

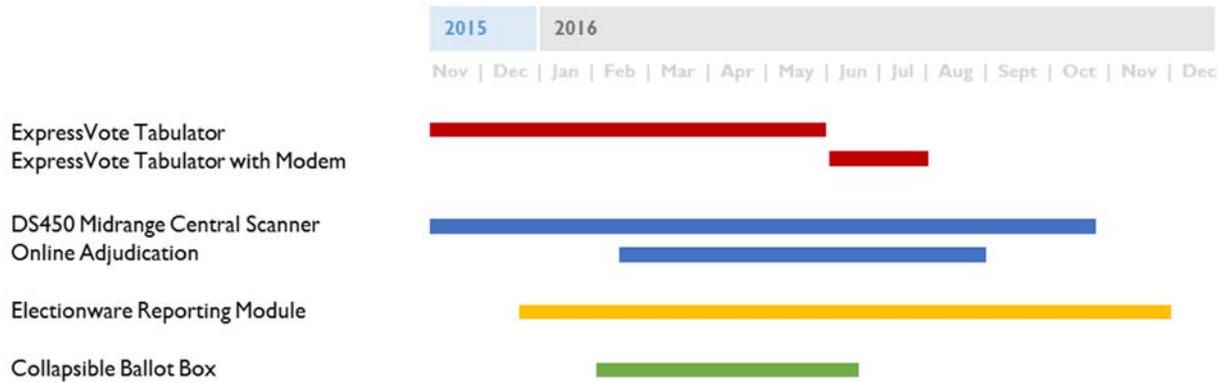
V. PROVIDER NARRATIVES

A. I. NEAR-TERM PLANS FOR ENHANCEMENTS

Below is the roadmap for each of the product segments we support. In the succeeding pages, we have outlined each product’s features, benefits and planned enhancements within the next 12 months.

The vision and planned enhancements for each product is included in the following pages within this document.

ES&S DEVELOPMENT ROADMAP THROUGH 2016



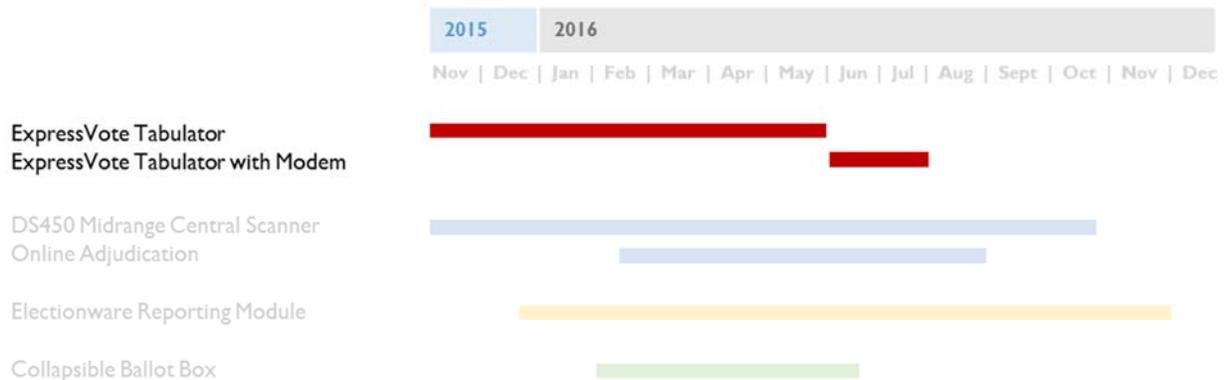


EXPRESSVOTE

The ExpressVote® Ballot Marking Device has brought innovation to the poll sites and vote centers. Originally conceived to better meet the requirements of the Americans with Disabilities Act, the ExpressVote is designed as a true Universal Voting Device, intended to be used by all eligible voters and accommodate all disabilities.

ES&S has recently completed development on the ExpressVote Tabulator. It has all of the same voting and usability features of the ExpressVote Ballot Marking Device, but adds the ability to tabulate votes on the machine without the need to scan them on a different scanner tabulator. The ExpressVote Tabulator is currently in certification and is expect to be federally certified in May 2016.

Immediately following the Federal certification, ES&S will submit a release to the VSTL to enable the transmission of election results wirelessly from the ExpressVote and/or DS200 to the County’s central office. This functionality eliminates the need to physically transport results media to the central office on election night. We anticipate this release obtaining VSTL approval in June 2016.





CENTRAL SCANNER

ES&S currently offers the DS850® as a central count solution for automated scanning and counting of election ballots. The DS850 scans 300 ballots per minute, with 3 output bins for sorting physical ballots. Additionally, the DS850 uses an imprinter to assist with Colorado’s risk limiting audit (RLA) workflow. The DS850’s high speed makes it perfect for large- to medium-sized jurisdictions.

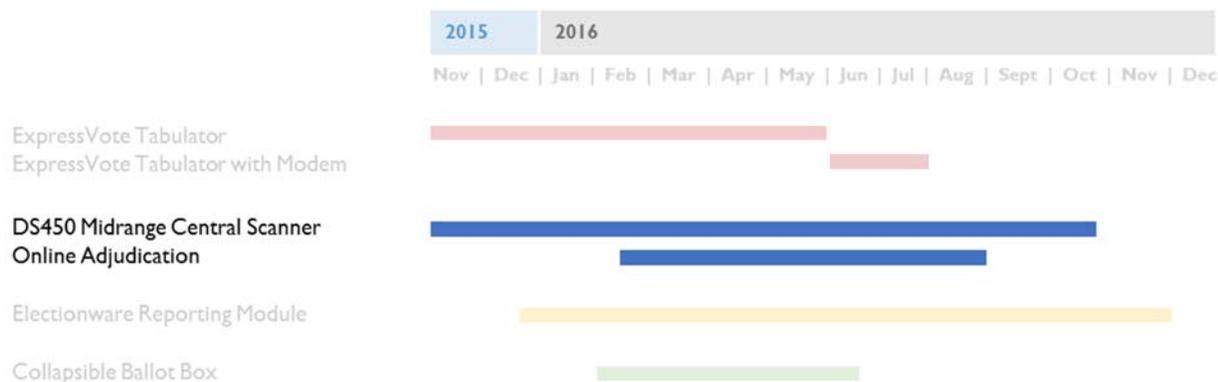
To give smaller to medium-size jurisdictions the same functionality as the DS850, ES&S developed a midrange central count scanner called the DS450. This midrange tabulator scans 75 ballots per minute with the same real time sorting as the DS850.

The DS450 development will complete in February 2016, with an expected EAC certification in October of 2016.

ADJUDICATION

Finally, ES&S is adding adjudication to our Electionware® EMS. Our central tabulators have enhanced batch management features which complement this electronic adjudication process. The combination of the industry’s leading scanner ballot sorting capabilities, mixed with the Electionware software’s adjudication features, give unmatched flexibility and usability.

Adjudication development will complete in June 2016, with an expected EAC certification in December of 2016.



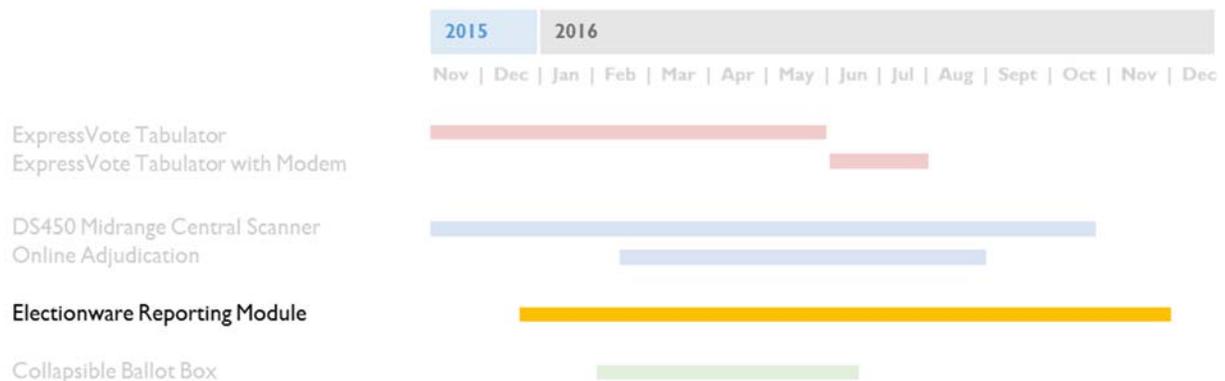


ELECTION REPORTING MODULE

ES&S software features many updates to enhance the workflow and voting experience on the DS200® precinct scanner, DS850 high speed scanner, DS450® mid-range scanner and ExpressVote Universal Voting System.

