State of Colorado Department of State

ePollbook and Ballot On-Demand

Request for Information:
Uniform Voting System for the State of Colorado

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COVER LETTER

This Response for uniform voting systems is being submitted by:

Robis Elections, Inc.
300 S. County Farm Road, 3rd Floor
Wheaton, IL 60187

Robis Elections, Inc. (Robis) is pleased to be included in Colorado's pursuit to acquire a uniform voting system to provide current technological solutions for checking in voters at the polling places, and communicating with poll workers on Election Day. As your trusted partner, Robis offers an election-proven, pre-eminent solution for Colorado, **AskED® ePollbook and Ballot on Demand System**.

In the event that further clarification is needed, the evaluation committee may contact:

David Davoust
President
Robis Elections, Inc.
Office: (630) 752-0220
Fax: (630) 752-0222
Email: ddavoust@robis.net

OR

Tim Herman
Vice President of Election Services
Robis Elections, Inc.
Office: (630) 752-0220
Fax: (630) 752-0222
Email: therman@robis.net

We look forward to further discussions on how Robis can improve the election efficiency throughout Colorado through our ePollbook solution.

Respectfully Submitted:

_____
David Davoust, President

4/1/2013
_____
Date

EXECUTIVE SUMMARY

Introduction

The success of any election project depends largely on voter and poll worker confidence, strengthened by effective training and education. Consistency and accuracy across poll sites and poll workers plays an important role. This proposal highlights why Robis Elections and our AskED ePollbook are the ideal solution for Colorado.

Understanding Colorado's Needs

The Robis Elections Team understands the tasks required to fulfill the State's vision to find forward-looking solutions to enhance both the voter's and the poll worker's experience.

Uniform Voting System

The AskED ePollbook integrates with just about every voting system available. This universal integration means our pollbook has the capability to work with the voting system you have today and tomorrow.

.: The AskED ePollbook is Refined

The AskED ePollbook is the one solution that increases accuracy and cost effectiveness for election administrators and poll workers through patent-pending Election Decision Support™. This helps ensure voters have a smooth voting experience. The AskED ePollbook increases convenience through:

Increase Poll Worker Accuracy

- ★ User interface is simple and intuitive to use
- ★ On-demand help system & videos
- ★ AskED ensures each voter receives the correct ballot style
- ★ Empower poll workers with answers
- ★ Avoid voter fraud
- ★ Reduce human errors in the voter check-in process

Minimize On-Going Election Costs

- ★ Upload voter history in seconds
- ★ "Vote Anywhere" vote center support
- ★ Consolidate locations and equipment
- ★ Train fewer people and print less materials
- ★ Print ballots on-demand
- ★ Reduce the number of and cost to process provisional ballots

Improve the Voter Experience

- ★ Verify voter eligibility in seconds
- ★ Direct voters with maps
- ★ Reduce provisional ballots
- ★ Process voters with shorter lines

Maximize Administrative Roles

- ★ Synchronization of all units within a jurisdiction in real-time
- ★ Increase security through data encryption and administrative control
- ★ AskED systems reduce the number of calls to the election office
- ★ Decrease the time and costs to update voter history records
- ★ AskED is faster than paper to enhance the overall voting experience

PROVEN ELECTION BENEFITS

.: Easily Scalable & Adaptable

The AskED ePollbook makes it simple to automate voter check-in and update voter history on your voter registration system. Advanced technology combined with durable, off-the-shelf components ensure reliable system performance. The AskED ePollbook is configurable to meet state and local requirements.

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Easy to Use

AskED emphasizes ease of use and depth of function. AskED is designed for the average American poll worker, who is 72 years old and may not have extensive experience with technology. Therefore, the AskED ePollbook was created to be intuitive, easy to learn, and easy to use even for the technological novice. It guides users like a GPS step-by-step.

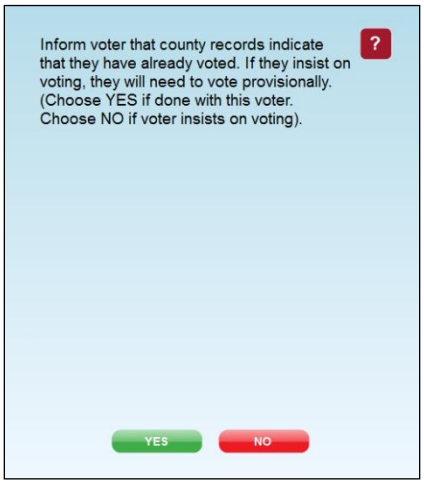
STANDARD PREMIUM FEATURES

Powerful Personalization

The AskED ePollbook is logic driven, which allows it to adapt to Colorado's specific laws and procedures. Configurable to each jurisdiction's requirements, the AskED ePollbook streamlines data collection, ensures information accuracy and saves time by guiding poll workers to always handle each voter correctly instead of forcing you into someone else's mold.

The Election Decision Logic Difference

There are many electronic pollbooks on the market. However, one notable feature sets the AskED ePollbook apart from the rest of the field, namely our patent-pending Election Decision Support™ system, also known as the AskED "election logic" or "decision logic." In fact, this is where our product name comes from. The "ED" stands for "election decision." Our entire product line has been built with the goal of making it easier for the poll worker to always handle each voter correctly.



Ready for Any Circumstance

All electronic pollbooks can look up a voter. However, only AskED can tell the poll worker, in the moment of need, exactly the information that is required in order to completely and accurately serve that particular voter, given that voter's combination of circumstances and the current laws and procedures including what the voter's options are, what paperwork must be completed, etc. to ensure that the voter gets the proper ballot and that everything is handled correctly so that it can be counted.

The importance of AskED's decision-logic process cannot be overlooked or underestimated. This unique feature is what separates a simple electronic processing device from a full-featured electronic assistance and decision-making tool.

The AskED ePollbook is the *only* solution that directs the poll worker to make correct and uniform decisions.

