## **COMMONWEALTH OF PENNSYLVANIA**

## **DEPARTMENT OF STATE**

## RESULTS OF THE ELECTION SYSTEMS AND SOFTWARE EXPRESS POLL 5000 ELECTRONIC POLL BOOK with EZROSTER VERSION 2.7.12.4 DEMONSTRATION



**Issued by:** 

Care ailer

Carol Aichele Secretary of the Commonwealth April 15, 2014

### RESULTS OF THE ELECTION SYSTEMS AND SOFTWARE EXPRESS POLL 5000 ELECTRONIC POLL BOOK with EZROSTER VERSION 2.7.12.4 DEMONSTRATION

Act 3 of 2002 (Pennsylvania's voter registration law) requires that "the computer list shall be in a form prescribed by the Secretary" for both paper and electronic poll books, 25 Pa.C.S. § 1402(b)(2). On January 23, 2014, the Department of State held a demonstration of Election Systems and Software (ES&S) ExpressPoll 5000 Electronic Poll Book with EZRoster version 2.7.12.4.

A set of Electronic Poll Book Requirements were tested as part of the demonstration, which can be found in Attachment A.

As a result of the demonstration conducted on January 23, 2014, and after consultation with the Department's staff, the Secretary of the Commonwealth concludes that the Express Poll 5000 Electronic Poll Book with EZRoster version 2.7.12.4 meets all requirements of Act 3 and Federal law (see Attachment A) and is hereby approved for use in the Commonwealth of Pennsylvania for all Federal, State and Municipal elections.

If ES&S makes any changes to the Express Poll 5000 Electronic Poll Book with EZRoster version 2.7.12.4 that affect its compliance with the requirements of Pennsylvania or Federal law, ES&S must notify the Department of State and schedule a demonstration to review the changes.

Counties wishing to implement the Express Poll 5000 Electronic Poll Book with EZRoster version 2.7.12.4 may do so county-wide or on an individual precinct-by-precinct basis.

# Attachment A

#### **Electronic Poll Book Requirements**

### Results of the Election Systems and Software Express Poll 5000 with EZROSTER Version 2.7.12.4 Demonstration

- ✓ The computer list shall be in a form prescribed and approved by the Secretary. (25 Pa. C.S. § 1402(b)(2)).
- ✓ For each election district, the list shall contain the names of the registered electors alphabetically by last name. (25 Pa.C.S. § 1402(b)(2)).
- Each page of the list (or each screen) shall contain the name of the county. (25 Pa.C.S. § 1402(b)(2)).
- Each page of the list (or each screen) shall contain the election district. (25 Pa.C.S. § 1402(b)(2)).
- Each page of the list (or each screen) shall contain the date of the election. (25 Pa.C.S. § 1402(b)(2)).
- Each page of the list (or each screen) shall contain the date and time the list was prepared. (25 Pa.C.S. § 1402(b)(2)).

### The list must contain:

- ☑ A legible signature. (25 Pa.C.S. § 1402(b)(2)).
- $\blacksquare$  The street address. (25 Pa.C.S. § 1402(b)(2)).
- Political party of each registered elector. (25 Pa.C.S. § 1402(b)(2); 4 Pa. Code § 183.11(b)(3)).
- ☑ Suitable space for insertion of the signature of the registered elector. (25 P.S. § 3050(a.3); 25 Pa.C.S. § 1402(b)(2)).
- ☑ Suitable space for insertion by the proper election official of the number and letter of the stub of the ballot issued to the registered elector or the registered elector's number in the order of admission to the voting systems. (25 P.S. § 3050(a.3); 25 Pa.C.S. § 1402(b)(2)).
- ☑ Suitable space for insertion of the initials of the election official who enters the record of voting in the district register. (25 P.S. § 3050(a.3); 25 Pa.C.S. § 1402(b)(2)).
- ☑ Indication of whether the elector needs assistance to vote and, if so, the nature of the disability. (25 Pa.C.S. § 1402(b)(2)).