The current Reporting and Adjudication Project is expected to complete testing in August of 2016 and move into federal and state certification. This project provides results reports in a number of new classifications including district, poll, split, and batch totals. Results reports and canvasses have an updated, more modern look. Electionware’s powerful database and intuitive user interface have been utilized for greater flexibility and easier usability for election night reporting and adjudication.

During the adjudication process, the system allows authorized users to electronically review ballot images saved in batches. The full ballot is captured electronically so that the county can view and adjust results on a ballot-by-ballot basis. The county may review all contests, or simply those designated as exceptions, such as overvotes, undervotes and write-ins. This system also offers full write-in name management and tabulation.



A.2. OTHER PRODUCTS AND SERVICES OFFERED



BALLOT ON DEMAND®

The Balotar Printing System® consolidates commercially available printing components with ES&S proprietary software and hardware modifications to fulfill the demanding printing and audit needs of elections. The complete system comprises of a printer, laptop computer, and Balotar software. Optional accessories include transport cart, auto-folder, and laptop holders.

The Balotar Compact is a portable printer that is lightweight and small in size to easily move between locations. The optional transport case has wheels and a telescopic handle that makes taking the system from storage to polling station a breeze. You can remove the top cover and use it as a pedestal to lift the printer and laptop off the floor without use of a table. The laptop slides out the front of the case for easy operation.

Use of Balotar reduces waste and costs by printing the exact number of ballots needed on Election Day. This eliminates ordering too many ballots or coming up short. Balotar can also be used to print ballots for Absentee mail-out, UOCAVA, and early voting walk-ins.

You can configure Balotar software to print ballot overlays with sequence number, ballot style, County logo, or other text or image. Balotar software integrates with your voter registration system, providing an easy-to-use interface. Your voter registration system exports a text file with key fields that allows Balotar to identify which ballot(s) to print. Ballots can be printed in batches with multiple voter information in one file or one at a time. Balotar Software can be configured to print ballots whenever the file is deposited into a specific folder or for manual printing of ballot.

MAIL BALLOT VERIFIER

ES&S Mail Ballot Verifier® Inbound Solution is used to verify the return of vote-by-mail envelopes and provide tracking. The returned envelope is fed into the friction feeder to be transported through the system. The envelope is endorsed with the batch and sequence numbers, date and time, and a user-defined field. An optional thickness detector determines if the envelope contains the right amount of pages and then a high resolution camera takes an image of the envelope. The MBV software then looks at the image to read the barcode, verify the envelope is signed, and logs information endorsed on the envelope. The MBV software uses the barcode to verify the validity of the voter. The user then has the choice to divert envelopes that need manual inspection or to be re-run through the system.

Your voter registration system exports a text file that can be ingested by MBV software to be used for validating voters. MBV software exports a text file that can be ingested by your voter registration system with additional information captured by the system. This will prevent more than one ballot per voter or signal an election official to contact the voter for missing information.

MBV1000 has one divert bin for envelopes that require further inspection. It is small enough to be placed on a table or counter and can be easily stored when not in use. The MBV2000 has a stand with wheels to move it up against a wall or into another room. Two to ten divert bins can be used to provide basic sorting of the envelopes based on reason for further inspection or precinct.

The MBV software offers Automatic Signature Verification and Manual Signature Verification Modules for comparing captured signature images with the reference signature images provided by the voter registration system. The envelopes can be sorted again to separate envelopes with verified signatures and envelopes with signatures that have been challenged. If your voter registration system has this signature verification feature, MBV software can export captured signature images to be ingested by your voter registration system.

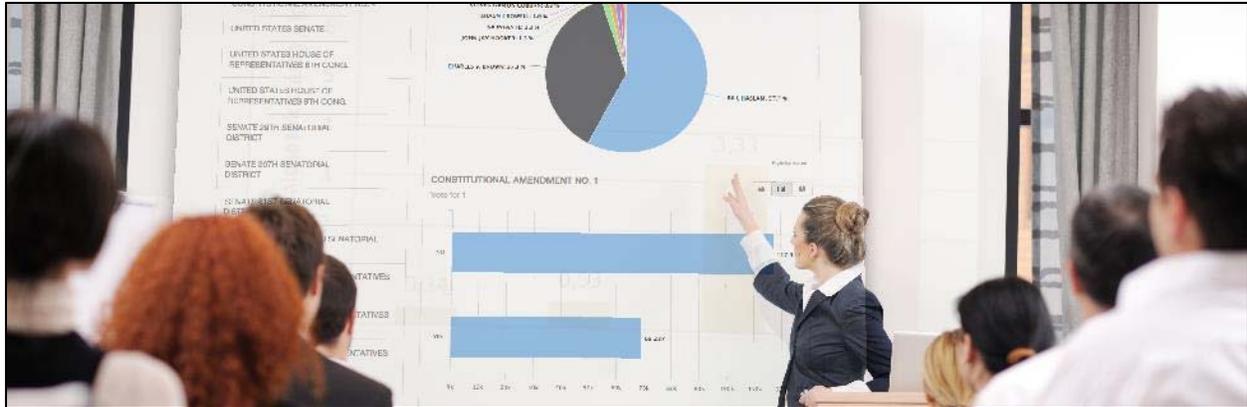


ELECTRONIC BALLOT DELIVERY

Ballot Online® enables election jurisdictions to deliver official absentee ballots and accurate sample ballots to eligible voters (including domestic absentee ballots, military and non-military overseas ballots) through a secure and easy-to-use website. Voters can be notified that a ballot is available or provided with an address for the jurisdiction’s unique Ballot Online website. A voter logs into the Ballot Online website to receive his or her appropriate ballot type, which is customized for voter convenience, security, and accuracy. The voter can choose to make selections online and print a completed ballot or print and mark the ballot by hand.

Ballot Online provides detailed voter and election information to election administrators. The web-based administrative dashboard interface provides robust reporting options, detailed voter and election statistics, and tracks all ballot and voter activity. This information is particularly valuable to administrators who are reporting to the Federal Voting Assistance Program (FVAP) and the U.S. Election Assistance Commission (EAC).

For voters, Ballot Online provides an easy-to-understand interface. It is simple to navigate through the ballot and mark selections. The process is as easy as completing an online form or survey. Voters can also have their Ballot Online sample ballots quickly scanned at the polling place, making casting ballots easy and fast and reducing lines in the poll place.



ELECTIONWARE RESULTS (ENR)

Electionware Results™ is offered exclusively by ES&S to complement your election management system on Election night. This web-based application allows jurisdictions the ability to display election results for public viewing. Securely hosted by ES&S, and simple to use, this application makes election night results reporting straightforward and requires very little advance set-up. Automatically scrolling reports can be projected for viewers at election central. The single web location and responsive mobile design keeps media, candidates, political parties, and voters updated on the latest election results.

Election administrators can preview and confirm results before publishing to the public site. This feature allows you to ensure that your data is correct before allowing the public to view the results. Electionware Results is hosted at the Empower data center, providing defense-in-depth with multiple security levels. Each complements the other to provide data protection in a variety of ways. No matter what the circumstance, you are protected against both internal and external threats. ES&S ensures that the application design and controls are in place to protect sensitive data, monitor access and address regulatory compliance.

This web-based application is fully integrated with Election Reporting Manager (ERM) requiring no additional coding. The administrative module ensures security providing complete control to assign users, and determine permission-based roles. The product has minimal setup required and very little training is needed to operate the application. Public web results provide results in an organized, easy to read format using graphics that are simple to understand for all viewers. Web results are displayed by contest two ways: Summary reports and Precinct level reports. The Web page can be customized to include logos, title and election names for personalization of web results page.