Built-In Alternative Language Support

The AskED ePollbook is the *only* ePollbook that can audibly answer individual voter questions in their *chosen language*, including many of the Native American dialects. The audio does not require a media player separately configured from the ePollbook. The poll worker can stop, rewind, pause, and restart audio at any time. The audio can improve the voter's

experience of elections and is integral part of alternative language requirements.

Just-In-Time Training

The AskED ePollbook is the *only* electronic pollbook that can answer voter and poll worker assistance questions on the spot, using a built in help system with answers pre-approved by the Chief Election Official of the County. This is aptly called "Just-in-time Training" because poll workers can get answer to questions as they arise instead of having to know the solutions to every possible situation that might arise during the election. Based on our experience over the past seven years in jurisdictions across the United States, having AskED in the polling place results in a dramatic reduction in phone calls to the Clerk's office—typically an 80% reduction in phone calls on Election Day.

A Powerful Tool

To allocate the funds and expend the time to install and train poll workers to use an electronic version of a poll register is a major commitment. If a jurisdiction is willing to make that leap of faith, they should get more bang for the buck, more output from the input, and more results for the effort. The unique AskED decision-support process ensures that every outcome is fast, correct, and uniform across your state and individual jurisdictions.

Comprehensive Vision

Our vision of what an electronic pollbook should do is not limited to the replacement of a paper roster. Instead, the electronic pollbook should make Election Day run more smoothly and help ensure that every voter who is eligible to vote gets that opportunity.

The industry expectation of electronic pollbooks has been set by the early models that were introduced to the market within the last 5 years. Most of these devices are off the shelf laptops or proprietary devices that serve primarily as an electronic substitute for the paper log books or computerized print outs of the voter registration rolls. This, in our opinion, is not nearly enough. To allocate the funds and expend the time to install and train poll workers to use an electronic version of a poll register is a major commitment. If a jurisdiction is willing to make that depth of investment, they should get more return for the investment, more output from the input, and more results for the effort.

The **AskED ePollbook**, from its very conception, was devised as a means of qualifying voters and uploading post-election voter history while at the same time answering poll worker questions, providing help to voter related problems, directing voters to the correct polling location, offering assistance to non-English speaking voters, providing video assistance to technicians, poll workers, and voters with disabilities, and incorporating poll worker manuals and training documentation into the system.

In addition, each of the attributes described above, are all done in concert with the unique **AskED** decision-support process, ensuring that every outcome is fast, correct, and uniform across the jurisdiction.

Evaluation

As you evaluate various offers in response to this RFI, we urge that you take into account the intangible but vital aspects of our approach to addressing your needs. Determining the best solution for the State goes beyond scoring the cost and features provided.

We urge you to take into account the dramatic difference in our approach to solving the problems of Election Day. With over 20 years of experience with poll workers, we have designed a system that is easy to use, serves voters faster than any other system on the market, and is the only system that uses a decision support system to ensure that each voter is processed correctly regardless of the poll worker's level of experience or training.

Certifications

SLI Global Solutions (The Independent Test Authority service provider for numerous voting system manufacturers) certified the AskED ePollbook as a "Ballot on Demand System". The efficiency of this AskED solution is saving Bernalillo County, New Mexico over one million dollars per election.

IMPLEMENTATION, TRAINING AND SUPPORT

Our goal is always to train and support our clients to the point where they can handle most support on their own and turn to us primarily for new implementations. In Los Angeles County, CA for example, we first implemented an AskED solution in 2008. At the first election, we provided 25 experts from our team for support. We gradually reduced that as their staff became more comfortable supporting the AskED products so that now they only require one person per election who mostly is an interface to Robis regarding any special needs or requests that might arise.

Technical Support

Counties would have unlimited technical support via phone, fax and email during Robis normal business hours. In addition, you will have 24/7 emergency telephone support.

Product Upgrades and Updates

Counties would have access to any new upgrades or updates that become available for the ePollbook or the AskED server software through our annual support and maintenance. Remote upgrading of server software is included where remote access is available. For ePollbooks that are not remotely available, Robis will provide software and installation instructions, or the jurisdiction may pay on-site rates to have Robis perform the upgrades.

Help Topic & Voter Eligibility Logic Changes

Robis will assist each jurisdiction in any help topic or logic changes needed provided such requests are made at least 15 business days before an election-use of the product.

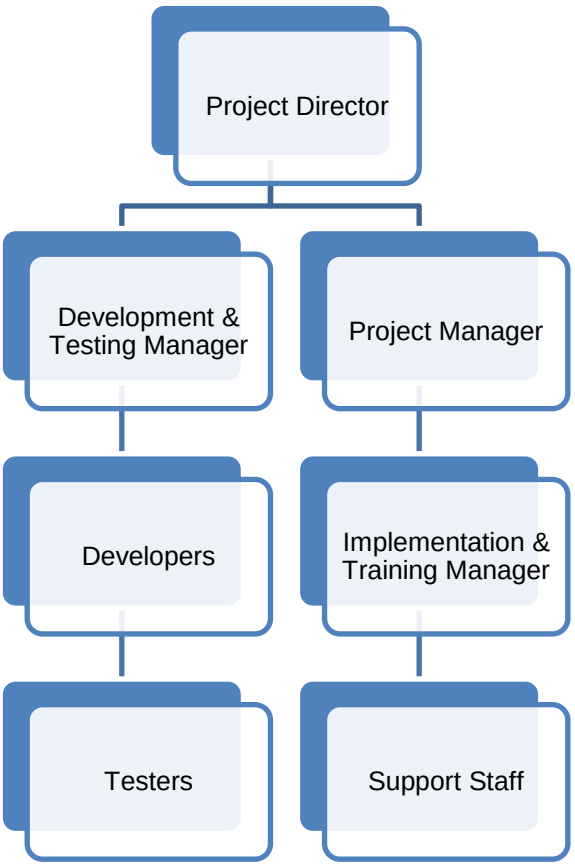
Training:

Our proposed solution assumes that we will train County staff "trainers" who in-turn will provide direct end-user training. In addition, we recommend that a Rover be trained on how to support the AskED ePollbook in order to provide field support during the full launch of the ePollbook. Robis will provide the initial training to the Rover's as part of a comprehensive quote. A sample training plan is outlined as follows:

- County "Staff" Training
  Robis will provide training for the key staff who need to know how the ePollbook functions.
- "Train the Trainer"
  Robis staff will provide training courses for the County Trainers
- Rover Training
  We suggest that our staff directly train the rovers on how to support the ePollbook in the field.
- Poll worker training support
  We will support the County trainers in the training of poll workers.