- $\blacksquare$  The date of birth of the registrant. (4 Pa. Code § 183.11(b)(4)).
- $\blacksquare$  The SURE registration number of the registrant. (4 Pa. Code § 183.11(b)(5)).
- An elector's affirmation appears above each signature section and contains the verbiage "I hereby certify that I am qualified to vote in this election." (25 P.S. § 3043).
- An indication of whether the registrant's status is active or inactive. (25 Pa.C.S. § 1901(c); 4 Pa. Code § 183.11(b)(6)).

#### Flags Required by the SURE System

- ✓ For voters who are "Inactive," affirmation is required. (25 Pa.C.S. § 1901(c) and (d)(3); 4 Pa. Code § 183.11).
- ✓ "ID Required" Indication of whether the voter needs to present voter identification. An elector who appears to vote in an election district for the first time must present valid voter identification. (25 P.S. § 3050(a)).
- "Absentee Ballot" If an elector who voted an absentee ballot is in the municipality on Election Day, he or she must vote in the precinct, and the absentee ballot is voided. (25 P.S. § 3146.6(b)).
- "Must vote in person"- Indication of whether the voter needs to present voter identification if the elector votes for the first time by mail. (Federal: 42 U.S.C. § 15483(b)).

### **COMMONWEALTH OF PENNSYLVANIA**

## **DEPARTMENT OF STATE**

REPORT CONCERNING THE ELECTION SYSTEMS AND SOFTWARE EXPRESS POLL 5000 ELECTRONIC POLL BOOK with EZROSTER VERSION 2.7.12.4, BRIDGEPOINT 1.6.0.0 AND CARDWRITER VERSIONS 1.1.4, 1.1.5, AND 1.1.6 when used as a component of the ACCUVOTE TSX VERSION 4.6.4.106 with GEMS VERSION 1.18.25



**Issued by:** 

Care and

Carol Aichele Secretary of the Commonwealth April 15, 2014

## REPORT CONCERNING THE ELECTION SYSTEMS AND SOFTWARE EXPRESS POLL 5000 ELECTRONIC POLL BOOK with EZROSTER VERSION 2.7.12.4, BRIDGEPOINT 1.6.0.0 AND CARDWRITER VERSIONS 1.1.4, 1.1.5, AND 1.1.6

Act 3 of 2002 (Pennsylvania's voter registration law) requires that "the computer list shall be in a form prescribed by the Secretary" for both paper and electronic poll books, 25 Pa.C.S. § 1402(b)(2). On January 23, 2014, the Department of State held a demonstration of Election Systems & Software ("ES&S") ExpressPoll 5000 Electronic Poll Book with EZRoster version 2.7.12.4 and BridgePoint 1.6.0.0.

A set of Electronic Poll Book Requirements were tested as part of the demonstration, which can be found in Attachment A and a set of BridgePoint Requirements were tested as part of the demonstration, which can be found in Attachment B. The Pennsylvania Department of State's Bureau of Commissions, Elections and Legislation retained Jack Cobb, Laboratory Director of Pro V&V, Inc., as a professional consultant to develop test protocols and test CardWriter versions 1.1.4, 1.1.5, and 1.1.6. CardWriter 1.1.4, CardWriter 1.1.5 and CardWriter 1.1.6 interact with the ExpressPoll 5000 with EZRoster version 2.7.12.4 and BridgePoint 1.6.0.0 Electronic Poll Book and are a component of the AccuVote TSX Voting System version 4.6.4.106 with Guardian Election Management Software ("GEMS") version 1.18.25 (collectively referred to as the "AccuVote TSX Voting System"). The CardWriter Functional Verification test cases (Attachment C) were designed to determine whether the component can properly program voter access card media in a general election and a closed primary election.

