

Wyer, Dennis

From: Whitehead, Jerie
Sent: Tuesday, December 11, 2001 1:35 PM
To: RFP Alert
Subject: Request for Proposals for a New Electronic Election System for the Kanawha County Clerk's Office

KANAWHA COUNTY COMMISSION

P. O. BOX 3627
407 VIRGINIA STREET, EAST
CHARLESTON, WEST VIRGINIA 25336
(304) 357-0117

Request for Proposals

Re: Complete, Integrated, ADA Compliant Direct Recording Electronic (DRE) Touch Screen Election System and Absentee Mail Out Election Subsystem

Date: December 11, 2001

Fiscal Year: 2001-02

Proposal Due Date: Proposals must be received on or before Thursday, December 27, 2001, at 3:00 p.m. in the Kanawha County Commission Purchasing Office, 407 Virginia Street, East, Third Floor, Room 229, Charleston, WV 25301 (P.O. Box 3627, Charleston, WV 25336)

INSTRUCTIONS TO BIDDERS:

***THIS FORM MUST BE THE COVER SHEET FOR YOUR PROPOSAL**

- Proposals must be received in a sealed envelope with the date and time of the bid opening on the outside of the envelope. Faxed Proposals will not be accepted.**
- Unsigned Proposals will not be accepted.**
- Proposal must be F.O.B. Delivery Point, unless otherwise indicated in proposal.
- All proposals should be in ink, showing all facts and the total amount of the bid.
- The County reserves the right to accept or reject in part or in whole any proposal submitted, whichever is in the best interest of the County.

Item No.	Description
1	Complete, Integrated, ADA Compliant Direct Recording Electronic (DRE) Touch Screen Election System and Absentee Mail Out Election Subsystem per the Attached Specifications

Vendor Name: _____
Address: _____

Signature: _____
Date: _____
Telephone: _____

SPECIFICATIONS

COUNTY COMMISSION OF KANAWHA COUNTY CHARLESTON, WEST VIRGINIA

ITEM: Complete, Integrated, ADA Compliant Direct Recording Electronic (DRE) Touch Screen Election System and Absentee Mail Out Election Subsystem

LOCATION: Kanawha County Clerk
409 Virginia Street, East
Charleston, WV 25301

CONTACT:	Jerie Whitehead Purchasing Director Kanawha County Commission 407 Virginia St., East P.O. Box 3627 Charleston, WV 25336 Telephone (304) 357-0115	Vera McCormick Voter Registration Supervisor Kanawha County Clerk 415 Quarrier Street Charleston, WV 25301 Telephone (304) 357-0110
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PROPOSAL: Proposals must be received in a sealed envelope, with the date and time
DUE DATE: of the bid opening on the outside of the envelope, on or before Thursday,
December 27, 2001, at 3:00 p.m., in the Kanawha County Commission
Purchasing Office, 407 Virginia Street, East, Third Floor, Room 229,
Charleston, West Virginia 25301 (P.O. Box 3627, Charleston, WV 25336).
Faxed bids will not be accepted.

SPECIFICATIONS: The following specifications are intended to describe a completely integrated, ADA compliant direct recording electronic (DRE) touch screen election system and absentee mail out election subsystem for the Kanawha County Clerk=s Voter Registration Office and the details contained in these specifications are not designed to exclude any manufacturer from bidding, but are offered as a means of describing the needs of the Kanawha County Clerk=s Voter Registration Office. Where brand names may be used, the words Aor equal@ are assumed to follow. All specifications are minimum requirements.

- Objective:**
The Kanawha County Commission is soliciting offers for a completely integrated, ADA compliant, direct recording electronic (DRE) touch-screen election system and absentee mail out election subsystem. One thousand one hundred twenty-two (1,122) devices and Twenty (20) absentee devices are required. For purposes of providing a proposal, bidders should assume that the touch-screen system will be employed for both in-person absentee and election day voting and the mail out absentee system will be employed for all mail out absentee voters, including both domestic and overseas voters.