Staffing Considerations

Our proposed implementation for a state-wide rollout would consist of the following roles:



Sample Timeline for 2014 Implementation

Kick-off Meeting – Requirements Review	June
Eligibility Logic and Help Topic Preparation	June – July
Development and testing	June – September
Pre-LAT Process	October
Training	October
General Election	November

POTENTIAL SYSTEM REQUIREMENTS

1. Provide for the design, creation, and testing, of ballots to be voted electronically or on paper, and for the importation of the ballots into an electronic voting unit upon or through which an individual voter may cast his or her ballot on all contests for which the voter is eligible.
N/A

2. Capture the voter's vote electronically and provide for output to a paper ballot for tabulation.
N/A

3. Provide a method for the voter to receive and visually verify that the correct ballot is displayed in the electronic voting unit.
N/A

4. Allow vote capture by electronic means and provide for a voter verifiable paper audit trail.
N/A

5. Allow vote capture by electronic means and meet accessibility standards, including providing the voter the opportunity to access an audio ballot or other accessible ballot form, and to cast a ballot privately and independently.
N/A

6. Allow the importation of audio ballot content that may have been created externally.

N/A

7. Allow the voter to review, change, and confirm choices made while casting votes on the electronic vote capture system.

N/A

8. Allow the casting of provisional ballots electronically and the segregation of these ballots from other ballots cast until verification of voter eligibility is complete.

N/A

9. Allow the reporting of accepted provisional ballots as an individual category along with other categories the State of Colorado may require, including but not limited to, ballots cast during Early Voting, on Election Day, and by mail.

N/A

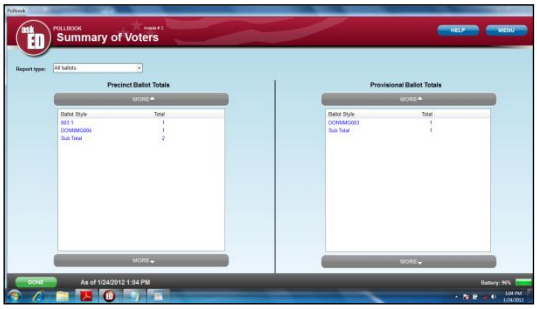
10. Provide for accumulation, tabulation, and reporting of all votes cast by electronic means.

Below is list of reports currently available.

Report Name	**Description**
Absentee Summary	The report provides numbers of absentee ballots requested, mailed, returned, and challenged for all precincts, and a listing of these numbers per individual precinct.
Absentee Voting	This report will display a list of ballots cast which were absentee ballots.

Discrepancies Report	This report displays a list of voters who have voted more than once (Double-Vote report).
Provisional Ballot Code Log	Lists the Provisional Ballots Cast Includes details of voter's name, poll site, time, Provisional Code, and Status, and provides ability to update the status (In Process, Accepted, Rejected) and reason why rejected.
Provisional Summary	This report displays a list of Poll site with number of provisional ballots received.
QuickPoll Polling Place Status Report	This shows the open/close status of each poll site as well as the time that status was changed. When used in conjunction with the AskED Help Desk, it also shows how many issues are open at each polling location and whether any of those are equipment issues as well as whether the media has been reported at the site or not. This report has a drill-down to see details of the polling place including what equipment is there, what poll workers are assigned and any issues reported in the Help Desk.
Voter Register	This report displays a list of all voters with a variety of filters for viewing any subset.
Voter Roster	This report displays all voters who have voted with a variety of filters for viewing any subset. This report displays a view of all ballots cast with: The voter's name, polling place where her or she voted, party voted, ballot style voted, ballot type (precinct or provisional), voter ID, indication of absentee, and a barcode of the voter ID for scanning. This report can be filtered by all of the provided fields, as well as by date.
Voter Turnout	This report displays the number of registered voters, number of ballots cast, and the percentage of registered voters who have voted. The report allows you to see the information for the entire jurisdiction or for a particular precinct. This report can also be configured to show sub-totals by party. This report provides a summary of what is happening across the jurisdiction including turnout by precinct and party for Election Day and Early Voting. The user can also drill-down to see a list of any voters who have or have not voted at any given precinct.
Votes by Ballot Style	This report gives list of Ballot styles - and for each - the number of that ballot style cast as precinct and number of that ballot style cast as provisional.
Votes by Poll Site	This report displays a list poll sites, and the number of votes at each. This links the list of names of voters who voted at a select poll site.
Votes by Voters	This report gives list of people who voted, with polling place where he or she voted, time voted, and poll worker name of person who entered vote.

The AskED ePollbook keeps a log of every operation performed on it. These audit logs can be exported by administrators with appropriate credentials. In addition to this all-encompassing audit log, the “Advanced” button on the Main Menu of each AskED ePollbook allows users to view up-to-the-minute “Summary” and “Voted” reports.



- ★ The “Summary” report shows a real-time aggregate of voters who have voted that day or up to that day in the precinct. These numbers are broken out by regular precinct ballots and provisional ballots, and each of these is broken out by party and/or ballot style.
- ★ The “Voted” report shows voter history for voters who have voted that day at that precinct. The report includes:
  - Name, address, birth date, voter ID; date and time voted.
  - The voter gets credit for having voted in that particular election.

Also, the AskED ePollbook Aggregator Utility provides additional functionality, including combined reports of voter history and software usage from all electronic pollbooks at each precinct and across the District. A variety of criteria can be used to filter and sort these reports so that users can see all voters who voted in a particular precinct for Absentee, Early Voting, at a Polling Place, etc.