State of Colorado

Department of State



Pilot Election Review Committee

Cost Proposal Workbook

COST PROPOSAL WORKBOOK INSTRUCTIONS

1.0 Recommended System Configurations for County Tiers

Recommend a system configuration for the average county in each of the six county tiers, as explained in the cover letter. The recommended system should enable county users to process the projected highest daily volume of mail and in-person ballots for each tier in 12 hours. For central count operations, the configuration should be predicated on the time required to scan 8.5 x 18" double-sided ballots. For Voter Service and Polling Centers, please recommend a system configuration for a single VSPC capable of processing the projected highest daily volume of in-person voters per required VSPC. We will multiply the cost of equipping a single VSPC by the average number of required VSPCs for each separate tier when we compile the information received from all providers. For all operations (back office, central count and VSPCs, please indicate any voting system components that are optional, in the event a county desires to acquire less than the complete solution. Please provide this information separately for each county tier in Tabs 1.1, 1.2, 1.3, 1.4, 2.0, and 3.0 of this workbook.

4.0 Hardware Cost Table

List the description, make, model and unit purchase cost and, if offered, lease cost, of each piece of hardware proposed in any of your recommended system configurations. The hardware cost table also requests you to specify ongoing annual firmware license fees, to the extent applicable for each piece of hardware.

5.0 Software Cost Table

List the description, version and unit purchase cost and, if offered, lease cost, of each software component proposed in your recommended system configurations. The software cost table also requests you to specify ongoing annual software licence fees, to the extent applicable, for each software application or component.

6.0 Project Labor Cost Table

List the description and total cost of each category provided for labor required to deploy and implement your voting system for the average county in each county tier.

7.0 Vendor Hourly Rate Cost Table

List position descriptions for your billable personnel and the hourly rates you charge for their services during the warranty period and the projected rates for the following three years of support.

8.0 Miscellaneous Cost Table

Itemize any miscellaneous costs associated with the acquisition or deployment of your voting system in the average county for each tier.

9.0 Hourly Rate Table

List position descriptions for your billable personnel and the hourly rates you charge for their services during the warranty period and the projected rates for the following three (3) years of support.

Tier 1.1-Recommended System Configuration				
A. Election Management Solution (including election definition, election data management, ballot layout, editing & generation, tabulation, and results reporting)				
1. EMS Hardware				
a. EMS servers				
<u>Item No.</u>	<u>Quantity</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Optional</u>
1	1	Dell	PowerEdge T430	No
2				
3				
4				
5				
b. EMS workstations/clients				
<u>Item No.</u>	<u>Quantity</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Optional</u>
1	2	Dell	OptiPlex 7020	No
2				
3				
4				
5				
c. EMS miscellaneous/peripherals				
<u>Item No.</u>	<u>Quantity</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Optional</u>
1				
2				
3				
4				
5				
d. EMS backup hardware (if any)				
<u>Item No.</u>	<u>Quantity</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Optional</u>
1				
2				
3				
4				
5				
e. Other EMS hardware				
<u>Item No.</u>	<u>Quantity</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Optional</u>
1	1	APC	1500va UPS	Yes
2	2	APC	750va UPS	Yes
3	1	DLink	8port Switch	No
4				
5				
Tier 1.1 Recap:				
Average active voters-2012G				349,888
No. of counties in tier				4
Avg min number of Election Day VSPCs required				23
Projected total mail ballots-2016P				301,766
Projected highest daily volume of mail ballots-2016P				63,813
Projected total of in-person ballots cast-2016P				15,547
Projected highest daily volume of in-person ballots per VSPC-2016P				501

Tier 1.1-Recommended System Configuration																										
2. EMS Software																										
a. Election management, election definition, data management, and ballot layout/editing/artwork generation applications																										
<u>Item No.</u>	<u>Application Name</u>	<u>Version</u>	<u>Optional</u>																							
1	ElectionWare PYO	5.2.0.3	No																							
2																										
3																										
4																										
5																										
c. Tabulation and results reporting																										
<u>Item No.</u>	<u>Application Name</u>	<u>Version</u>	<u>Optional</u>																							
1	Election Reporting Manager (Included in ElectionWare PYO)	5.2.0.3	No																							
2																										
3																										
4																										
5																										
d. Other EMS software																										
<u>Item No.</u>	<u>Application Name</u>	<u>Version</u>	<u>Optional</u>																							
1	ExpressPass Software	1.1.0.0	Yes																							
2	Symantec	12.1.4	No																							
3	Adobe	Acrobat XI	No																							
4																										
5																										
3. Election Programming Services																										
<p>Preface: Historically, over half of Colorado's 64 counties have opted to acquire less than the complete EMS solution for their legacy voting systems, and instead engaged their voting system vendor to provide election definition and device programming services. In the cell below, please describe the election and device programming services that your organization can offer with respect to the temporarily approved voting system, and describe the manner in which you charge for these services in sufficient detail to enable us to calculate the cost for this service for an average county in this tier. Please be sure to include in your response whether these service charges are based on the number of registered voters, the number of ballot styles, or other factors. Please also indicate all EMS hardware and software components that counties opting for this service will not need to acquire.</p>																										
<p>Response: Should counties elect to have ES&S build voting system databases, layout ballots, and generate ballot artwork for the ballot printing vendors, Section 10.0 Programming Services provides our pricing matrix for these services. If ES&S were to provide these services for all elections, counties would only require ElectionWare Results Software and the EMS workstation.</p>																										

Tier 1.1-Recommended System Configuration				
B. Central Count Solution				
1. Central count hardware				
a. Central count servers				
Item No.	Quantity	Manufacturer	Model	Optional
1	N/A	N/A	N/A	N/A
2				
3				
4				
5				
b. Central count workstations/clients				
Item No.	Quantity	Manufacturer	Model	Optional
1	N/A	N/A	N/A	N/A
2				
3				
4				
5				
c. Central count scanners				
Item No.	Quantity	Manufacturer	Model	Throughput
1	1	ES&S	DS850	300/minute
2				
3				
4				
5				
d. Miscellaneous/peripheral/other central count hardware				
Item No.	Quantity	Manufacture	Model	Optional
1	N/A	N/A	N/A	N/A
2				
3				
4				
5				
6				
7				
8				
9				
10				
2. Central count software				
a. Central count software				
Item No.	Application Name	Version	Optional	
1	DS850 Firmware	2.10.0.0	N	
2				
3				
4				
5				
b. Digital ballot resolution and adjudication applications				
Item No.	Application Name	Version	Optional	
1	N/A	N/A	N/A	
2				
3				
4				
5				
c. Other/miscellaneous central count software				
Item No.	Application Name	Version	Optional	
1	N/A	N/A	N/A	
2				
3				
4				
5				

Tier 1.1-Recommended System Configuration				
C. Polling Location Solution				
1. Polling location hardware and software				
a. Polling location servers				
Item No.	Quantity	Manufacturer	Model	Optional
1	N/A	N/A	N/A	N/A
2				
3				
4				
5				
b. Ballot marking devices (tablets/workstations/clients)				
Item No.	Quantity	Manufacturer	Model	Optional
1	23	ES&S	ExpressVote BMD	No
2				
3				
4				
5				
c. Polling location tabulators				
Item No.	Quantity	Manufacturer	Model	Optional
1	23	ES&S	DS200	Yes
2				
3				
4				
5				
d. Polling location miscellaneous/peripheral/other hardware				
Item No.	Quantity	Manufacture	Model	Optional
1	23	ES&S	ExpressPass Printer	Yes
2				
3				
4				
5				
6				
7				
8				
9				
10				

Tier 1.2-Recommended System Configuration																			
2. EMS Software																			
a. Election management, election definition, data management, and ballot layout/editing/artwork generation applications																			
<u>Item No.</u>	<u>Application Name</u>	<u>Version</u>	<u>Optional</u>																
1	ElectionWare PYO	5.2.0.3	No																
2																			
3																			
4																			
5																			
c. Tabulation and results reporting																			
<u>Item No.</u>	<u>Application Name</u>	<u>Version</u>	<u>Optional</u>																
1	Election Reporting Manager (Included in ElectionWare PYO)	5.2.0.3	No																
2																			
3																			
4																			
5																			
d. Other EMS software																			
<u>Item No.</u>	<u>Application Name</u>	<u>Version</u>	<u>Optional</u>																
1	ExpressPass Software	1.1.0.0	Yes																
2	Symantec	12.1.4	No																
3	Adobe	Acrobat XI	No																
4																			
5																			
3. Election Programming Services																			
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<p>Response: Should counties elect to have ES&S build voting system databases, layout ballots, and generate ballot artwork for the ballot printing vendors, Section 10.0 Programming Services provides our pricing matrix for these services. If ES&S were to provide these services for all elections, counties would only require ElectionWare Results Software and the EMS workstation.</p>																			