Jurisdiction Profile:

Kanawha County has approximately 116,819 registered voters

There are currently 187 precincts

There are 16 sub-county jurisdictions where elections are run by the County

Anticipated number of elections to be conducted by the County in 2002 - Five (5) municipality, two (2) statewide

2003 - Eleven (11) municipality 2004 - Three (3) municipality, two (2) statewide

Previous election and turnout results:

1998 Primary - 117,572 registered voters; 26,901 ballots cast (22.88%)

1998 General - 117,878 registered voters; 51,224 ballots cast (43%); total 1,177 absentee voters 2000 Primary - 118,224 registered voters; 47,344

ballots cast (40%)

2000 General - 122,693 registered voters; 78,115 ballots cast

(63.67%); 1,700 mail-in absentee; 2,013 in-person absentees

Profile of Election Office including general physical facilities and locations -

Offices are located at 415 Quarrier Street, Charleston, WV 25301

Number of independent districts/jurisdictions in County (Congressional, State Senate, State House, etc.) - Four (4) Magisterial Districts, One (1) Congressional District, Three (3) Delegate Districts, Two (2) Senatorial Districts

Anticipated changes resulting from reapportionment and redistricting -

Changes already made (See #G)

Current voter registration and election system hardware and software -

Election Systems and Software

Implementation Schedule:

- A. Desired number of voter terminals Five (5) per precinct; Twenty (20) for absentee voting (also using as office extras)

Desired number of ADA compliant voter terminals One (1) per precinct; Two (2) for absentee voting (also office extras)

Desired implementation schedule for installation of new election system: Require Twenty (20) terminals and One (1) ADA terminal for absentee voting in January 2002 for Primary Election in May 2002.

Bidders are expected to document management of the installation of a new direct recording election system in Kanawha County. While Kanawha County recognizes the need to provide some latitude to potential bidders, bidders must describe, at a minimum, the name and credentials of a proposed project manager with requisite election jurisdiction installation and operational experience. Provide an outline of a master implementation plan including all necessary election installation, operation, service and support functions, tasks and activities.

4. General Corporate Information:

- A. Proposals must have documented experience in supporting election installations throughout the United States including experience in manufacturing, installing and supporting touch-screen DRE election systems in multiple election jurisdictions. This background must include, at a minimum:

The full name of the company
Where and when incorporated

- c. The number of full-time personnel dedicated to voter registration and election systems manufacturing service and support

The number and location of staffed regional offices dedicated solely to elections

- e. The names and contact numbers of major state/county/city clients using bidding corporation=s election systems.
- A description of all election and voter registration hardware and software subsystems manufactured, sold and supported and any other information documenting the bidding corporation=s experience in servicing and supporting election jurisdictions including touch-screen DRE and absentee voting systems.

Election System - General Specifications:

Each bidder/proposer must detail, in writing, how the exact system being proposed conforms to each of the specifications listed below:

Each bidder must describe the exact system being proposed including, at a minimum, all hardware components, subsystem model or version number(s), firmware versions, dimensions, technical specifications and other information such that Kanawha County is provided a complete technical background on the exact system being proposed.

The election system being proposed must be certified by an independent testing authority (ITA).

The election system being proposed must be certified by the State of West Virginia. Such certification must be completed prior to submission of the response to this RFP. The touch-screen voting system must also be certified by the State of West Virginia with an audio ballot capability for voters with visual disabilities.

Bidders/proposers must propose new DRE Touch-Screen and absentee election equipment and software and the proposer must certify, in writing, that the proposed voting equipment is new, of the latest model with the latest and most current resident firmware. Kanawha County will not accept bids/offers for used voting equipment.

The DRE touch-screen voting system being proposed must be protected by an issued United State Patent. Bidders must include a copy of the entire patent with this application.