Voter History
The most obvious benefit is that all voter history is electronic and can be exported for loading into VRMS.

Provisional Votes
All provisional voters are listed in the AskED server and the interface provides a mechanism for indicating the disposition of each of these ballots.

Election Day Turn Out
Throughout Election Day, you will have immediate access to the actual voter turnout at all locations across the jurisdiction. Not only will you know how many people have voted, where and what ballot style, but you will also know WHO has voted and who has NOT voted. You could potentially make these lists available to the political parties so that they no longer need Poll watchers in the polling place to determine who has not shown up to vote. This would improve the service to the parties and would calm things down at the polling locations.

11. Allow accumulated election results to be audited in a risk limiting audit via a single vote cast record.

N/A

12. Allow printing of a removable paper copy of results at the polling site from each individual electronic voting unit used.

N/A

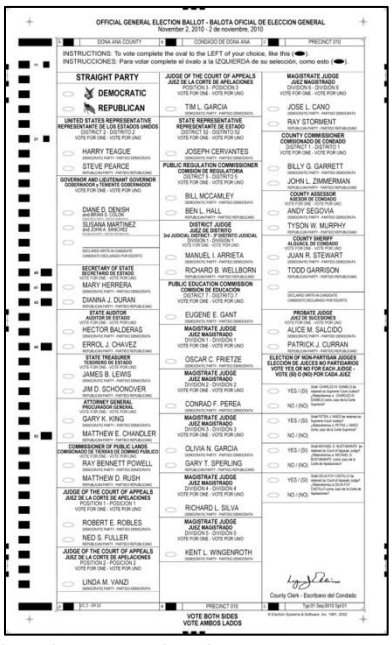
13. Provide for the design and development of paper ballots by ballot style and precinct, on two-sided ballot pages, and multiple page ballots.

N/A

14. Provide for the printing of paper ballots on demand for issue via mail, at polling sites, through County Elections Offices, and Service Centers.

The AskED ePollbook prints pre-approved, formatted ballots on-demand via locked PDF files as provided by the jurisdiction. Because the AskED ePollbook is logic driven, it knows the correct ballot style each voter should receive.

The AskED ePollbook uses an internal decision support system to ensure that each voter receives the correct ballot style given the election type, the voter's party affiliation, the voter's address and the voter's current voter status. All ballot possibilities are pre-loaded as PDF files and the exact ballot needed for each voter can be printed as the voter checks in. Because the AskED ePollbook uses PDF versions of your approved ballots, all ballots will contain the identifying codes needed on each ballot. The ballots will print as provided with appropriate alignment of candidate names and questions. Our ePollbook will be configured so that ballots printed from the AskED ePollbook system will meet all state requirements for size/dimensions, alignment and paper stock so they can be tabulated by all certified voting systems in the state.


OFFICIAL GENERAL ELECTION BALLOT - BALOTA OFICIAL DE ELECCION GENERAL
November 2, 2010 - 2 de noviembre, 2010

DONA ANA COUNTY | CONDADO DE DONA ANA | PRECINCT 010

INSTRUCTIONS: To vote complete the oval to the LEFT of your choice, like this (●);
INSTRUCCIONES: Para votar complete el óvalo a la IZQUIERDA de su selección, como esto (●)

STRAIGHT PARTY
DEMOCRATIC
REPUBLICAN

UNITED STATES REPRESENTATIVE
REPRESENTANTE DE LOS ESTADOS UNIDOS
DISTRICT 2 - DISTRITO 2
VOTE FOR ONE - VOTE POR UNO
HARRY TEAGUE
STEVE PEARCE

GOVERNOR AND LIEUTENANT GOVERNOR
GOBERNADOR Y TENIENTE GOBERNADOR
VOTE FOR ONE - VOTE POR UNO
DIANE D. DENISH
SUSANA MARTINEZ

SECRETARY OF STATE
SECRETARIO DE ESTADO
VOTE FOR ONE - VOTE POR UNO
MARY HERRERA
DIANNA J. DURAN

STATE AUDITOR
AUDITOR DEL ESTADO
VOTE FOR ONE - VOTE POR UNO
HECTOR BALDERAS
ERROL J. CHAVEZ

STATE TREASURER
TESORERO DE ESTADO
VOTE FOR ONE - VOTE POR UNO
JAMES B. LEWIS
JIM D. SCHOONOVER

ATTORNEY GENERAL
PROCURADOR GENERAL
VOTE FOR ONE - VOTE POR UNO
GARY K. KING
MATTHEW E. CHANDLER

COMMISSIONER OF PUBLIC LANDS
COMISIONADO DE TIERRAS DE DOMINIO PÚBLICO
VOTE FOR ONE - VOTE POR UNO
RAY BENNETT POWELL
MATTHEW D. RUSH

JUDGE OF THE COURT OF APPEALS
JUEZ DE LA CORTE DE APELACIONES
POSITION 1 - POSICION 1
VOTE FOR ONE - VOTE POR UNO
ROBERT E. ROBLES
NED S. FULLER

JUDGE OF THE COURT OF APPEALS
JUEZ DE LA CORTE DE APELACIONES
POSITION 2 - POSICION 2
VOTE FOR ONE - VOTE POR UNO
LINDA M. VANZI

JUDGE OF THE COURT OF APPEALS
JUEZ DE LA CORTE DE APELACIONES
DISTRICT 52 - DISTRITO 52
VOTE FOR ONE - VOTE POR UNO
TIM L. GARCIA

STATE REPRESENTATIVE
REPRESENTANTE DE ESTADO
DISTRICT 52 - DISTRITO 52
VOTE FOR ONE - VOTE POR UNO
JOSEPH CERVANTES

PUBLIC REGULATION COMMISSIONER
COMISION DE REGULATORIA
DISTRICT 1 - DISTRITO 1
VOTE FOR ONE - VOTE POR UNO
BILL MCCAMLEY

DISTRICT JUDGE
JUEZ DE DISTRITO
3rd JUDICIAL DISTRICT - 3er DISTRITO JUDICIAL
DIVISION 1 - DIVISION 1
VOTE FOR ONE - VOTE POR UNO
BEN L. HALL
MANUEL I. ARRIETA