Tier 1.2-Recommended System Configuration				
B. Central Count Solution				
1. Central count hardware				
a. Central count servers				
Item No.	Quantity	Manufacturer	Model	Optional
1	N/A	N/A	N/A	N/A
2				
3				
4				
5				
b. Central count workstations/clients				
Item No.	Quantity	Manufacturer	Model	Optional
1	N/A	N/A	N/A	N/A
2				
3				
4				
5				
c. Central count scanners				
Item No.	Quantity	Manufacturer	Model	Throughput
1	1	ES&S	DS450	75/minute
2				
3				
4				
5				
d. Miscellaneous/peripheral/other central count hardware				
Item No.	Quantity	Manufacture	Model	Optional
1	N/A	N/A	N/A	N/A
2				
3				
4				
5				
6				
7				
8				
9				
10				
2. Central count software				
a. Central count software				
Item No.	Application Name	Version	Optional	
1	DS450 Firmware	1.0.0.0	N	
2				
3				
4				
5				
b. Digital ballot resolution and adjudication applications				
Item No.	Application Name	Version	Optional	
1	N/A	N/A	N/A	
2				
3				
4				
5				
c. Other/miscellaneous central count software				
Item No.	Application Name	Version	Optional	
1	N/A	N/A	N/A	
2				
3				
4				
5				

Tier 1.2-Recommended System Configuration				
C. Polling Location Solution				
1. Polling location hardware and software				
a. Polling location servers				
Item No.	Quantity	Manufacturer	Model	Optional
1	N/A	N/A	N/A	N/A
2				
3				
4				
5				
b. Ballot marking devices (tablets/workstations/clients)				
Item No.	Quantity	Manufacturer	Model	Optional
1	14	ES&S	ExpressVote BMD	No
2				
3				
4				
5				
c. Polling location tabulators				
Item No.	Quantity	Manufacturer	Model	Optional
1	14	ES&S	DS200	Yes
2				
3				
4				
5				
d. Polling location miscellaneous/peripheral/other hardware				
Item No.	Quantity	Manufacture	Model	Optional
1	14	ES&S	ExpressPass Printer	Yes
2				
3				
4				
5				
6				
7				
8				
9				
10				

Tier 1.3-Recommended System Configuration				
A. Election Management Solution (including election definition, election data management, ballot layout, editing & generation, tabulation, and results reporting)				
1. EMS Hardware				
a. EMS servers				
Item No.	Quantity	Manufacturer	Model	Optional
1	1	Dell	PowerEdge T430	No
2				
3				
4				
5				
b. EMS workstations/clients				
Item No.	Quantity	Manufacturer	Model	Optional
1	2	Dell	OptiPlex 7020	No
2				
3				
4				
5				
c. EMS miscellaneous/peripherals				
Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				
d. EMS backup hardware (if any)				
Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				
e. Other EMS hardware				
Item No.	Quantity	Manufacturer	Model	Optional
1	1	APC	1500va UPS	Yes
2	2	APC	750va UPS	Yes
3	1	DLink	8port Switch	No
4				
5				
Tier 1.3 Recap:				
Average active voters-2012G				173,533
No. of counties in tier				3
Avg min number of Election Day VSPCs required				11
Projected total mail ballots-2016P				158,209
Projected highest daily volume of mail ballots-2016P				33,330
Projected total of in-person ballots cast-2016P				8,572
Projected highest daily volume of in-person ballots per VSPC-2016P				567

Tier 1.3-Recommended System Configuration									
2. EMS Software									
a. Election management, election definition, data management, and ballot layout/editing/artwork generation applications									
<u>Item No.</u>	<u>Application Name</u>	<u>Version</u>	<u>Optional</u>						
1	ElectionWare PYO	5.2.0.3	No						
2									
3									
4									
5									
c. Tabulation and results reporting									
<u>Item No.</u>	<u>Application Name</u>	<u>Version</u>	<u>Optional</u>						
1	Election Reporting Manager (Included in ElectionWare PYO)	5.2.0.3	No						
2									
3									
4									
5									
d. Other EMS software									
<u>Item No.</u>	<u>Application Name</u>	<u>Version</u>	<u>Optional</u>						
1	ExpressPass Software	1.1.0.0	Yes						
2	Symantec	12.1.4	No						
3	Adobe	Acrobat XI	No						
4									
5									
3. Election Programming Services									
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Tier 1.3-Recommended System Configuration				
B. Central Count Solution				
1. Central count hardware				
a. Central count servers				
Item No.	Quantity	Manufacturer	Model	Optional
1	N/A	N/A	N/A	N/A
2				
3				
4				
5				
b. Central count workstations/clients				
Item No.	Quantity	Manufacturer	Model	Optional
1	N/A	N/A	N/A	N/A
2				
3				
4				
5				
c. Central count scanners				
Item No.	Quantity	Manufacturer	Model	Throughput
1	1	ES&S	DS450	75/minute
2				
3				
4				
5				
d. Miscellaneous/peripheral/other central count hardware				
Item No.	Quantity	Manufacture	Model	Optional
1	N/A	N/A	N/A	N/A
2				
3				
4				
5				
6				
7				
8				
9				
10				
2. Central count software				
a. Central count software				
Item No.	Application Name	Version	Optional	
1	DS450 Firmware	1.0.0.0	N	
2				
3				
4				
5				
b. Digital ballot resolution and adjudication applications				
Item No.	Application Name	Version	Optional	
1	N/A	N/A	N/A	
2				
3				
4				
5				
c. Other/miscellaneous central count software				
Item No.	Application Name	Version	Optional	
1	N/A	N/A	N/A	
2				
3				
4				
5				

Tier 1.3-Recommended System Configuration				
C. Polling Location Solution				
1. Polling location hardware and software				
a. Polling location servers				
Item No.	Quantity	Manufacturer	Model	Optional
1	N/A	N/A	N/A	N/A
2				
3				
4				
5				
b. Ballot marking devices (tablets/workstations/clients)				
Item No.	Quantity	Manufacturer	Model	Optional
1	11	ES&S	ExpressVote BMD	No
2				
3				
4				
5				
c. Polling location tabulators				
Item No.	Quantity	Manufacturer	Model	Optional
1	11	ES&S	DS200	Yes
2				
3				
4				
5				
d. Polling location miscellaneous/peripheral/other hardware				
Item No.	Quantity	Manufacture	Model	Optional
1	11	ES&S	ExpressPass Printer	Yes
2				
3				
4				
5				
6				
7				
8				
9				
10				

Tier 1.4-Recommended System Configuration						
A. Election Management Solution (including election definition, election data management, ballot layout, editing & generation, tabulation, and results reporting)						
1. EMS Hardware						
a. EMS servers						
Item No.	Quantity	Manufacturer	Model	Optional		
1						
2						
3						
4						
5						
b. EMS workstations/clients						
Item No.	Quantity	Manufacturer	Model	Optional		
1	1	Dell	OptiPlex 7020	No		
2						
3						
4						
5						
c. EMS miscellaneous/peripherals						
Item No.	Quantity	Manufacturer	Model	Optional		
1						
2						
3						
4						
5						
d. EMS backup hardware (if any)						
Item No.	Quantity	Manufacturer	Model	Optional		
1						
2						
3						
4						
5						
e. Other EMS hardware						
Item No.	Quantity	Manufacturer	Model	Optional		
1	1	APC	750va UPS	Yes		
2						
3						
4						
5						
					Tier 1.4 Recap:	
					Average active voters-2012G	50,463
					No. of counties in tier	6
					Avg min number of Election Day VSPCs required	4
					Projected total mail ballots-2016P	44,306
					Projected highest daily volume of mail ballots-2016P	8,875
					Projected total in-person ballots cast-2016P	1,774
					Projected highest daily volume in-person ballots per VSPC-2016P	336