The proposed DRE touch-screen system platform and concept must have a demonstrated, successful election track record in multiple election jurisdictions and states, proposer must include a list of election jurisdictions that are currently using the DRE touch-screen platform and absentee system being proposed. This client list must include the following information:

The number of DRE touch-screen voting units being used in each jurisdiction

The name, address, telephone, Fax and E-Mail address for the chief election official in each jurisdiction

The number of registered voters in each jurisdiction

The number of early voting and/or jurisdiction-wide elections conducted on the DRE touch-screen voting system

When the system was first used in a public election in each client jurisdiction.

System Design Specifications:

The touch-screen DRE system being proposed must be configured such that any voter terminals can be delivered to any early voting or in person absentee voting site or precinct without any resident internal ballot configurations prior to opening of polls thus allowing easy accommodation of last minute ballot changes and expedited addition of terminals after polls have opened.

For system security purposes, each DRE touch-screen voter terminal and every associated voter activating and vote recording device and component must employ a unique election specific electronically implanted internal security code (election qualification code or EQC) such that the absence of such code prevents substitution of any unauthorized voter terminal or vote recording device.

For system audit purposes, each voter terminal and each voter and vote activating and vote recording device must each have a unique, embedded serial number such that all pre-election, election-day and post election activities of all voter terminal, voter activating and vote recording devices are time and date stamped and recorded in the internal audit system of each voter terminal.

The proposed internal election system operating system in each proposed DRE touch-screen voter terminal must be specifically designed to meet the unique requirements of the West Virginia Election System and process including multiple ballot combinations, redundancy, protection against unauthorized entry, write-in features and all ancillary election and voting requirements.

The proposed DRE touch-screen election system must employ scalable technology including the following capabilities:

- The ability to easily update voter terminal memory through compact flash card technology

- The ability to accommodate all voters with physical and visual disabilities

- The ability to add specific Kanawha County requirements including display of Kanawha County Title Pages, review screen and other voter prompts directly on voter terminal screens

- The ability to provide ballots and instructions in multiple languages including symbolic languages

- All proposed DRE touch-screen voter terminals must include a rugged, portable, voting, storage and delivery voter privacy booth, case and stand with the following features:

- Custom designed molded terminal case

- Integrated carrying handle and wheels

- Easy access to ballot activation and ADA ballot activation subsystems

- Allow voting in complete privacy

- Provide easy access to voter terminal for curbside and disabled voter use

- Daisy-chain electrical connection capabilities

System Technical Requirements:

- All touch-screen voter terminals must allow voting in physical privacy

- All touch-screen voter terminals must protect the anonymity of each voter's ballot choices

- All touch-screen voter terminals must be able to accommodate all West Virginia ballot configurations including closed primaries, multiple ballot styles during in person early voting, split precincts, write-in voting, voting for more than one choice in an office, multiple language and other related requirements

- All touch-screen voter terminals must allow individual voters to vote for only those ballot choices

applicable to that individual voter

All touch-screen voter terminals must prevent over-voting at the point of voting

All touch-screen voter terminals must provide methods to minimize inadvertent under voting including the ability to review and make changes for all ballot choices from any page of the ballot prior to final casting of the ballot and the option to provide a final review screen which displays all offices either not voted or under voted with the ability to make additional ballot selections.

All touch-screen voter terminals must provide methods to encourage voters to view all ballot choices on all pages of the election ballot

All touch-screen voter terminals must have both a public and protective counter

All touch-screen voter terminals must have a real time and date clock

All DRE touch-screen terminals must be capable of being pre-tested prior to election day. Each voter terminal must contain menu driven internal electronics providing the ability for maintenance personnel to set-up, pre-test and check out all internal electronics and physical requirements prior to delivery to early voting and election day sites.

All DRE touch-screen voter terminals in a precinct must be capable of being easily opened on election day through the use of one activating device. Such activating device must have a unique embedded serial number for audit purposes. Once set up in their respective voting booths, voter terminals must be activated for voting with a maximum of two steps.

