes	Yes, reports can be saved in the system, can create reporting lifecycle and archiving plan	Not answered

	Software used by VA, Missouri, NM, Sacramento, San Bernardino, Pinellas FL, Fort Bend TX, Denton TX, 50 County TX , 34 County FL, 14 County CA, and 14 County WA consortiums. Voter usage from 96 countries in 7 continents.	Florida	None stated
--	--	---------	-------------

<p>One of the 500 fastest growing companies in the US per INC 500, award for excellent and innovative business practices.</p>		<p>RFI response document liberally littered with misspellings, missed punctuation, sloppy. Their software is a total absentee ballot management solution.</p>	
<p>Provided 8 examples of work done on other projects, such as: Partnered with FVAP and CSG on several projects to improve support for UOCAVA voters and electronic transmission system. Contracted by FVAP to help evaluate accuracy of UOCAVA voter surveys in Maine, MD, Minn. NC, OK, OR, UT, VA. Asked by the VA to develop a Toolkit to create mobile apps to provide data to patients, caregivers, providers. + other projects non-uocava related</p>	<p>Missouri allowed UOCAVA voters to vote online in 2014 General Election with this software. Software used in over 600 elections.</p>	<p>Part of the system used in November 20112 General elections in Florida</p>	<p>Team developed a counterterrorism system for Defense Intelligence Agency. Solution includes licensed software that operates the voter ID system connected to another system which is an optional module for secure online return of ballots to voting princtcs, software development for interfaces with state systems + customization. Automatically coordinates with DOD systems and coordination with Secy of State offices, etc.</p>

<p>Provide training via WebEx and training video</p>	<p>Can interface with VERIS</p>	<p>Provides a automated ballot analysis solutions which allows a full election with all ballot styles, rotation, voting rules, fonts, spellings to be created in minutes not weeks like other software solutions. Expert in the manipulation and reconstitution of returned ballots.</p>	
<p>Specializes in IT, training, and program management</p>			<p>act as prime contractor and manage staff, functions, requirements, licensed system, and system customization. They will have another business to serve as the SME and another business to serve as integrated communications and public affairs lead, e.g. coordinate overseas testing.</p>







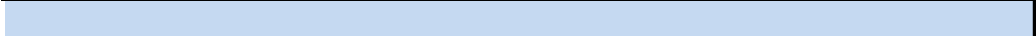
8	9	10
Not supplied	Not supplied	
Cross Site Scripting, Cross Frame Scripting, Session Hijacking, DoS Attack, DDoS Attack, Prevention of SQL injection, prevention of cross-site request forgery (CSFR) and session hijacking attacks, authentication uses strong hasing mechanisms and cookie integrity is validated on every request	Yes, no specifics	
Recommend using vendor's secure, geographically separate, state of the art data centers with geo-failover. But can host on equipment operated by VITA with a dedicated server, redundant power and internet services and VMWare licensing.	Yes, detailed specs for server, licensing, and networking needs included in global footprint but also provides SaaS solution for a cost-effective approach. All sensitive election material should be stored in an Oracle RAC database cluster. (p. 41)	
Yes - all browsers from the last 3 full releases, including iOS, Android, Chrome, Firefox, IE, Safari	Yes, any device with an Internet connection	
None specified	Adobe PDF reader, CAC plugin installed (can only be used on IE-which vendor notes: can use key-roaming signature instead p. 13)	
Yes	Implied	
Yes	Yes	
Exceeds	Exceeds	

Exceeds	Exceeds	
TRUE	TRUE	
Yes	Yes	
Yes	Implied	
Yes, but IP address can be blocked if access attempt is suspicious, e.g. too many unsuccessful login attempts.	Yes	
Yes, Contingency Planning, Business Continuity Plan, Disaster Recovery Plan, SLA	Application is fault tolerant	
TRUE	TRUE	
Will comply	Implied	
Yes	Yes	
Yes	Yes	
Configurable	Yes	