Tier 1.4-Recommended System Configuration																										
2. EMS Software																										
a. Election management, election definition, data management, and ballot layout/editing/artwork generation applications																										
<u>Item No.</u>	<u>Application Name</u>	<u>Version</u>	<u>Optional</u>																							
1	ElectionWare PYO	5.2.0.3	No																							
2																										
3																										
4																										
5																										
c. Tabulation and results reporting																										
<u>Item No.</u>	<u>Application Name</u>	<u>Version</u>	<u>Optional</u>																							
1	Election Reporting Manager (Included in ElectionWare PYO)	5.2.0.3	No																							
2																										
3																										
4																										
5																										
d. Other EMS software																										
<u>Item No.</u>	<u>Application Name</u>	<u>Version</u>	<u>Optional</u>																							
1	ExpressPass Software	1.1.0.0	Yes																							
2	Symantec	12.1.4	No																							
3	Adobe	Acrobat XI	No																							
4																										
5																										
3. Election Programming Services																										
<p>Preface: Historically, over half of Colorado's 64 counties have opted to acquire less than the complete EMS solution for their legacy voting systems, and instead engaged their voting system vendor to provide election definition and device programming services. In the cell below, please describe the election and device programming services that your organization can offer with respect to the temporarily approved voting system, and describe the manner in which you charge for these services in sufficient detail to enable us to calculate the cost for this service for an average county in this tier. Please be sure to include in your response whether these service charges are based on the number of registered voters, the number of ballot styles, or other factors. Please also indicate all EMS hardware and software components that counties opting for this service will not need to acquire.</p>																										
<p>Response: Should counties elect to have ES&S build voting system databases, layout ballots, and generate ballot artwork for the ballot printing vendors, Section 10.0 Programming Services provides our pricing matrix for these services. If ES&S were to provide these services for all elections, counties would only require ElectionWare Results Software and the EMS workstation.</p>																										

Tier 1.4-Recommended System Configuration				
B. Central Count Solution				
1. Central count hardware				
a. Central count servers				
Item No.	Quantity	Manufacturer	Model	Optional
1	N/A	N/A	N/A	N/A
2				
3				
4				
5				
b. Central count workstations/clients				
Item No.	Quantity	Manufacturer	Model	Optional
1	N/A	N/A	N/A	N/A
2				
3				
4				
5				
c. Central count scanners				
Item No.	Quantity	Manufacturer	Model	Throughput
1	1	ES&S	DS450	75/minute
2				
3				
4				
5				
d. Miscellaneous/peripheral/other central count hardware				
Item No.	Quantity	Manufacture	Model	Optional
1	N/A	N/A	N/A	N/A
2				
3				
4				
5				
6				
7				
8				
9				
10				
2. Central count software				
a. Central count software				
Item No.	Application Name	Version	Optional	
1	DS450 Firmware	1.0.0.0	N	
2				
3				
4				
5				
b. Digital ballot resolution and adjudication applications				
Item No.	Application Name	Version	Optional	
1	N/A	N/A	N/A	
2				
3				
4				
5				
c. Other/miscellaneous central count software				
Item No.	Application Name	Version	Optional	
1	N/A	N/A	N/A	
2				
3				
4				
5				

Tier 1.4-Recommended System Configuration				
C. Polling Location Solution				
1. Polling location hardware and software				
a. Polling location servers				
Item No.	Quantity	Manufacturer	Model	Optional
1	N/A	N/A	N/A	N/A
2				
3				
4				
5				
b. Ballot marking devices (tablets/workstations/clients)				
Item No.	Quantity	Manufacturer	Model	Optional
1	4	ES&S	ExpressVote BMD	No
2				
3				
4				
5				
c. Polling location tabulators				
Item No.	Quantity	Manufacturer	Model	Optional
1	4	ES&S	DS200	Yes
2				
3				
4				
5				
d. Polling location miscellaneous/peripheral/other hardware				
Item No.	Quantity	Manufacture	Model	Optional
1	11	ES&S	ExpressPass Printer	Yes
2				
3				
4				
5				
6				
7				
8				
9				
10				

Tier 2-Recommended System Configuration				
A. Election Management Solution (including election definition, election data management, ballot layout, editing & generation, tabulation, and results reporting)				
1. EMS Hardware				
a. EMS servers				
Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				
b. EMS workstations/clients				
Item No.	Quantity	Manufacturer	Model	Optional
1	1	Dell	OptiPlex 7020	No
2				
3				
4				
5				
c. EMS miscellaneous/peripherals				
Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				
d. EMS backup hardware (if any)				
Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				
e. Other EMS hardware				
Item No.	Quantity	Manufacturer	Model	Optional
1	1	APC	750va UPS	Yes
2				
3				
4				
5				
Tier 2 Recap:				
Average active voters-2012G				15,427
No. of counties in tier				14
Avg min number of Election Day VSPCs required				3
Projected total mail ballots-2016P				13,947
Projected highest daily volume of mail ballots-2016P				2,534
Projected total in-person ballots cast-2016P				622
Projected highest daily volume in-person ballots per VSPC-2016P				149

Tier 2-Recommended System Configuration																						
2. EMS Software																						
a. Election management, election definition, data management, and ballot layout/editing/artwork generation applications																						
<u>Item No.</u>	<u>Application Name</u>	<u>Version</u>	<u>Optional</u>																			
1	N/A	N/A	N/A																			
2																						
3																						
4																						
5																						
c. Tabulation and results reporting																						
<u>Item No.</u>	<u>Application Name</u>	<u>Version</u>	<u>Optional</u>																			
1	Election Reporting Manager	5.2.0.3	No																			
2																						
3																						
4																						
5																						
d. Other EMS software																						
<u>Item No.</u>	<u>Application Name</u>	<u>Version</u>	<u>Optional</u>																			
1	ExpressPass Software	1.1.0.0	Yes																			
2	Symantec	12.1.4	No																			
3																						
4																						
5																						
3. Election Programming Services																						
<p>Preface: Historically, over half of Colorado's 64 counties have opted to acquire less than the complete EMS solution for their legacy voting systems, and instead engaged their voting system vendor to provide election definition and device programming services. In the cell below, please describe the election and device programming services that your organization can offer with respect to the temporarily approved voting system, and describe the manner in which you charge for these services in sufficient detail to enable us to calculate the cost for this service for an average county in this tier. Please be sure to include in your response whether these service charges are based on the number of registered voters, the number of ballot styles, or other factors. Please also indicate all EMS hardware and software components that counties opting for this service will not need to acquire.</p>																						
<p>Response: ES&S recommends that the Tier 2 counties receive Election Reporting Manager Software only and therefore the pricing found on tab 10.0 Programming Services will apply to all elections.</p>																						

Tier 2-Recommended System Configuration				
B. Central Count Solution				
1. Central count hardware				
a. Central count servers				
Item No.	Quantity	Manufacturer	Model	Optional
1	N/A	N/A	N/A	N/A
2				
3				
4				
5				
b. Central count workstations/clients				
Item No.	Quantity	Manufacturer	Model	Optional
1	N/A	N/A	N/A	N/A
2				
3				
4				
5				
c. Central count scanners				
Item No.	Quantity	Manufacturer	Model	Throughput
1	1	ES&S	DS200	10/minute
2				
3				
4				
5				
d. Miscellaneous/peripheral/other central count hardware				
Item No.	Quantity	Manufacture	Model	Optional
1	N/A	N/A	N/A	N/A
2				
3				
4				
5				
6				
7				
8				
9				
10				
2. Central count software				
a. Central count software				
Item No.	Application Name	Version	Optional	
1	DS200 Firmware	2.12.0.0	N	
2				
3				
4				
5				
b. Digital ballot resolution and adjudication applications				
Item No.	Application Name	Version	Optional	
1	N/A	N/A	N/A	
2				
3				
4				
5				
c. Other/miscellaneous central count software				
Item No.	Application Name	Version	Optional	
1	N/A	N/A	N/A	
2				
3				
4				
5				

Tier 2-Recommended System Configuration				
C. Polling Location Solution				
1. Polling location hardware and software				
a. Polling location servers				
Item No.	Quantity	Manufacturer	Model	Optional
1	N/A	N/A	N/A	N/A
2				
3				
4				
5				
b. Ballot marking devices (tablets/workstations/clients)				
Item No.	Quantity	Manufacturer	Model	Optional
1	3	ES&S	ExpressVote BMD	No
2				
3				
4				
5				
c. Polling location tabulators				
Item No.	Quantity	Manufacturer	Model	Optional
1	3	ES&S	DS200	Yes
2				
3				
4				
5				
d. Polling location miscellaneous/peripheral/other hardware				
Item No.	Quantity	Manufacture	Model	Optional
1	3	ES&S	ExpressPass Printer	Yes
2				
3				
4				
5				
6				
7				
8				
9				
10				