PUBLIC EDUCATION COMMISSION
COMISION DE EDUCACION
DISTRICT 2 - DISTRITO 2
VOTE FOR ONE - VOTE POR UNO
RICHARD B. WELLBORN
EUGENE E. GANT

MAGISTRATE JUDGE
JUEZ MAGISTRADO
DIVISION 1 - DIVISION 1
VOTE FOR ONE - VOTE POR UNO
OSCAR C. FRIETZE

MAGISTRATE JUDGE
JUEZ MAGISTRADO
DIVISION 2 - DIVISION 2
VOTE FOR ONE - VOTE POR UNO
CONRAD F. PEREA

MAGISTRATE JUDGE
JUEZ MAGISTRADO
DIVISION 3 - DIVISION 3
VOTE FOR ONE - VOTE POR UNO
OLIVIA N. GARCIA

MAGISTRATE JUDGE
JUEZ MAGISTRADO
DIVISION 4 - DIVISION 4
VOTE FOR ONE - VOTE POR UNO
GARY T. SPERLING
RICHARD L. SILVA

MAGISTRATE JUDGE
JUEZ MAGISTRADO
DIVISION 5 - DIVISION 5
VOTE FOR ONE - VOTE POR UNO
KENT L. WINGENROTH

MAGISTRATE JUDGE
JUEZ MAGISTRADO
DIVISION 6 - DIVISION 6
VOTE FOR ONE - VOTE POR UNO
JOSE L. CANO
RAY STORMENT

COUNTY COMMISSIONER
COMISIONADO DE CONDADO
DISTRICT 1 - DISTRITO 1
VOTE FOR ONE - VOTE POR UNO
BILLY G. GARRETT
JOHN L. ZIMMERMAN

COUNTY ASSESSOR
ASESOR DE CONDADO
VOTE FOR ONE - VOTE POR UNO
ANDY SEGOVIA
TYSON W. MURPHY

COUNTY SHERIFF
ALGUACIL DE CONDADO
VOTE FOR ONE - VOTE POR UNO
JUAN R. STEWART
TODD GARRISON

PROBATE JUDGE
JUEZ DE SUCESIONES
VOTE FOR ONE - VOTE POR UNO
ALICE M. SALCIDO
PATRICK J. CURRAN

ELECTION OF NON-PARTISAN JUDGES
ELECCION DE JUECES NO PARTIDARIOS
VOTE YES OR NO FOR EACH JUDGE -
VOTE SI O NO POR CADA JUEZ
YES / SI
NO / NO

County Clerk - Escribano del Condado

PRECINCT 010

VOTE BOTH SIDES
VOTE AMBOS LADOS

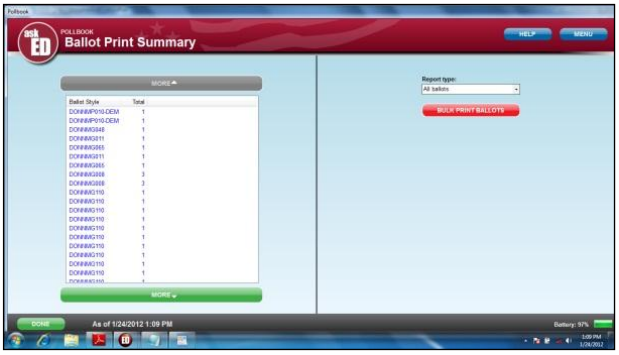
The AskED ePollbook system will work in absentee, early voting, vote center and non-vote center Election Day environments.

ABSENTEE

For absentee voting, users can look-up a voter, print an absentee ballot and print all necessary mailing and ballot-envelope labels from the AskED ePollbook. When ballots are returned, voter records can be marked as having been returned. The system will correctly handle voters who have requested an absentee ballot by not allowing them to switch to voting in person without following the appropriate procedures. In order to manage the absentee voting process, reports and lists of absentee voters can be viewed and printed from any networked computer within the Election office using the central AskED server.

EARLY VOTING, VOTE CENTER & NON-VOTE CENTER ELECTION DAY

Early Voting and Vote Center voting are handled in much the same way, as voters may vote at any location (except for mixed-models with rural sites—see below). All AskED ePollbook units typically contain the entire



County or State voter data, so they may be used in vote center or non-vote center environments either connected or not. For those voters who must vote at a particular precinct, the AskED logic will direct them to that precinct regardless of where they show up to vote. Where voters have the option to vote outside of their precinct via a provisional ballot, the AskED ePollbook will offer that choice and direct the poll worker as to the correct procedures to follow. For jurisdictions who choose to use a mixed-mode approach where some voters can vote at Vote Centers and some need to vote at a rural location, the AskED logic will handle these situations correctly. If cellular coverage is available, the rural sites can even be treated as mini vote centers if the county or state so chooses or can be used as traditional poll sites where only those voters who live in that precinct can vote.

The AskED ePollbook system interacts with data from the state system (VRMS) to track the current status of each voter's ballot—whether they have requested an absentee ballot, been sent an absentee ballot, returned an absentee ballot, etc. Labels with voter ID barcodes can be printed to facilitate mailing, returning and processing absentee ballots.

All absentee ballots printed with the system are tracked as are ballots that are returned.

Because the AskED ePollbook uses PDF versions of your approved printed ballots, all ballots will support the same languages as your normal Voting Day ballots. Robis will deliver a complete system that includes a custom "loader" designed for your specific data needs to load the election data from your VRMS into each ePollbook. This data includes voter information, addresses, ballot styles, and more.

During voting, all voter history information is securely stored in several locations including on each laptop as well is in a central database. After the election (or at any time determined by the county), the **AskED** system can export all of the history from across the county/state for upload to the VRMS Database. This upload can be handled electronically. Our suggestion is to use the existing Early Voting import process along with a key within one of the fields that would allow a query to be run after the upload to change the status of that particular upload to Election Day from Early Voting. We would be happy to work with the State to implement this solution. This would remove the manual uploading of the voter history.

