

EXHIBIT B
ATTACHMENT 1

STATEMENT OF WORK

HART INTERCIVIC

Boulder County
Integration, Signature
Capture/Compare, Automated BN
Ballot Printing, and Specialized
Reporting

APRIL 13, 2004

Table of Contents

SECTION 1. INTRODUCTION..... 3

PURPOSE 3

SCOPE 3

SECTION 2. SPECIALIZED REPORTING..... 4

OVERVIEW 4

SPECIALIZED REPORTING PC REQUIREMENTS..... 4

HTML REPORT REQUIREMENTS 5

STATE EXTRACT REQUIREMENTS..... 5

SPECIALIZED REPORT DELIVERABLES 6

SECTION 3. SIGNATURE CAPTURE AND COMPARE..... 7

OVERVIEW 7

SIGNATURE CAPTURE AND COMPARE REQUIREMENTS 8

SIGNATURE CAPTURE AND COMPARE DELIVERABLES 10

SECTION 4. AUTOMATED BALLOT NOW BALLOT DELIVERY 11

OVERVIEW 11

AUTOMATED BALLOT NOW BALLOT DELIVERY REQUIREMENTS 11

AUTOMATED BALLOT NOW DELIVERY SYSTEM DELIVERABLES..... 12

Change History

Version	Date	Author	Description
1.0	3/19/04	Victor Babbitt	Created preliminary specification

SECTION 1. INTRODUCTION

PURPOSE

This document describes the Statement of Work for various custom software applications in support of elections and various election processes in Boulder County, Colorado.

SCOPE

This document specifies the requirements, scope and deliverables for the custom software developed for Boulder County, Colorado. It provides a complete, but broad overview of the requirements and is not intended to define specific design or operational details, although design suggestions may be shown to illustrate certain requirements.

This document will describe the requirements, scope and deliverables for the following processes only:

- A) Specialized Reporting
- B) Signature Capture and Compare
- C) Automated Ballot Now Ballot Delivery

This Statement of Work does not cover any other products or issues. Specifically, this Statement of Work does not cover election procedural issues or use of the Hart standard product suite (including Ballot Now, Rally, BOSS, Tally).

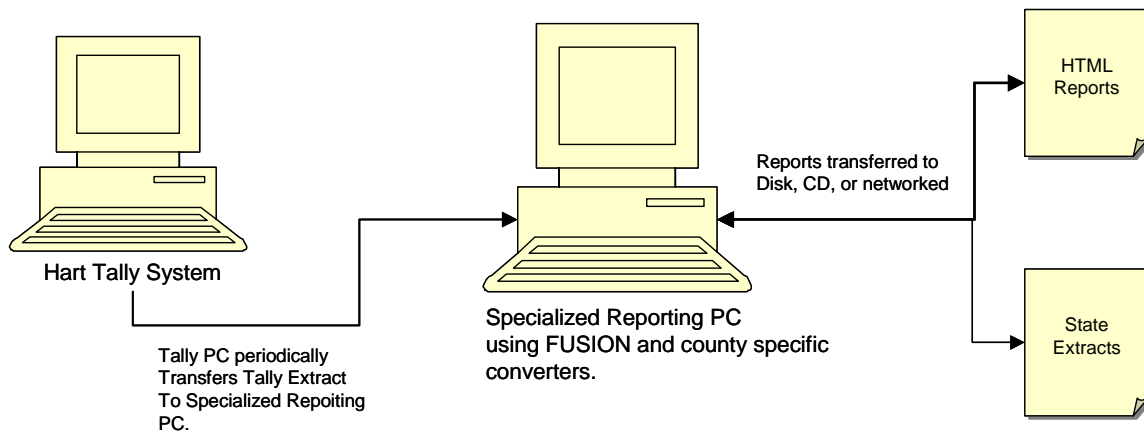
SECTION 2. SPECIALIZED REPORTING

OVERVIEW

There are two reports required by Boulder County that are not available through the standard Tally reports. These reports include an HTML report for posting to the web, and the State Extract as required by the Secretary of State office. The integration and reporting will be performed on a stand alone PC (The “Specialized Reporting PC”) whose sole function is to accept input from the PC running the Hart Tally program, and to output the HTML and State Extracts. The Specialized Reporting PC will be running the Hart FUSION program with input and output converters specific to Boulder County’s specialized reporting needs.