Tier 3-Recommended System Configuration				
A. Election Management Solution (including election definition, election data management, ballot layout, editing & generation, tabulation, and results reporting)				
1. EMS Hardware				
a. EMS servers				
Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				
b. EMS workstations/clients				
Item No.	Quantity	Manufacturer	Model	Optional
1	1	Dell	OptiPlex 7020	No
2				
3				
4				
5				
c. EMS miscellaneous/peripherals				
Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				
d. EMS backup hardware (if any)				
Item No.	Quantity	Manufacturer	Model	Optional
1				
2				
3				
4				
5				
e. Other EMS hardware				
Item No.	Quantity	Manufacturer	Model	Optional
1	1	APC	750va UPS	Yes
2				
3				
4				
5				
Tier 3 Recap:				
Average active voters-2012G				4,072
No. of counties in tier				35
Avg min number of Election Day VSPCs required				1
Projected total mail ballots-2016P				3,776
Projected highest daily volume of mail ballots-2016P				683
Projected total in-person ballots cast-2016P				112
Projected highest daily volume in-person ballots per VSPC-2016P				71

Tier 3-Recommended System Configuration										
2. EMS Software										
a. Election management, election definition, data management, and ballot layout/editing/artwork generation applications										
<u>Item No.</u>	<u>Application Name</u>	<u>Version</u>	<u>Optional</u>							
1	N/A	N/A	N/A							
2										
3										
4										
5										
c. Tabulation and results reporting										
<u>Item No.</u>	<u>Application Name</u>	<u>Version</u>	<u>Optional</u>							
1	Election Reporting Manager	5.2.0.3	No							
2										
3										
4										
5										
d. Other EMS software										
<u>Item No.</u>	<u>Application Name</u>	<u>Version</u>	<u>Optional</u>							
1	ExpressPass Software	1.1.0.0	Yes							
2	Symantec	12.1.4	No							
3										
4										
5										
3. Election Programming Services										
<p>Preface: Historically, over half of Colorado's 64 counties have opted to acquire less than the complete EMS solution for their legacy voting systems, and instead engaged their voting system vendor to provide election definition and device programming services. In the cell below, please describe the election and device programming services that your organization can offer with respect to the temporarily approved voting system, and describe the manner in which you charge for these services in sufficient detail to enable us to calculate the cost for this service for an average county in this tier. Please be sure to include in your response whether these service charges are based on the number of registered voters, the number of ballot styles, or other factors. Please also indicate all EMS hardware and software components that counties opting for this service will not need to acquire.</p>										
<p>Response: ES&S recommends that the Tier 2 counties receive Election Reporting Manager Software only and therefore the pricing found on tab 10.0 Programming Services will apply to all elections.</p>										

Tier 3-Recommended System Configuration				
B. Central Count Solution				
1. Central count hardware				
a. Central count servers				
Item No.	Quantity	Manufacturer	Model	Optional
1	N/A	N/A	N/A	N/A
2				
3				
4				
5				
b. Central count workstations/clients				
Item No.	Quantity	Manufacturer	Model	Optional
1	N/A	N/A	N/A	N/A
2				
3				
4				
5				
c. Central count scanners				
Item No.	Quantity	Manufacturer	Model	Throughput
1	1	ES&S	DS200	10/minute
2				
3				
4				
5				
d. Miscellaneous/peripheral/other central count hardware				
Item No.	Quantity	Manufacture	Model	Optional
1	N/A	N/A	N/A	N/A
2				
3				
4				
5				
6				
7				
8				
9				
10				
2. Central count software				
a. Central count software				
Item No.	Application Name	Version	Optional	
1	DS200 Firmware	2.12.0.0	N	
2				
3				
4				
5				
b. Digital ballot resolution and adjudication applications				
Item No.	Application Name	Version	Optional	
1	N/A	N/A	N/A	
2				
3				
4				
5				
c. Other/miscellaneous central count software				
Item No.	Application Name	Version	Optional	
1	N/A	N/A	N/A	
2				
3				
4				
5				

Tier 3-Recommended System Configuration				
C. Polling Location Solution				
1. Polling location hardware and software				
a. Polling location servers				
Item No.	Quantity	Manufacturer	Model	Optional
1	N/A	N/A	N/A	N/A
2				
3				
4				
5				
b. Ballot marking devices (tablets/workstations/clients)				
Item No.	Quantity	Manufacturer	Model	Optional
1	1	ES&S	ExpressVote BMD	No
2				
3				
4				
5				
c. Polling location tabulators				
Item No.	Quantity	Manufacturer	Model	Optional
1	1	ES&S	DS200	Yes
2				
3				
4				
5				
d. Polling location miscellaneous/peripheral/other hardware				
Item No.	Quantity	Manufacture	Model	Optional
1	1	ES&S	ExpressPass Printer	Yes
2				
3				
4				
5				
6				
7				
8				
9				
10				

6.0 Project Labor Cost Table	
Description	Total Cost
Project Management Fees (if any) before Deploying Recommended System for Average County in each County Tier	
Tier 1.1 (Please itemize separate billable components)	
Project Management (Two (2) days onsite)	\$ 3,150.00
	\$ -
	\$ -
	\$ -
	\$ -
Total - Tier 1.1 County	\$ 3,150.00
Tier 1.2 (Please itemize separate billable components)	
Project Management (One (1) day onsite)	\$ 1,575.00
	\$ -
	\$ -
	\$ -
	\$ -
Total - Tier 1.2 County	\$ 1,575.00
Tier 1.3 (Please itemize separate billable components)	
Project Management (One (1) day onsite)	\$ 1,575.00
	\$ -
	\$ -
	\$ -
	\$ -
Total - Tier 1.3 County	\$ 1,575.00
Tier 1.4 (Please itemize separate billable components)	
Project Management (Optional - 1 day @ \$1575.00 per day)	\$ -
	\$ -
	\$ -
	\$ -
	\$ -
Total - Tier 1.4 County	\$ -
Tier 2 (Please itemize separate billable components)	
Project Management (Optional - 1 day @ \$1575.00 per day)	\$ -
	\$ -
	\$ -
	\$ -
	\$ -
Total - Tier 2 County	\$ -
Tier 3 (Please itemize separate billable components)	
Project Management (Optional - 1 day @ \$1575.00 per day)	\$ -
	\$ -
	\$ -
	\$ -
	\$ -
Total - Tier 3 County	\$ -
Onsite Training for Average County in each County Tier (List each training class or course, its duration, and specify max. number of trainees) (Any travel should be in Travel spreadsheet)	
Tier 1.1	
Equipment Operations Training (One (1) day of onsite training)	\$ 1,575.00
Poll Worker Train-the-Trainer (Optional - 1 day of onsite training @ \$1575.00 per day)	\$ -
Software Training - (Five (5) days of onsite training)	\$ 7,875.00
	\$ -
Total - Tier 1.1 County	\$ 9,450.00
Tier 1.2 (Please itemize separate billable components)	
Equipment Operations Training (One (1) day of onsite training)	\$ 1,575.00
Poll Worker Train-the-Trainer (Optional - 1 day of onsite training @ \$1575.00 per day)	\$ -
Software Training - (Five (5) days of onsite training)	\$ 7,875.00
	\$ -
Total - Tier 1.2 County	\$ 9,450.00
Tier 1.3 (Please itemize separate billable components)	
Equipment Operations Training (One (1) day of onsite training)	\$ 1,575.00
Poll Worker Train-the-Trainer (Optional - 1 day of onsite training @ \$1575.00 per day)	\$ -
Software Training - (Five (5) days of onsite training)	\$ 7,875.00
	\$ -
Total - Tier 1.3 County	\$ 9,450.00
Tier 1.4 (Please itemize separate billable components)	
Equipment Operations Training (One (1) day of onsite training)	\$ 1,575.00
Poll Worker Train-the-Trainer (Optional - 1 day of onsite training @ \$1575.00 per day)	\$ -
Software Training - (Five (5) days of onsite training)	\$ 7,875.00
	\$ -
Total - Tier 1.4 County	\$ 9,450.00
Tier 2 (Please itemize separate billable components)	
Equipment Operations Training (One (1) day of onsite training)	\$ 1,575.00
Poll Worker Train-the-Trainer (Optional - 1 day of onsite training @ \$1575.00 per day)	\$ -
Software Training - (One (1) day of onsite training)	\$ 1,575.00
	\$ -
Total - Tier 2 County	\$ 3,150.00
Tier 3 (Please itemize separate billable components)	
Equipment Operations Training (One (1) day of onsite training)	\$ 1,575.00
Poll Worker Train-the-Trainer (Optional - 1 day of onsite training @ \$1575.00 per day)	\$ -
Software Training - (One (1) day of onsite training)	\$ 1,575.00
	\$ -
Total - Tier 3 County	\$ 3,150.00