Immediately prior to the opening of the polls on election day, the DRE touch-screen election system must be capable of producing, at each precinct, one precinct specific, cumulative, printed Azero tape@ that cumulates zero counts for all voting terminals opened at the precinct. Such zero tape system must be capable of producing multiple zero count copies, if desired, and such zero tape must contain the following data:

Identification of precinct

Time and date zero tape produced

Serial number of each voter terminal opened

Date and time each terminal opened

Public and protective counts for each terminal opened

Verification of cumulative zero counts for all voter terminals opened in the precinct

Such zero count tape must cumulate zero counts for every office, candidate and issue on the ballot in the precinct or location and such tape must include spaces for signatures of precinct or early voting officials

Each DRE touch-screen voter terminal must be a stand-alone, independent, self contained election system with its own independent internal DC power source such that the failure of any one voter terminal during election day has no effect on any other terminal. Kanawha County will not accept bids for any type of precinct based networked DRE system. Each proposed touch-screen voter terminal must allow voters to vote directly on the touch-screen using a finger touch or stylus, record and retain all pre-election, election day and post election events, diagnostics and votes in multiple, independent election memories within the voting terminal itself, include a complete audit trail and diagnostic system and be capable of

- producing both electronic and paper copies of all results entered into each voter terminal.
- Each DRE touch-screen voter terminal must be capable of being directly voter activated through the terminal=s touch screen by a precinct.
- Official employing a voter activating device containing a unique, embedded serial number. This allows complete auditing of all such voter activations.
- In order to accommodate curbside voters, each DRE touch-screen voter terminal, employed for curbside voting, must weigh no more than ten (10) pounds. Such terminal must also be completely portable such that multiple ballots can be activated directly on the screen of the voter terminal using an activating device with a unique, embedded serial number for audit purposes.
- In order to accommodate voters with disabilities directly in early voting sites and election day precincts, each DRE touch-screen voter terminal must be capable of being used directly on the lap of a voter in a wheelchair. This is the preferred method of voting by most voters in wheelchairs.
- In order to accommodate voters with visual impairments, the proposed DRE voter terminal must include an internal audio ballot capability employing commonly accepted and internationally recognized electronic accessibility button technology. Such accessibility technology must be built directly into the face of the voter terminal through a key-set (with Braille embossing) and must employ real, not digitized, voice technology capable of providing complete, general and specific ballot instructions in multiple languages if preferred. The DRE voter terminal must also be capable of being upgraded to accommodate puff and sip tube accessibility technology when applicable standards are developed and made operational for such technology.
- Each touch-screen voter terminal must include the capability of deactivating a ballot that was incorrectly activated for a voter prior to the voter casting the ballot. All such deactivations must be recorded and retained within the audit system of each terminal including a date and time stamp and the serial number (s) of the activating device(s).
- All touch-screen voter terminals must be capable of being closed with a maximum of two steps. Each voter terminal must contain a real-time clock such that all opening, election day operation and closing events are time and date stamped and must prevent closing of terminals prior to state mandated poll closing times. The system must also provide methods to assure all voter terminals that were opened were closed and cumulated.
- The DRE touch-screen voting system must be capable of producing, at each precinct, one printed, cumulative, precinct level election report immediately after the close of the polls. This

one printed set of results must cumulate all voter terminals used in the precinct. Such printed cumulative results must include the following data in multiple copies, if desired:

1. Identification of location

Time and date election results produced

Serial numbers of all voter terminals opened and closed with time(s) and date

Cumulative and individual voter terminal public counts, protective counts, and cumulative election results including raw and percentage totals for all terminals used in that precinct on election day. Such totals tape must provide cumulative results for all offices, candidates and issues on the ballot in that location or precinct.

Directly after the close of the polls on election night, the DRE touch-screen voting system must be capable of directly modeming one cumulative election results, cumulating all election results from each voter terminal used in a precinct, from each precinct to county headquarters. Modeming results from individual voting terminals is not acceptable.