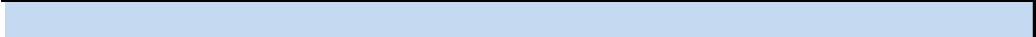
Yes	Yes	
Yes	Yes	
	Yes	
Will comply with state and federal website design, meets or exceeds ADA stds, testers regularly attend Braille Institute for screen reader testing observation and training, + (p 19)	Yes	
Reply says they can mark the ballot online, then print, doesn't specifically state the opposite, paper size is compliant	Yes	
Yes	Yes	
Yes	Yes	
Yes, except for Primaries in COV and as allowed by law	Yes	
Yes	Yes	

Reply says they can mark the ballot online, then print, doesn't specifically state the opposite, paper size is compliant	Yes	
Can be configured	Yes (they state in every section, <Vendor Name> meets all of these requirements.)	
Yes	Yes	
Yes	Yes	
Yes, but only up until the close of the election	Yes	
Can be configured	Yes	
Yes. Certification of recorded submission as cast can be added as customization	Yes?	
Yes	Yes	
Yes - list of processes in Logic & Accuracy Testing	Yes	
Can be configured	Yes	

Yes	Yes	
Yes	Yes	



Yes (very nice, easy to use for end users)	Yes	
Yes	Yes	
Yes, including IP address	Yes	
Yes	Yes	



Franklin County WA beginning 2009, King County WA, Oregon, <u>Utah, Arizona</u> , South Dakota, West Va, Denver, Colorado, Honolulu, The Oscars, The Emmys +	Alaska, New York (Print, Mark, Mail), Mississippi (Mark, Print, Mail), Alaska (Mark, Print, Scan, Return) with desc of projects and reference letters, white paper on Alaska install).	
--	--	--

<p>Recommend using vendor for hosting. Vendor has provided world-class hosting for 15 years with 99.99% reliability. Setp 2011 and 2012 massive outages, their servers never lost power or connectivity when most of the State and region were without power. Never had a security breach, not a single vote lost, no election ever disputed or dertified.</p>	<p>Most experienced company in the world in the field of internet voting. Provided solutions in 29 different countries and managed more than 100k electoral events. Unique election security technology protected by international patents. Provide highest levels of security for elections. Have customers in 35 states and territories.</p>	<p>Prominent provider of unique business solutions serving mission critical procoess across industry verticals like utility, airlines/airports, telecom, education. Customers include United Airlines, UCLA, Nokia, J2 Global and Copa Airlines.</p>
<p>South Dakota is the only state that has successfully integrated CAC card authentication for voters and have done it with this software. SD reduced voter cycle time from &gt;60 days to less than 5 min., increased voter participation due to ease of use.</p> <p>Arizona is the 1st e-ballot return with digital affidavit signatures for mility and oversears voters.</p> <p>Oregon saved 60% in election costs. Oregon uses this software for UOCAVA and voters with disabilities since 2012.</p> <p>+++++ pp.31-33</p>	<p>This software was selected in August and went live 3 weeks later! Over 7k ballots were requested through the system and 70% were returned with lot a positive feedback from end users. Even with fast implementation, there was no downtime.</p>	<p>Provided examples of Analytics Dashboards, Business Intelligence, and Reporting ala CRM. 6 case studies listed with highlights and technology environments for each (pp 20-24) project for UCLA, J2, Yamaha, Union Bank of India, West Bank Hospital, North Eastern Electric Power Corp.</p>



<p>Military-grade encryption of every ballot delivered online elections since 1997 with no record of DDoS attacks.</p>	<p>Immutable logs, advanced security measures</p>	<p>Experience developing and maintaining large volume apps related to remote banking, catering to large base of retail banking customers transacting over handheld devices involving security measures like biometric authentication (with CAC card reader?) and encryption/decryption of data.</p>
<p>SDLC, Agile Development Methodologies, Training Plan and curriculum, deployment methodology, change mgmt, incident mgmt, Network Device Connectivity Policy, Policies, Procedures, Risk Mgmt Strategy, Disaster Recovery Planning Strategy, ++</p>	<p>Customer service, proj mgmt, quality assurance, implementation team</p>	<p>Mature software development methodology and delivery, training, and support processes. Onsite Account Manager, offsite Project Manager, Business Analyst, offsite Technical Lead, DBA, tester, and developers.</p>