6.0 Project Labor Cost Table	
Implementation / Installation / Configuration / Acceptance Testing for Average County in each County Tier	
Tier 1.1 (Please itemize separate billable components)	
Installation/Equipment Acceptance-DS200 (\$115.00/unit)	Optional Equipment
Installation/Equipment Acceptance-DS850 (\$1,925.00/unit)	\$ 1,925.00
Installation/Equipment Acceptance-ExpressVote BMD (\$105.00/unit)	\$ 2,415.00
Technical Services EMS Installation (2 day On-site)	\$ 4,600.00
Total - Tier 1.1 County	\$ 8,940.00
Tier 1.2 (Please itemize separate billable components)	
Installation/Equipment Acceptance-DS200 (\$115.00/unit)	Optional Equipment
Installation/Equipment Acceptance-DS450 (\$1,925.00/unit)	\$ 1,925.00
Installation/Equipment Acceptance-ExpressVote BMD (\$105.00/unit)	\$ 1,470.00
Technical Services EMS Installation (2 day On-site)	\$ 4,600.00
Total - Tier 1.2 County	\$ 7,995.00
Tier 1.3 (Please itemize separate billable components)	
Installation/Equipment Acceptance-DS200 (\$115.00/unit)	Optional Equipment
Installation/Equipment Acceptance-DS450 (\$1,925.00/unit)	\$ 1,925.00
Installation/Equipment Acceptance-ExpressVote BMD (\$105.00/unit)	\$ 1,155.00
Technical Services EMS Installation (2 day On-site)	\$ 4,600.00
Total - Tier 1.3 County	\$ 7,680.00
Tier 1.4 (Please itemize separate billable components)	
Installation/Equipment Acceptance-DS200 (\$115.00/unit)	Optional Equipment
Installation/Equipment Acceptance-DS450 (\$1,925.00/unit)	\$ 1,925.00
Installation/Equipment Acceptance-ExpressVote BMD (\$105.00/unit)	\$ 420.00
Technical Services EMS Installation (1 day Off-site)	\$ 1,300.00
Total - Tier 1.4 County	\$ 3,645.00
Tier 2 (Please itemize separate billable components)	
Installation/Equipment Acceptance-DS200 (\$115.00/unit)	\$ 115.00
Installation/Equipment Acceptance-ExpressVote BMD (\$105.00/unit)	\$ 315.00
Technical Services EMS Installation (1 day Off-site)	\$ 1,300.00
Total - Tier 2 County	\$ 1,730.00
Tier 3 (Please itemize separate billable components)	
Installation/Equipment Acceptance-DS200 (\$115.00/unit)	\$ 115.00
Installation/Equipment Acceptance-ExpressVote BMD (\$105.00/unit)	\$ 105.00
Technical Services EMS Installation (1 day Off-site)	\$ 1,300.00
Total - Tier 3 County	\$ 1,520.00
Other Costs - Please itemize other project management/training/implementation costs not captured above for Average County in each County Tier	
Tier 1.1 (Please itemize separate billable components)	
First Election On-Site Support (Optional @ \$4,125.00 per person/per election event)	\$ -
Total - Tier 1.1 County	\$ -
Tier 1.2 (Please itemize separate billable components)	
First Election On-Site Support (Optional @ \$4,125.00 per person/per election event)	\$ -
Total - Tier 1.2 County	\$ -
Tier 1.3 (Please itemize separate billable components)	
First Election On-Site Support (Optional @ \$4,125.00 per person/per election event)	\$ -
Total - Tier 1.3 County	\$ -
Tier 1.4 (Please itemize separate billable components)	
First Election On-Site Support (Optional @ \$4,125.00 per person/per election event)	\$ -
Total - Tier 1.4 County	\$ -
Tier 2 (Please itemize separate billable components)	
First Election On-Site Support (Optional @ \$4,125.00 per person/per election event)	\$ -
Total - Tier 2 County	\$ -
Tier 3 (Please itemize separate billable components)	
First Election On-Site Support (Optional @ \$4,125.00 per person/per election event)	\$ -
Total - Tier 3 County	\$ -
Other Total	\$ -

Tab 7.0: Post-Implementation Support Table

7.0 Post-Implementation Support Cost Table					
Support Category for Tier 1.1 County	Warranty Period	Post-Warranty Year 1	Post-Warranty Year 2	Post-Warranty Year 3	Total
Warranty	Included				Included
Operations Support		\$ -	\$ -	\$ -	\$ -
Maintenance Support		\$ 4,767.50	\$ 4,934.35	\$ 5,107.05	\$ 14,808.90
Application Support		\$ 24,435.00	\$ 25,290.20	\$ 26,175.35	\$ 75,900.55
SUPPORT SUB-TOTAL - Tier 1.1	Included	\$ 29,202.50	\$ 30,224.55	\$ 31,282.40	\$ 90,709.45
Support Category for Tier 1.2 County	Warranty Period	Post-Warranty Year 1	Post-Warranty Year 2	Post-Warranty Year 3	Total
Warranty	Included				Included
Operations Support		\$ -	\$ -	\$ -	\$ -
Maintenance Support		\$ 3,115.00	\$ 3,224.00	\$ 3,336.85	\$ 9,675.85
Application Support		\$ 23,850.00	\$ 24,684.75	\$ 25,548.70	\$ 74,083.45
SUPPORT SUB-TOTAL - Tier 1.2	Included	\$ 26,965.00	\$ 27,908.75	\$ 28,885.55	\$ 83,759.30
Support Category for Tier 1.3 County	Warranty Period	Post-Warranty Year 1	Post-Warranty Year 2	Post-Warranty Year 3	Total
Warranty	Included				Included
Operations Support		\$ -	\$ -	\$ -	\$ -
Maintenance Support		\$ 2,822.50	\$ 2,921.30	\$ 3,023.55	\$ 8,767.35
Application Support		\$ 23,655.00	\$ 24,482.90	\$ 25,339.80	\$ 73,477.70
SUPPORT SUB-TOTAL - Tier 1.3	Included	\$ 26,477.50	\$ 27,404.20	\$ 28,363.35	\$ 82,245.05
Support Category for Tier 1.4 County	Warranty Period	Post-Warranty Year 1	Post-Warranty Year 2	Post-Warranty Year 3	Total
Warranty	Included				Included
Operations Support		\$ -	\$ -	\$ -	\$ -
Maintenance Support		\$ 2,140.00	\$ 2,214.90	\$ 2,292.40	\$ 6,647.30
Application Support		\$ 23,200.00	\$ 24,012.00	\$ 24,852.40	\$ 72,064.40
SUPPORT SUB-TOTAL - Tier 1.4	Included	\$ 25,340.00	\$ 26,226.90	\$ 27,144.80	\$ 78,711.70
Support Category for Tier 2 County	Warranty Period	Post-Warranty Year 1	Post-Warranty Year 2	Post-Warranty Year 3	Total
Warranty	Included				Included
Operations Support		\$ -	\$ -	\$ -	\$ -
Maintenance Support		\$ 417.50	\$ 432.10	\$ 447.20	\$ 1,296.80
Application Support		\$ 4,475.00	\$ 4,631.65	\$ 4,793.75	\$ 13,900.40
SUPPORT SUB-TOTAL - Tier 2	Included	\$ 4,892.50	\$ 5,063.75	\$ 5,240.95	\$ 15,197.20
Support Category for Tier 3 County	Warranty Period	Post-Warranty Year 1	Post-Warranty Year 2	Post-Warranty Year 3	Total
Warranty	Included				Included
Operations Support		\$ -	\$ -	\$ -	\$ -
Maintenance Support		\$ 222.50	\$ 230.30	\$ 238.35	\$ 691.15
Application Support		\$ 4,345.00	\$ 4,497.05	\$ 4,654.45	\$ 13,496.50
SUPPORT SUB-TOTAL - Tier 3	Included	\$ 4,567.50	\$ 4,727.35	\$ 4,892.80	\$ 14,187.65
Initial Post-Warranty Fees:	Maintenance Support	Application Support (Firmware)	Application Support (Software)		
DS850	\$ 2,525.00	\$ 1,575.00	N/A		
DS450	\$ 1,750.00	\$ 1,575.00	N/A		
ExpressVote BMD	\$ 97.50	\$ 65.00	N/A		
DS200	\$ 125.00	\$ 80.00	N/A		
ElectionWare PYO	N/A	N/A	\$ 21,365.00		
Election Reporting Manager	N/A	N/A	\$ 4,200.00		
ExpressPass Software	N/A	N/A	\$ 3,050.00		

Note: CDOS requests a warranty period for one-year from the date of acquisition. Please feel free to explain the terms and conditions of warranties, operations support, maintenance support and application support in an attachment to your final submission.