A diagram of this process is as follows:

Boulder County Specialized Reporting System



SPECIALIZED REPORTING PC REQUIREMENTS

The specification requirements for the Specialized Reporting PC include:

- 2Ghz processor speed, 1GB RAM
- Windows 2000
- CD-R
- Network card and OS support sufficient to network with Tally PC

HTML REPORT REQUIREMENTS

The following are requirements of the HTML Specialized Reports:

- 1) Report will be in appear as a single HTML page, potentially with a framed index page.
- 2) Report will not use any specialized functionality such as javascript, applet support, ActiveX support or animation.
- 3) Specifications and Requirements for report will be generated in a single HTML requirements meeting between Hart and County. Report may have graphics as specified by the County, graphics to be supplied by County.
- 4) Example HTML reports will be provided the County based on originally captured requirements from HTML requirements meeting.
- 5) County will, within 3 days of receipt of example reports, respond to report format, stating whether it is acceptable to county or requires more changes.
- 6) If the format is not acceptable, County may request changes, and Hart will make requested changes if possible. Upon receipt of updated example reports, County will, within 3 days, respond to updated report format, whether it is acceptable to county or requires more changes
- 7) If, after receipt of the 2nd set of examples, the County still wishes the report format to change, Hart will make requested changes, but county will accept these changes as final changes.
- 8) County will sign off on HTML report format. Once format is signed off, further changes to the HTML report format will be outside the scope of this SOW.

STATE EXTRACT REQUIREMENTS

The following are requirements of the State Extract Reports:

- 1) State Extract will be produced in the form of a text-based flat file..
- 2) Specifications and Requirements for the State Extract will be derived from meetings with Hart and Colorado State staff or vendors, as directed by the Colorado Secretary of State office. Boulder County will be invited to be part of any of these meetings.
- 3) Once specifications and requirements for the State Extracts are understood, Hart will supply to county a document describing these specifications and requirements as understood by Hart. County will have 3 days from receipt of specifications and requirements for the State Extracts to sign off on these specifications or alter the specifications as they see fit.

- 4) If County requests changes to the State Extract specifications, Hart will make these changes per the county, and county will then sign off on the revised specifications.
- 5) Once State Extract Report is signed off, further changes to the State Extract report will be outside the scope of this SOW.

SPECIALIZED REPORT DELIVERABLES

The following are deliverables to the county on Specialized Reports.

- 1) Project Plan for delivery and acceptance of Specialized Reports custom engineering project
- 2) Hart FUSION application, with input converter for Tally Extract files
- 3) Hart FUSION converter specific to outputting county HTML report
- 4) Hart FUSION converter specific to outputting State Extract report
- 5) Manual for Hart FUSION application
- 6) Operational manual for producing Boulder county's specialized HTML and State Extract reports from FUSION
- 7) Training for FUSION operation and generation of Specialized HTML and State Extract Reports

SECTION 3. SIGNATURE CAPTURE AND COMPARE

OVERVIEW

Boulder County will mail absentee ballots to registered absentee voters. Upon receipt of the completed ballots, the county wishes to be able to scan the ballot envelopes and capture the voter authentication information from the envelope (voter registration #, voter name), scan the voters signature, and then compare the scanned signature with previous signatures on file for that voter with the county. After comparison, the county wishes to make a determination of the status of that voter (ballot accepted, signatures don't match, no signature, etc.). The county wishes this process to automatically update the Sequoia Integrity Voter Registration database, so that county personnel do not have to perform this update manually after the fact.