If the State is not able to utilize this method or another interface to VRMS, the counties may also print a roster that has individual barcodes for those voters who have voted at each location, so that those results may be scanned in.

15. Provide for the efficient processing of ballots that require resolution of voter intent.

N/A

16. Provide for a central count accumulation and reporting of votes cast on paper ballots.
During voting, all voter history information is securely stored in several locations including on each laptop as well as in a central database. During the logic review phase, the choice or the requirement to use a paper ballot for a particular voter will be captured in this database. As a result, a report listing the paper ballots cast, including details of voter's name, poll site and time can be captured.

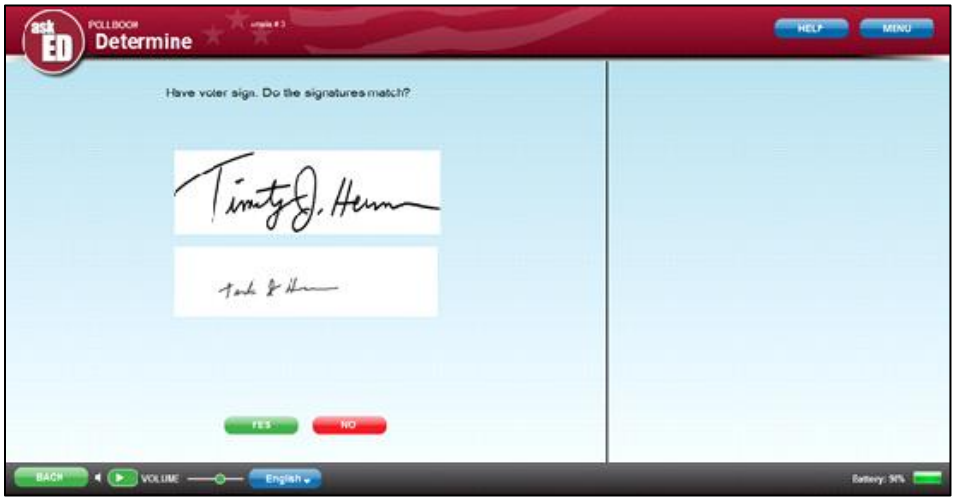
17. Allow the centralized accumulation and reporting of all votes cast and the reporting of such votes by method cast including provisional ballots.
N/A

18. Allow the centralized accumulation and reporting of all votes cast and the reporting of such votes by candidate, "yes or no", and contest within each precinct in the election.
N/A

19. Allow production of a uniform precinct-level electronic results export.
N/A

20. Allow secure electronic delivery and return of ballots for voters qualifying under the Uniform and Overseas Citizens Absentee Voting Act and other voters allowed by federal or Colorado law to receive or cast ballots by secure electronic delivery methods.
N/A

21. Allow automated verification of voter signatures via comparison with voter registration file signatures and the signatures provided on mail ballot return envelopes. These systems must provide a means to calibrate acceptance criteria.



The AskED ePollbook uses a signature pad to collect the voter's electronic signature. The new signature as well as the one on file are displayed next to each other on the screen for the poll workers to visually determine if they match or not. Please note that if they decide they do not match, the AskED logic will guide the poll workers through the challenge process so everything is handled exactly as you would like. This ensures consistency and accuracy across different locations and poll workers.

22. Provide automated sorting of mail ballot envelopes to various jurisdictional or precinct level divisions.

N/A

23. Provide, possibly in conjunction with sorting or signature verification, the attachment of a date stamp to the mail ballot envelope.

N/A

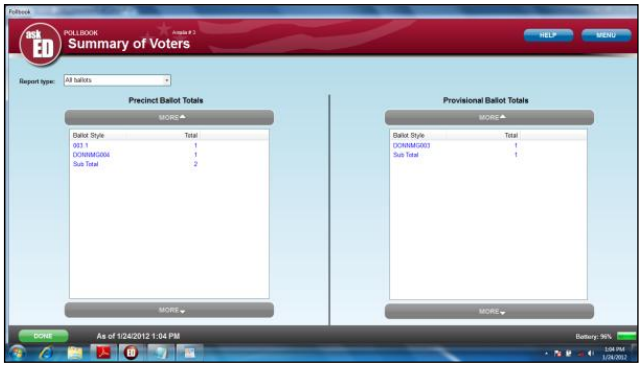
24. Provide a solution for security of the entire system including physical security, data integrity measures, contingencies, and backup strategies.

The AskED ePollbook System keeps track of every voter who has been checked in and the ballot style they have been given. The system keeps track of this data locally in case of any interruption in network

connectivity so that no data is lost. When the network is restored, the system automatically uploads the stored records. Voting does not stop if a connection is lost and the speed of checking in voters is not affected if there are network connection or speed issues.

If a ballot is reprinted (such as for spoiled ballots) or is printed in bulk (with appropriate credentials) that is also logged. Every ballot that is printed is logged on the device including the time and date of each printing, the ballot style, the voter (if applicable), the reason for the printing and the user who initiated the printing.

The AskED ePollbook keeps a log of every operation performed on it. These audit logs can be exported by administrators with appropriate credentials. In addition to this all-encompassing audit log, the "Advanced" button on the Main Menu of each AskED ePollbook allows users to view up-to-the-minute "Summary" and "Voted" reports.

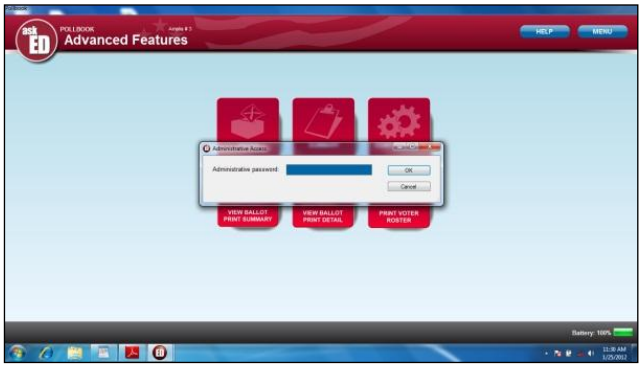


- ★ The "Summary" report shows a real-time aggregate of voters who have voted that day or up to that day in the precinct. These numbers are broken out by regular precinct ballots and provisional ballots, and each of these is broken out by party and/or ballot style.
- ★ The "Voted" report shows voter history for voters who have voted that day at that precinct. The report includes:
  - Name, address, birth date, voter ID; date and time voted.
  - The voter gets credit for having voted in that particular election.