8.0 Miscellaneous Cost Table for Average County in each County Tier		
Item	Description	Total Cost
Tier 1.1 Counties		
Documentation		Included
Non-Training Travel		Included
Training Travel		Included
Escrow Agent (Source Code)		Included
Other:		\$ -
ExpressVote Activation Card (Packages of 250 each):		
- 11 inch (\$22.50 per package)		
- 14 inch (\$23.75 per package)		
- 17 inch (\$26.25 per package)		
- 19 inch (\$30.00 per package)		
Note: These can be purchased from other vendors but we recommend they be purchased through ES&S.		
Other:		\$ -
Additional 8GB Jump Drives for the DS850 (\$165.00 each)		
Other:		\$ -
Total Miscellaneous Costs - Tier 1.1		Included
Tier 1.2 Counties		
Documentation		Included
Non-Training Travel		Included
Training Travel		Included
Escrow Agent (Source Code)		Included
Other:		\$ -
ExpressVote Activation Card (Packages of 250 each):		
- 11 inch (\$22.50 per package)		
- 14 inch (\$23.75 per package)		
- 17 inch (\$26.25 per package)		
- 19 inch (\$30.00 per package)		
Note: These can be purchased from other vendors but we recommend they be purchased through ES&S.		
Other:		\$ -
Additional 8GB Jump Drives for the DS450 (\$165.00 each)		
Other:		\$ -
Total Miscellaneous Costs - Tier 1.2		Included
Tier 1.3 Counties		
Documentation		Included
Non-Training Travel		Included
Training Travel		Included
Escrow Agent (Source Code)		Included
Other:		\$ -
ExpressVote Activation Card (Packages of 250 each):		
- 11 inch (\$22.50 per package)		
- 14 inch (\$23.75 per package)		
- 17 inch (\$26.25 per package)		
- 19 inch (\$30.00 per package)		
Note: These can be purchased from other vendors but we recommend they be purchased through ES&S.		
Other:		\$ -
Additional 8GB Jump Drives for the DS450 (\$165.00 each)		
Other:		\$ -
Total Miscellaneous Costs - Tier 1.3		Included
Tier 1.4 Counties		
Documentation		Included
Non-Training Travel		Included
Training Travel		Included
Escrow Agent (Source Code)		Included
Other:		\$ -
ExpressVote Activation Card (Packages of 250 each):		
- 11 inch (\$22.50 per package)		
- 14 inch (\$23.75 per package)		
- 17 inch (\$26.25 per package)		
- 19 inch (\$30.00 per package)		
Note: These can be purchased from other vendors but we recommend they be purchased through ES&S.		
Other:		\$ -
Additional 8GB Jump Drives for the DS450 (\$165.00 each)		
Other:		\$ -
Total Miscellaneous Costs - Tier 1.4		Included
Tier 2 Counties		
Documentation		Included
Non-Training Travel		Included
Training Travel		Included
Escrow Agent (Source Code)		Included
Other:		\$ -
ExpressVote Activation Card (Packages of 250 each):		
- 11 inch (\$22.50 per package)		
- 14 inch (\$23.75 per package)		
- 17 inch (\$26.25 per package)		
- 19 inch (\$30.00 per package)		
Note: These can be purchased from other vendors but we recommend they be purchased through ES&S.		
Other:		\$ -
Additional 4GB Jump Drives for the DS200 (\$105.00 each)		
Other:		\$ -
Total Miscellaneous Costs - Tier 2		Included
Tier 3 Counties		
Documentation		Included
Non-Training Travel		Included
Training Travel		Included
Escrow Agent (Source Code)		Included
Other:		\$ -
ExpressVote Activation Card (Packages of 250 each):		
- 11 inch (\$22.50 per package)		
- 14 inch (\$23.75 per package)		
- 17 inch (\$26.25 per package)		
- 19 inch (\$30.00 per package)		
Note: These can be purchased from other vendors but we recommend they be purchased through ES&S.		
Other:		\$ -
Additional 4GB Jump Drives for the DS200 (\$105.00 each)		
Other:		\$ -
Total Miscellaneous Costs - Tier 3		Included

Programming fees for setting up voting system databases, layout of ballots, and generating ballot artwork for the ballot printing vendors

Description	Standard Fees	Discounted Fees with 4-Year Agreement
Paper Ballot Layout (Price per Ballot Face)		
English and Spanish (combined):		
1 to 500 Faces (Price per Face)	\$35.00	\$26.25
501 or more Faces (Price per Face)	\$30.00	\$22.50
Languages other than English/Spanish		
1 to 500 Faces, per Language (Price per Face)	\$70.00	\$52.50
501 or more Faces, per Language (Price per Face)	\$60.00	\$45.00
Base Charge for Ballot On Demand (BOD)	\$535.15	\$401.36

Electronic Screen Layout - ExpressVote BMD		
English and Spanish (combined):		
Per Ballot Style, or precinct, whichever is greater	\$22.00	\$16.50
Languages other than English/Spanish		
Per Ballot Style, or precinct, whichever is greater	\$40.00	\$30.00

Programming Services		
Base Charge per Equipment Type	\$499.25	\$424.35
Base Charge for ERM file set-up	\$499.25	\$424.35
Ballot types created (open primary or multiple-page ballots)	\$75.00	\$63.75
Precincts (for every precinct in the election)	\$9.00	\$7.65
Splits (for every additional ballot style within a precinct.)	\$9.00	\$7.65
Ballot Face Configurations (every unique ballot face in the election)	\$16.00	\$13.60
Contest / Issue Entries (total number of contests, referenda, questions, and/or propositions in the election)	\$17.50	\$14.90
Candidate / Response Entries (total number of candidates &/or responses, including referenda and all write-ins for each contest/issue)	\$7.50	\$6.40
Headers (Central Tabulators)	\$2.00	\$1.70
Re-Coding Fees	\$499.25 + applicable fee for each changed element	\$424.35 + applicable fee for each changed element

Voice Files per Equipment Type		
Language Setup Charge - English	\$330.00	\$297.00
Language Setup Charge - Spanish	\$330.00	\$297.00
Language Setup Charge - All Other languages	\$495.00	\$445.50
Political Parties	\$1.00	\$0.90
Ballot Faces	\$15.00	\$13.50
Contests / Issues	\$16.00	\$14.40
Candidates / Yes-No Responses	\$9.75	\$8.80
Propositions / Amendments / Instructions	\$20.00	\$18.00
Price per word in excess of 1200 total words (Instructions / Propositions / Amendments)	\$0.35	\$0.32

Description	Standard Fees	Discounted Fees with 4-Year Agreement
Resubmission	\$330.00 for English & Spanish and \$495.00 (for each additional language), plus the applicable fee for each element changed for each language	\$297.00 for English & Spanish and \$445.50 (for each additional language), plus the applicable fee for each element changed for each language

Other Services (Standard Overnight Delivery Charges Will Apply and Will Be Billed Separately)		
Media burn (Jump Drives and other media devices)	\$12.50	\$12.50
Electronic transfer files (one charge per county, per election)	\$125.00	\$125.00
SOS Media	\$60.00	\$60.00
.pdf File Extraction (per Style)	\$1.00	\$1.00
Sample Ballot Creation	\$35.00	\$35.00
Publication Ballot Creation	\$175.00	\$175.00
ESSIM Test Deck Creation (does not include print costs)	\$295.00	\$295.00
Auto Test Deck PDF Creation (\$10.00 per Style. Minumum Charge of \$150.00.)	\$10.00	\$10.00
Ballot Assignment Chart	\$399.50	\$399.50
Download Results From Media	\$60.00	\$60.00
ERM State Utility File	\$399.50	\$399.50