Directly after the close of the polls on election night, the DRE touch-screen election system must be capable of implanting a set of cumulative results from all voter terminals used in a precinct into one machine-readable vote recording processor that, in turn, can be physically transported for election cumulation or audit purposes.

Each DRE touch-screen voter terminal=s audit trail system, including all random ballot images, must be retained within at least three independent memories within each voter terminal. Such audit trail system must not require any type of external AC or DC battery power to retain memory. Such audit system contained in each voter terminal must be capable of documenting and printing, in easy to read alpha-numeric format, all pre-election, election day and post election day activities, including:

1. Voter terminal serial number

2. Ballot description

3. Location of terminal on election day

4. The election specific qualification code (EQC)

5. When terminal was opened and closed, date and time

6. Events by serial number, date and time

Pre-election pre-testing and preparation-date and time

Pre-election date and time stamp for activating device

Election day event codes, normal and anomalies

Election day date and time stamp for activating device (s)

Individual voter ballot images

Offices, candidates, selected by each voter

All post election events, audit dump

Each voter terminal must be equipped with

rechargeable batteries. Each voter terminal must be capable of providing at least two hours of voting on such internal batteries.

The touch-screen election system must provide multiple recount methods including the ability to:

Hand-tally printed precinct returns to compare with cumulative election results

Reread precinct specific vote tabulation processors to produce a new set of election totals

Zero out election results from precinct specific vote tabulation processors or employ other processors

Recollect a whole new set of results from each voter terminal and produce a new set of election results and hand-tally of printed ballot images from all voter terminals for designated candidates and offices.

Absentee Mail Out Subsystem:

Bidder must propose an integrated, optical scan absentee mail out system

The proposed absentee ballot optical scan counting subsystem must be certified both by an ITA and by the State of West Virginia

System Warranties and Support:

All system hardware, including any third party hardware, must be warranted for a total of five (5) years as required by West Virginia Law. Such warranty begins when such hardware is delivered and acceptance tested by Kanawha County. Bidder must include anticipated per unit annual warranty costs at the expiration of warranty.

Bidding company must provide adequate on-site, pre-election, election day, and post election training and support for one year=s elections or two countywide elections. Such support must include the following functions, tasks and activities:

Training of central staff on hardware storage, maintenance, pre-election set-up, delivery, election day operations and post election activities including all requisite documentation

Training of central staff on all software set up and operation including all requisite documentation

Training of central election office staff on early voting and election day precinct officials including all requisite poll worker training documents

Assistance to Kanawha County staff in developing a voter information and education program

All requisite on-site, pre-election, election day and post election support

System costs:

Bidders must submit system costs for the following:

Outright system purchase

System lease purchase for 3, 5 and 7 year annual in arrears payments

System lease with minimal year annual commitment and annual

payments.

In submitting costs, bidders must provide the following cost breakdowns:

Total cost for One thousand one hundred twenty-two (1,122) voter terminals, Twenty (20) absentee voter terminals and the cost per individual terminal with the following capabilities:

One terminal with ADA capabilities per precinct

Touch screens activated for voters by precinct officials

Total cost for absentee ballot mail out system hardware meeting the above objectives

TERMS & CONDITIONS:

Real Estate and Personal Property Taxes: "No bid will be accepted or opened on any County contract if the vendor is listed on the last published list of delinquent real or personal property taxes in Kanawha County; however, the Commission will accept bids by vendors who provide satisfactory proof of payment of current taxes or a certification from the Sheriff that no taxes are due prior to submission of said bid."

Required Forms: Vendor shall complete and submit, or have on file with the County, a Vendor Registration and Disclosure Statement Form. A registration form is being supplied for your convenience.

Rejection of Bids: The Kanawha County Commission reserves the right to reject any and/or all bids and to waive any informalities in bidding.