The Bureau of Commissions, Election and Legislation conducted the test cases and it was demonstrated that the card writing function of CardWriter 1.1.4, CardWriter 1.1.5, and CardWriter 1.1.6, when used in conjunction with the ExpressPoll 5000 with EZRoster version 2.7.12.4 and BridgePoint 1.6.0.0, properly writes voter access cards for a general election and a closed primary election for one-time use on the AccuVote TSX Voting System.

As a result of the demonstration conducted on January 23, 2014, and after consultation with the Department's staff, the Secretary of the Commonwealth concludes that: (1) the ExpressPoll 5000 with EZRoster version 2.7.12.4 and BridgePoint 1.6.0.0 meets all requirements of Act 3 and Federal law (see Attachment A), and (2) the card writing function of CardWriter 1.1.4, CardWriter 1.1.5, and CardWriter 1.1.6 can be safely used by voters at elections in conjunction with the ExpressPoll 5000 Electronic Poll Book with EZRoster version 2.7.12.4, BridgePoint 1.6.0.0 and as a component of the AccuVote TSX Voting System and is hereby approved for use in the Commonwealth of Pennsylvania for all federal, state and municipal elections.

If ES&S makes any changes to the ExpressPoll 5000 with EZRoster version 2.7.12.4 and BridgePoint 1.6.0.0 that affects its compliance with the requirements of Pennsylvania or Federal law, ES&S must notify the Department of State and schedule a demonstration to review the changes.

As similarly stated in the September 11, 2012, results of the electronic voting system reexamination, if ES&S makes any changes to the CardWriter 1.1.4, CardWriter 1.1.5, or CardWriter 1.1.6 functionality discussed in this report, ES&S must notify the Department of State immediately. Failure to do so may result in the decertification of the ExpressPoll 5000 Electronic Poll Book; CardWriter versions 1.1.4, 1.1.5, 1.1.6; or the AccuVote TSX Voting System in the Commonwealth of Pennsylvania.

Additionally, as stated in the September 11, 2012, results of the electronic voting system reexamination, if ES&S makes any changes to the AccuVote TSX Voting System, ES&S must immediately notify the Department of State and the relevant federal testing authority or laboratory. Failure to do so may result in decertification of the AccuVote TSX Voting System in the Commonwealth of Pennsylvania.

Counties wishing to implement the Express Poll 5000 Electronic Poll Book with EZRoster version 2.7.12.4, BridgePoint 1.6.0.0 and CardWriter 1.1.4, CardWriter 1.1.5 or CardWriter 1.1.6 may do so county-wide or on an individual precinct-by-precinct basis.

# Attachment A

### **Electronic Poll Book Requirements**

### Results of the Election Systems and Software Express Poll 5000 with EZROSTER V. 2.7.12.4 Demonstration

- ☑ The computer list shall be in a form prescribed and approved by the Secretary. (25 Pa.C.S. § 1402(b)(2)).
- ✓ For each election district, the list shall contain the names of the registered electors alphabetically by last name. (25 Pa.C.S. § 1402(b)(2)).
- Each page of the list (or each screen) shall contain the name of the county. (25 Pa.C.S. § 1402(b)(2)).
- ☑ Each page of the list (or each screen) shall contain the election district. (25 Pa.C.S. § 1402(b)(2)).
- Each page of the list (or each screen) shall contain the date of the election. (25 Pa.C.S. § 1402(b)(2)).
- ☑ Each page of the list (or each screen) shall contain the date and time the list was prepared. (25 Pa.C.S. § 1402(b)(2)).