Also, the AskED ePollbook Aggregator Utility provides additional functionality, including combined reports of voter history and software usage from all ePollbooks at each precinct and across the District. A variety of criteria can be used to filter and sort these reports so that users can see all voters who voted in a particular precinct for Absentee, Early Voting, at Vote Centers, etc.

All printing activity within the ePollbook is logged on the device including the time and date of each printing, the ballot style, the voter (if applicable), the reason for the printing and the user who initiated the printing.

There are multiple levels of authentication available within the AskED ePollbook including machine-level, application-level and connection-level authentication. Separate passwords with differing security levels can be issued to personnel based on their authority level and function. Most commonly, the password levels are:



1. Machine User: may only launch and run the ePollbook application. Also needs #2 or #3 to login to the application.
2. Poll worker: only able to check in a voter and print a single ballot at a time associated with a voter.
3. Manager: able to view additional reports, export audit logs and history and print multiple copies of a ballot style for absentee or other purposes.

Administrator: may make updates to the machine, load new data, install new printers, etc. Still needs #2 or #3 above to login to the application.

All ballot files are locked and cannot be altered by any polling place user.

Each **AskED ePollbook** contains all voter information for the entire county. This information is kept up to date through a WAN connection to a central server. Should the connection be lost, the ePollbook continues to function unhindered in checking in voters. Even a slow or intermittent network connection will not affect the speed of the check in process. When the network is available, the ePollbook will synchronize in the background who has voted with the central server so that each ePollbook reports who checked-in on that machine and receives an updated list of who has checked-in on other machines across the county. This ensures that no one can vote in multiple locations. If all connectivity is lost long enough to allow a voter to race from one site to another a vote again, that voter would be flagged in the central server as soon as the connection is recovered and the senior election officials would be alerted. The important thing is that voting does not stop regardless of connectivity status.

The AskED ePollbook uses a limited user account that only allows the actions needed to run the application. Access to all other functions and areas of the computer are electronically locked out. Any other attempts at physical tampering are restricted by a combination of methods, including locking out device booting from all external devices and the DVD drive from the system bios. The system bios is also password protected. The disk(s) can optionally be fully encrypted so if removed, the data would be inaccessible. Election seals can also be placed over removable devices to avoid tampering.

The user accounts are highly restricted to allow only the functions in the AskED ePollbook for the proper type of user. All other menus and actions are locked and inaccessible. Functions for writing log files to an external device are restricted by password for only permitted users. In normal operation external disks are locked from access. System Bios is password protected and is configured to only boot from the internal hard drive. Election seals are used to help prevent possible tampering. Full disk encryption is an available option if requested to prevent data access by removing the entire hard drive.

The user does not have access to the storage location containing the audit trail. The user accounts are highly restricted to allow only the functions in the AskED ePollbook for the proper type of user. All other menus and actions are locked and inaccessible. Functions for writing log files to an external device are restricted by password for only permitted users. In normal operation external disks are locked from access. System Bios is password protected and is configured to only boot from the internal hard drive. Election seals are used to help prevent possible tampering. Full disk encryption is an available option if requested to prevent data access by removing the entire hard drive.

Laptop locks have shown to be an effective means to secure the ePollbooks during setup and Election Day.

25. Allow electronic tracking of voting equipment location.

The AskED Materials Tracker gives users have the ability to track the location and status of each piece of equipment. Users can track serial numbers, status and location for each piece of voting equipment. Users can also keep track of voting equipment swap-outs and history of changes. Equipment that is out for repair can be treated as an individual equipment status. Both supplies and equipment can be scanned using barcode scanners as they return on Election Night.

The AskED Materials Tracker provides reports on any outstanding items on Election night, the ability to set up equipment types, serial numbers, statuses and locations. Our system has built in reporting in all areas needed including tracking the current location and status of each item as well as showing the history of any item. We will provide you with canned reports and with the ability to run your own reports. However, you also have the option to have complete access to the data tables themselves—you are not locked out from your own searches and queries that go beyond the scope of what we jointly consider during implementation.

The Materials Tracker utilizes WAN-enabled handheld barcode-scanning devices with a simple touch-screen user interface and software that runs on the devices.

26. Provide for a real time electronic pollbook.

WAN Network Connectivity
Each Vote Center site must have WAN network connectivity in order for it to securely communicate with the central server. Sites should either have existing internet connections that can be used (such as a public library) or should be tested to ensure that there is adequate cellular reception for the cell carrier(s) chosen if wireless cellular cards will be used. Note that Robis recommends a router with fail-over capability. This means that we recommend that the county have TWO forms of connectivity at each site, either a wired option and a cellular card or two different cellular cards from two different carriers (such as Verizon, Sprint and/or AT&T).

The AskED ePollbook voter history transfer feature has been tested under both simulated and real-world conditions. Under simulation, Robis has confirmed that the ePollbook can transfer at least a quarter million records to and from 200 clients per 30-minute period without error (single web server, single database server).