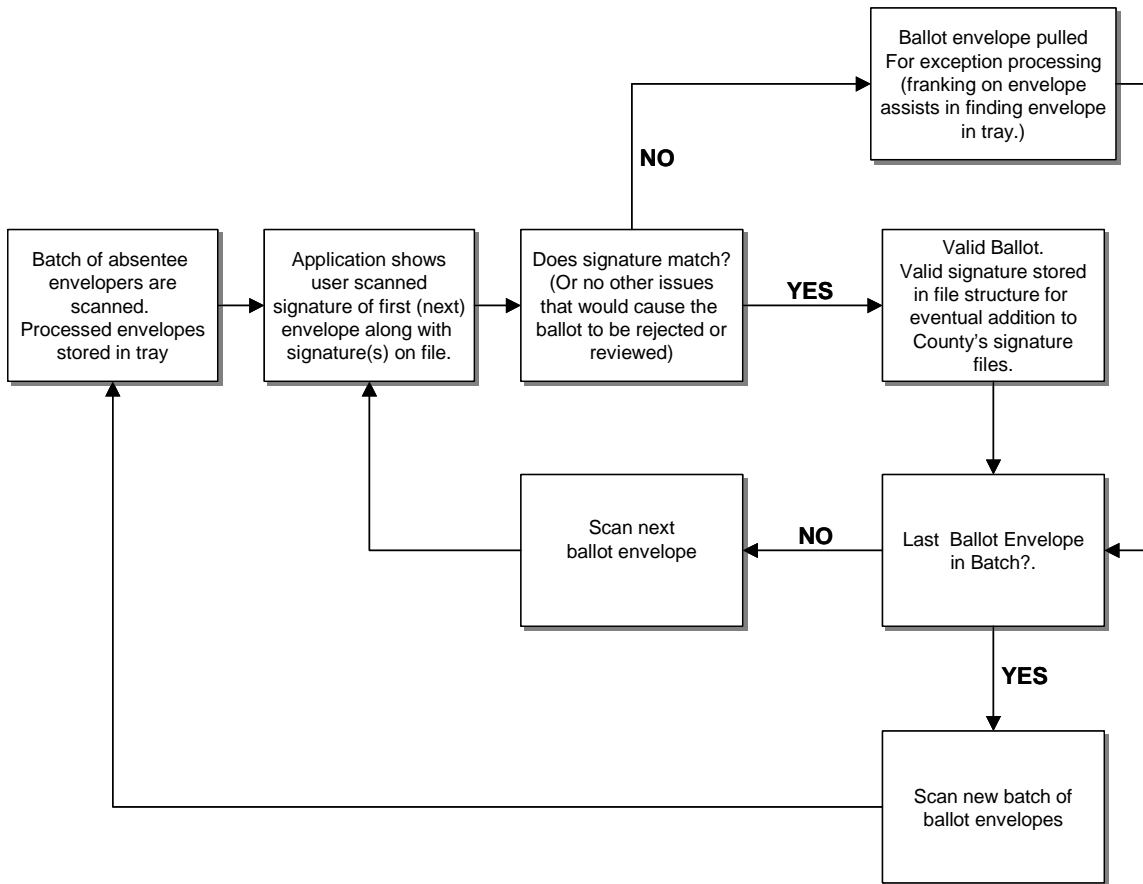
Hart will provide an application that will interface with the county's envelope scanner, that will scan returned absentee envelopes, and capture relevant voter information available in the bar code on the envelope, (Voter Registration #, voter name, etc.). The associated voter signature will also be scanned and captured. During scanning, a 'franking' mark will be put on the envelope by the scanner, allowing easier tracing of the envelope after scanning. The application will allow the county to compare the present scanned signature with all previous signatures stored for that voter in the county signature folder/file structure. The application will allow the county to make a determination of the status of this absentee ballot.

If the signature is accepted, then the scanned signature will become part of a separate file structure for eventual import into the counties signature folder/file structure.

If possible, (see below) the application will update the Integrity VR Database in real time and in parallel with the signature capture and compare process.

A simplified diagram of this process is as follows:

Boulder County Signature Capture and Compare Process



SIGNATURE CAPTURE AND COMPARE REQUIREMENTS

The following are requirements of the Signature Capture and Compare (SCC) system.

- 1) SCC will integrate with the county's envelope scanner
- 2) SCC will scan and capture the bar code information on the returned absentee ballot envelope, including voter registration number.
- 3) SCC will 'frank' the scanned envelopes, supplying a mark that will allow a specific envelope with a scan batch to be more easily found. A mark similar to "#5 of batch #20", will be applied to the envelope during scanning.