ELECTRONIC VOTING SYSTEM REQUIREMENTS PURSUANT TO WV CODE 3-4a-9

Below is a general guideline to help ensure that all technical points of the WV Code 3-4a-9 are considered during a vendor presentation. This list is not to be considered inclusive of all Electronic Voting System Requirements:

1. Ensure secrecy of voter.
2. Act of Voting - Must be constructed so that no one can see who voter is voting for.
3. Must have a Awrite-in@ area to accommodate write-in candidates.
4. Must detect over votes and allow to vote only on authorized races.
5. Must allow change of votes prior to ballot casting.
6. Must have method of testing ability to Aensure@ accuracy of system.
7. Two program decks.
8. Must accurately record votes.
9. Permits straight party vote.
10. Permit each voter in primary elections to vote only for candidates of the party...
11. Sealing or electronically securing the vote record to prevent its use and prevent tampering with ballot labels, before, after, etc.
12. Must support at least nine (9) parties and fifteen (15) questions.
13. Where vote recording devices are used:
 1. Quality in construction
 2. Tamper proof screens or attach frame for ballot labels
 3. Machine ID
 4. Easy to use, high adaptation
 5. Instructions available
 6. Specifically design hardware

7. Prevent over vote with A/V alarms
8. Voter must clearly see when questions/races that are longer than one page
9. Spoil Vote/Logging/etc.
10. Record Challenged ballots
11. Independent and non-networked. Each unit must store vote in nonvolatile ram, contain internal security
12. Three nonvolatile storage of votes
 1. Problems must not go undetected
 2. Diag. routine to verify votes
13. Internal Serial numbers on each device
14. Record/log all pre/post activity
15. Minimum two (2) hours of battery backup power
16. Prevent vote loss
 1. Must log all system anomalies
 2. Lots and votes survive power loss

KANAWHA COUNTY COMMISSION

P. O. BOX 3627
407 VIRGINIA STREET, EAST
CHARLESTON, WEST VIRGINIA 25336
(304) 357-0117

Request for Proposals

Re: Self-Contained Electronic Election System

Date: December 11, 2001

Fiscal Year: 2001-02

Proposal Due Date: Proposals must be received on or before Thursday, December 27, 2001, at 3:00 p.m. in the Kanawha County Commission Purchasing Office, 407 Virginia Street, East, Third Floor, Room 229, Charleston, WV 25301 (P.O. Box 3627, Charleston, WV 25336)

INSTRUCTIONS TO BIDDERS:

***THIS FORM MUST BE THE COVER SHEET FOR YOUR PROPOSAL**

1. **Proposals must be received in a sealed envelope with the date and time of the bid opening on the outside of the envelope. Faxed Proposals will not be accepted.**
2. **Unsigned Proposals will not be accepted.**
3. Proposal must be F.O.B. Delivery Point, unless otherwise indicated in proposal.
4. All proposals should be in ink, showing all facts and the total amount of the bid.
5. The County reserves the right to accept or reject in part or in whole any proposal submitted, whichever is in the best interest of the County.

Item No.	Description
1	Self-Contained Electronic Election System per the Attached Specifications

Vendor Name: _____

Signature: _____

Address: _____

Date: _____
Telephone: _____

SPECIFICATIONS

COUNTY COMMISSION OF KANAWHA COUNTY CHARLESTON, WEST VIRGINIA

ITEM: Self-Contained Electronic Election System

LOCATION: Kanawha County Clerk
409 Virginia Street, East
Charleston, WV 25301

CONTACT:	Jerie Whitehead Purchasing Director Kanawha County Commission 407 Virginia St., East P.O. Box 3627 Charleston, WV 25336 Telephone (304) 357-0115	Vera McCormick Voter Registrar Kanawha County Clerk 415 Quarrier Street Charleston, WV 25301 Telephone (304) 357-0110
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PROPOSAL: **Proposals must be received in a sealed envelope, with the date and time**
DUE DATE: **of the bid opening on the outside of the envelope, on or before Thursday,**
December 27, 2001, at 11:00 a.m., in the Kanawha County Commission
Purchasing Office, 407 Virginia Street, East, Third Floor, Room 229,
Charleston, West Virginia 25301 (P.O. Box 3627, Charleston, WV 25336).
Faxed bids will not be accepted.