Network Failure

a. Local Area Network: where a local area network is being used within a polling place to keep the laptops in sync, a failure of the router or cables that causes the laptops to no longer be able to communicate should NOT affect the voting process. It simply means that the laptops do not all have the same voter history until the hardware problem can be rectified. Since the laptops are in the same room, there is not much danger of someone trying to double-vote on one laptop and then on another one. Such a failure could be left until after the election. If the problem is resolved on Election Day by replacing the failed component, the laptops will simply sync when the network reappears.

b. WAN/Cellular Network: should the WAN network used to connect Vote Centers to the central server fail, voting will not stop. Each ePollbook contains all of the information for the county, so you can continue to service voters. It just means that the syncing of voter history between that site and the central server cannot take place while the connection is down. The only risk is that a voter could vote in one location and then rush to another location and vote again before the connection comes back up. However, once the connection was restored, this double-vote would immediately be flagged in the central server and election officials would be notified. In terms of solving the problem, if it is a problem with a carrier, such as Verizon, there may be little that the jurisdiction can do to solve the problem other than calling and complaining. If it is a failure of a connection component, such as a wireless card, then that card can be swapped out for another one or the entire laptop can be swapped out. If the failure is due to a poor or intermittent cellular signal, then we would suggest moving the laptop within the polling location to find a more suitable spot if possible. Sometimes this might mean moving from a basement location up to a first floor. We would suggest, however, that each site be surveyed for any connection problems prior to the election. IMPORTANT: in the configuration we are proposing, we include a router that has network fail-over capability. This means that there are two independent connections to the WAN. The chances of BOTH going down are very slight.

Connectivity
The laptops and the printers are all connected via the Ethernet cables to the router, which then connects via a cellular signal to an AskED server. For smaller jurisdictions, that AskED Server may be located at the Robis data center as a provided service. Larger jurisdictions may want to have their own server at their data center. The AskED server will require a fast, reliable data connection. Our data center provides multiple fiber

connections to the internet.

Each laptop contains all information needed to service voters. As voters check-in, the laptops send the voter history information over the network to the central AskED server and receive back from the server all of the voter history records from all other laptops in all vote centers within the county. In addition, updates to voter records can be optionally downloaded to the laptops.

Redundancy
With the networked configuration, each laptop updates the central server and all other laptops on the network, so there is a high degree of redundancy of data storage.

27. Systems must be able to provide content and instructions in both English and Spanish with the potential for adding additional languages in the future.

The **AskED ePollbook** is the *only* ePollbook that can audibly answer individual voter questions in their *chosen language*, including many of the Native American dialects. The audio does not require a media player separately configured from the ePollbook. The poll worker can stop, rewind, pause, and restart audio at any time. The audio can improve the voter's experience of elections and is integral part of alternative language requirements.

Because the **AskED ePollbook** uses PDF versions of your approved printed ballots, all ballots will support the same languages as your normal Voting Day ballots

QUALIFICATIONS OF THE PROPOSER

Robis Elections is one of the leading providers of election technology in the United States, and is recognized as the innovation leader. Robis is the creator of the AskED Suite of products, and was part of the team that designed the AutoMARK Voter Assist Terminal for which we wrote all of the user software. Robis-created software is used in over 50,000 polling locations in the United States.

Robis management members have been working with poll workers for over 20 years and have turned this real-world experience into a series of innovative products that have resulted in dramatic improvements in elections. Our **AskED** product line has cut costs for jurisdictions while improving the quality of elections. **AskED** products are in use in nine states and the District of Columbia.

We have successfully led the implementation of these products in jurisdictions of all sizes from small counties to the nation's largest county and even statewide. **Robis Elections has never missed an election deadline**.

We pride ourselves on overwhelming our customers with support and consider every election another chance to demonstrate our commitment to our customers' success.

Our products and services include:

- ★ **AskED ePollbook, Early Voting and Ballot on Demand System**
- ★ **AskED Problem Solver**
- ★ **AskED Help Desk**
- ★ **AskED Troubleshooter**
- ★ **AskED WarRoom (poll site problem mapping)**
- ★ **NEW AskED VoteCenter Wait Time Mobile App**
- ★ **AskED Materials Tracking**
- ★ **AskED Online Poll worker Training System**
- ★ **AskED Surveyor**
- ★ **Election Night Hosting**
- ★ **Voter Outreach**
- ★ **Election Process Consulting**
- ★ **IT & Security consulting and custom development for elections**

In addition, because our products are used to support other election equipment, our staff has direct experience with all major voting systems including those from AVM, Diebold/Premier, ES&S, Sequoia, Dominion and more.

As you know, most of election management is about data: voters, addresses, ballot styles, precincts, polling places, etc. **Robis** has experience interfacing with the leading voter registration systems, including DFM, NTS, Votec, ES&S /Premier and others, as well as local, county, and state systems. We are experts in working with a wide range of data and automating for most effective use.

Robis has been providing technology solutions to elections for almost 20 years. Our **AskED** product line was introduced in early 2005 and has been in continuous use and continually improved since that time. Our laptop-based ePollbook has been in use since early 2007.

Our successful implementation experience with election jurisdictions of all sizes and with election products that meet the needs outlined in this RFP clearly make us qualified to help Colorado with this project. We would encourage County staff to speak to any **Robis** customers to get a better understanding of the industry-leading technology and superior level of service that we provide. We are an Illinois registered business.

ABOUT ROBIS ELECTIONS

Focused on the needs of Election Officials and their staff

At Robis Elections, we are passionately committed to creating innovative products that solve problems effecting election officials. Founded in 1991 by David Davoust, Robis has built a reputation of providing the highest level of support and service to its customers, so that elections run more smoothly than ever. Our unique AskED® product suite solves Election Day issues on-site or off-site with accuracy and consistency. Robis was the original designer of the AutoMARK Voter Assist Terminal and our team created the user-software. Robis-created software is used in over 50,000 polling locations in the United States, and we have been working with poll workers for over 20 years. With the AskED® product suite, jurisdictions can track and eliminate problems, while seeing exactly what's happening at every location.

Robis Elections is 100% U.S.-owned and all AskED software is 100% developed in the U.S.A.

Company Name	**Robis Elections, Inc.**
Corporate Headquarters Address	300 S. County Farm Road, 3rd Floor | Wheaton, IL 60187
Company Web-site Address	www.robiselections.com
Contact Representative Name and Title	David Davoust, President
Representative Phone and Email	(630) 752-0220; ddavoust@robis.net