### The list must contain:

- $\blacksquare$  A legible signature. (25 Pa.C.S. § 1402(b)(2)).
- $\blacksquare$  The street address. (25 Pa.C.S. § 1402(b)(2)).
- Political party of each registered elector. (25 Pa.C.S. § 1402(b)(2); 4 Pa. Code § 183.11(b)(3)).
- ☑ Suitable space for insertion of the signature of the registered elector. (25 P.S. § 3050(a.3); 25 Pa.C.S. § 1402(b)(2)).
- ☑ Suitable space for insertion by the proper election official of the number and letter of the stub of the ballot issued to the registered elector or the registered elector's number in the order of admission to the voting systems. (25 P.S. § 3050(a.3); 25 Pa.C.S. § 1402(b)(2)).
- ☑ Suitable space for insertion of the initials of the election official who enters the record of voting in the district register. (25 P.S. § 3050(a.3); 25 Pa.C.S. § 1402(b)(2)).
- ☑ Indication of whether the elector needs assistance to vote and, if so, the nature of the disability. (25 Pa.C.S. § 1402(b)(2)).

- $\blacksquare$  The date of birth of the registrant. (4 Pa. Code § 183.11(b)(4)).
- $\blacksquare$  The SURE registration number of the registrant. (4 Pa. Code § 183.11(b)(5)).
- An elector's affirmation appears above each signature section and contains the verbiage "I hereby certify that I am qualified to vote in this election." (25 P.S. § 3043).
- An indication of whether the registrant's status is active or inactive. (25 Pa.C.S. § 1901(c); 4 Pa. Code § 183.11(b)(6)).

### Flags Required by the SURE System

- For voters who are "Inactive," affirmation is required. (25 Pa.C.S. § 1901(c) and (d)(3); 4 Pa. Code § 183.11).
- "ID Required" Indication of whether the voter needs to present voter identification. An elector who appears to vote in an election district for the first time must present valid voter identification. (25 P.S. § 3050(a)).
- "Absentee Ballot" If an elector who voted an absentee ballot is in the municipality on Election Day, he or she must vote in the precinct, and the absentee ballot is voided. (25 P.S. § 3146.6(b)).
- ☑ "Must vote in person"- Indication of whether the voter needs to present voter identification if the elector votes for the first time by mail. (Federal: 42 U.S.C. § 15483(b)).

## Attachment B

Test Case Identifier: BridgePoint v	1600 Analysis
Functional	BridgePoint software imports the GEMS database, loads
Requirements:	the election files for the ExpressPoll 5000, and imports audit logs from the ExpressPoll 5000.
Test Objective:	
•	ing points of the BridgePoint software and the ExpressPoll
	ns as excepted and does not adversely affect operation of the
ExpressPoll 5000.	
Test Configuration:	
The BridgePoint software will be loa	aded on a laptop/PC.
Test Method:	<u>^</u>
The method for testing these require	ements is defined below:
The test steps that will be followed t	to evaluate the BridgePoint software generally will be:
• Verify the version of the soft	tware
• Import election files from the	e GEMS server
• Program the election compac	ct flash for the ExpressPoll 5000
• Verify the ExpressPoll 5000	is able to function as designed
• Verify audit log retrieval	
• Evaluate other features and f	functions within the application
<b>Criteria for Evaluation of the Test</b> The BridgePoint software is able to	t <b>Results:</b> import the election files, program the election onto a
compact flash that can be read by the	1 0
<b>Comments:</b> All functionality tested	
0	tains additional functionality to network ExpressPoll units
for real time updates. This function	ality was not tested.
Tester Approval:On Fi	ile Date: <u>On File</u>
Test Witness:On F	<u>"ile</u>