SPECIFICATIONS: The following specifications are intended to describe a self-contained electronic election system for the Kanawha County Clerk=s Voter Registration Office and the details contained in these specifications are not designed to exclude any manufacturer from bidding, but are offered as a means of describing the needs of the Kanawha County Clerk=s Voter Registration Office. Where brand names may be used, the words Aor equal@ are assumed to follow. All specifications are minimum requirements.

Specifications

1. The Kanawha County Commission is soliciting offers for an electronic election system of such original design as to be classified as a self-contained automatically fed centralized tabulator with the ability to produce countywide totals without accumulation from multiple counters

System source document shall be a paper ballot 82" x 14", individually encoded which will permit system tabulators to read any type or style of ballot, from any precinct, in any sequence, without pre-sorting or special program instructions during tabulations.

Any bid shall provide a minimum of one ballot tabulator and each tabulator shall be capable of counting, retaining and reporting complete election results. (Bidder shall include copies of all reports the system is capable of producing). Ballot tabulators shall be capable of processing ballots at a minimum rated machine speed of 250 ballots per minute. Vote total database must be inaccessible by system operators.

The manufacturer of the equipment shall warrant the entire system against defects in both manufacture and material and state such warranty for a minimum of five (5) years. The bidder shall detail any maintenance contract available to the County.

Bidder shall list all services provided with the purchase price of the equipment (i.e. training, etc.). Ballots shall be of the type that can be produced by a printer of the County's choice with no annual license fee.

Bidder shall provide a list of locations in West Virginia where the vendor has installed equipment similar to the proposed system.

Any equipment submitted under this bid must conform to any and all state statutes governing election equipment. The Voting System bid must be currently certified by the Secretary of the State for use in West Virginia.

Bidder shall list and include the purchase price for any and all accessories needed to operate the system (i.e. Ballot Jogger, Scanner Table, Waterproof/Dust Cover, Ballot Boxes, Absentee Pencils, Seals, etc).

The manufacturer of the equipment shall guarantee a maximum four-hour (4 hour) response time to an election night service request during the period of time that the system is under factory warranty.

Equipment is to be delivered, setup and programmed and staff is to receive proper training prior to the Primary Election in May 2002.

Vote total data base program must be capable of pre-established security means either utilizing in-home security methods or optimally being inaccessible to in-house system operators.

Kanawha County requires One thousand one hundred twenty-two devices (1,122) and Twenty (20) absentee devices.

TERMS & CONDITIONS:

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1. Ensure secrecy of voter.
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3. Must have a "write-in" area to accommodate write-in candidates.
4. Must detect over votes and allow to vote only on authorized races.
5. Must allow change of votes prior to ballot casting.
6. Must have method of testing ability to "ensure" accuracy of system.
7. Two program decks.
8. Must accurately record votes.
9. Permits straight party vote.
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11. Sealing or electronically securing the vote record to prevent its use and prevent tampering with ballot labels, before, after, etc.
12. Must support at least nine (9) parties and fifteen (15) questions.
13. Where vote recording devices are used:
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 5. Instructions available
 6. Specifically design hardware
 7. Prevent over vote with A/V alarms
 8. Voter must clearly see when questions/races that are longer than one page
 9. Spoil Vote/Logging/etc.
 10. Record Challenged ballots
 11. Independent and non-networked. Each unit must store vote in nonvolatile ram, contain internal security
 12. Three nonvolatile storage of votes
 1. Problems must not go undetected
 2. Diag. routine to verify votes
 13. Internal Serial numbers on each device
 14. Record/log all pre/post activity
 15. Minimum two (2) hours of battery backup power
 16. Prevent vote loss
 1. Must log all system anomalies
 2. Lots and votes survive power loss

Outgoing mail is certified Virus Free.

Checked by AVG anti-virus system (<http://www.grisoft.com>).