- 4) SCC will scan and capture the voter's signature on the returned absentee ballot envelope..
- 5) SCC will allow the county to compare the scanned voter's signature from an absentee envelope with all of the authenticated examples of the same voter's signature available within the County's folder/file structure that stores these graphical signatures.
- 6) SCC will allow the county to make a disposition of each absentee ballot envelope. These dispositions may include ballot accepted, signatures don't match, no signature and other dispositions.
- 7) If an absentee ballot envelope signature is accepted, then SCC will store the captured graphical signature in a folder/file structure separate from the County's present storage of signatures, for eventual import into the County's present storage of signatures.
- 8) SCC will automatically and in real time update the Sequoia Integrity VR application database during operation. This may require that the Sequoia Integrity application be open and running on the terminal running SCC. If it is found during development that the safe and accurate automatic updating of the Integrity VR application database cannot be done without Sequoia's support, it is the County's responsibility to obtain this support. If, in Hart's opinion, SCC cannot be, with the level of Sequoia support provided, developed in such a manner that allows SCC to safely and accurately automatically update the Sequoia Integrity VR application database, then Hart will develop SCC without this automatic update of the VR database, but will supply reports designed to ease the transfer of voter history data to the Integrity VR application.
- 9) Once SCC is delivered, installed and signed off by the County, any further changes to the Integrity VR system application or database structure that cause issues with SCC are outside the scope of this SOW. Any further changes to the County's storage of graphical signatures, if these changes cause issues with SCC, are outside the scope of this SOW. Any further changes to County's network infrastructure, if these changes cause issues with SCC, are outside the scope of this SOW.
- 10) Certain methods of VR operations may be required to support the automatic update of the VR application database from SCC (an example of this might be that the VR application be operated in a certain mode or manner, or that certain VR record data remain within certain bounds). These operations requirements will be clearly spelled out in the SCC documentation, and any further change to these operations after delivery and sign off of the SCC application will be outside the scope of this SOW.

SIGNATURE CAPTURE AND COMPARE DELIVERABLES

The following are deliverables to the county on the Signature Capture and Compare application.

- 1) Project Plan for delivery and acceptance of the Signature Capture and Compare custom engineering project
- 2) Hart Signature Capture and Compare (SCC) application
- 3) Hart Signature Capture and Compare user documentation and manual
- 4) Installation and configuration of Hart Signature Capture and Compare on the County's equipment and systems
- 5) Training on the use of Hart Signature Capture and Compare

SECTION 4. AUTOMATED BALLOT NOW BALLOT DELIVERY

OVERVIEW

Boulder County wishes to automate the process of posting an early or walk-in voter and retrieving the proper ballot for this voter. To this end, Boulder County wishes to have a process that would automatically print the correct ballot for a voter, on demand, when this voter is posted as having voted in-person or early.

Hart will supply an application that will run in conjunction with the County's present Internet application for posting early and in-person voters supplied by Sequoia Integrity. This application will, in conjunction with Ballot Now, automatically print the Ballot Now ballot specific to a voter when that voter is being posted as having received a ballot on the Integrity Internet application for this purpose.

AUTOMATED BALLOT NOW BALLOT DELIVERY REQUIREMENTS

The following are requirements of the Automated Ballot Now Ballot Delivery system.

- 1) Automated Ballot Now Delivery system will integrate with the Internet Application presently supported by Sequoia Integrity.
- 2) Automated Ballot Now Delivery system will integrate with the Hart Ballot Now product.
- 3) Automated Ballot Now Delivery system will automatically produce the ballot specific to the voter, per the voter's precinct, party and split information as available on the Sequoia Integrity Internet application.
- 4) Automated Ballot Now Delivery system will also supply a function to reprint a ballot as required (in the case of paper jam or other issue that prevented a valid ballot from being printed).
- 5) Automated Ballot Now Delivery system will be designed to install and run on the same computers used by the county for running the internet VR application for Early and in-person voting.
- 6) Once Automated Ballot Now Delivery system is delivered, installed and signed off by the County, any further changes to the Integrity VR system application, its internet application, or database structure that cause issues with Automated Ballot Now Delivery system are outside the scope of this SOW. Any further changes to County's network infrastructure, if these changes cause issues with Automated Ballot Now Delivery system, are outside the scope of this SOW. Any further changes to the Operating system or environment on the computers used to post early and in-person voters, if these changes cause issues with the Automated Ballot Now Delivery system are outside the scope of this SOW.

- 7) Certain methods of VR operations may be required to support the Automated Ballot Now Delivery system integration with the internet VR application (an example of this might be that the VR application be operated in a certain mode or manner, or that certain VR record data remain within certain bounds). These operations requirements will be clearly spelled out in the Automated Ballot Now Delivery system documentation, and any further change to these operations after delivery and sign off of the Automated Ballot Now Delivery system application will be outside the scope of this SOW.

AUTOMATED BALLOT NOW DELIVERY SYSTEM DELIVERABLES

The following are deliverables to the county on the Automated Ballot Now Delivery system application.

- 1) Project Plan for delivery and acceptance of the Automated Ballot Now Delivery System
- 2) Hart Automated Ballot Now Delivery system application
- 3) Hart Automated Ballot Now Delivery system user documentation and manual
- 4) Installation and configuration of Hart Automated Ballot Now Delivery system on the County's equipment and systems
- 5) Training on the use of Hart Automated Ballot Now Delivery system