Attachment C

			ZROSTER V. 2.7.12.4 AND CARDWRITER 1.1.4	
	r: Cardwriter Functional Ve			
Functional Requ	uirements:	The Express Poll 5000 card writing functionality must be able to program voter		
			s card media with the proper keys to allow for ballot styles based on	
			raphical subdivisions to properly be retrieved and presented to a voter in a	
			ral Election	
0	o determine if the card v		Test Configuration: Precinct tabulation device configured as described	
	Express Poll 5000 can prop		for normal election day operation by Pennsylvania procedures and/or the	
write smart cards to	r voter access for one time u	se.	device manufacturer. A TSx unit will be loaded with all precincts from the "Pennsylvania Certification General Election."	
Tost Fauinmonte		Ever	ess Poll 5000, 10 voter access cards, TSx units	
Test Equipment: Special Procedural	Dequinementa	None		
Assumptions:	Requirements:	None		
		None	Description	
Step 1000			Description	
1000	From the Express Poll unit en	code tw	vo voter access cards for each precinct in the General Election.	
	I		I	
	<i>Expected:</i> The voter access ca	rds can	be programmed.	
	Actual: The voter access cards	- woro i	regrammed	
	Actual. The voter access cards	s were j	programmed.	
1010				
1010	Insert the first Precinct 1 voter	r access	s card into the TSx.	
	Expected: The TSx accepts the voter access card and displays the ballot style of Precinct 1.			
	Actual: The TSx accepted the voter access card and displayed the ballot style of Precinct 1.			
	The row decepted the	voter u	ecciss card and displayed the barlot style of Freeholt 1.	
1020	Use the designated method to	duan	as the through the hellet. Observe the contacts and condidates for Dresingt 1 hellet	
	Use the designated method to advance the through the ballot. Observe the contests and candidates for Precinct 1 ballot style are displayed			
	Expected: All contests and candidates are accurately displayed.			
	Actual: All contests and candi	dates w	vere accurately displayed	
1030				
	Use the designated method to	naviga	te to the first contest and select the first candidate.	
	Expected: The TSx navigates	to the f	irst contest and the selection for the first candidate is input.	
		.1 . 6		
	Actual: The TSx navigated to	the firs	t contest and the selection for the first candidate was input.	
1040				
			ce the "Ballot Review." Observe the "Ballot Review" to see if the above selections	
	are indicated. Use the designation	ated me	thod to cast the voted selections.	
	Expected: The precinct tabu	lation	device advances to the "Ballot Review" screen and after review, the ballot is cast	
	successfully.			
	Actual. The precipat tabulation	n devie	e advanced to the "Ballot Review" screen and the ballot was successfully cast.	
	Acialia. The precinct labulatio		e advanced to the Danot Review Screen and the Danot was successionly Cast.	

1050	Remove the ejected voter access card or use the designated method to remove the used voter access card. Reinsert the used voter access card.
	<i>Expected</i> : The TSx should give an indication that the voter access card has been used.
	Actual: The TSx gave an indication that the voter access card had been used.
1060	Insert the second Precinct 1 voter access card into the TSx.
	<i>Expected:</i> The TSx accepts the voter access card and displays the ballot style of Precinct 1.
	Actual: The TSx accepted the voter access card and displayed the ballot style of Precinct 1.
1070	Select the first candidate in every "1 of 1" race, the first N in every "N of M" race, and "Yes" for every Referendum race.
	<i>Expected:</i> Every candidate can be input as described.
	Actual: Every candidate was input as described.
1080	
1000	Use the designated method to advance the "Ballot Review." Observe the "Ballot Review" to see if the above selections are indicated. Use the designated method to cast the voted selections.
	<i>Expected:</i> The precinct tabulation device advances to the "Ballot Review" screen and after review, the ballot is cast successfully.
	Actual: The precinct tabulation device advanced to the "Ballot Review" screen and the ballot was cast successfully.
1090	Repeat steps 1010- 1080 excluding step 1050 for each precinct.
	Expected:       Repeat 1010x         Repeat 1020x          Repeat 1030x          Repeat 1060x          Repeat 1070x          Repeat 1080
	Actual: All steps were run successfully.
1080	Close the polls and print the closed polls report tape.
	<i>Expected:</i> The polls closed and a report is printed.
	Actual: The polls were closed and a report was printed.

1090	Review the closed polls report to ensure all selections input above are recorded and reported correctly.
	<i>Expected:</i> The closed polls report presents the accumulated totals for the selections input above.
	<i>Actual:</i> The closed polls report presented the accumulated totals for the selections input above.
Criteria for Evalu	ation of the Test Results: The intended selections input above are recorded, stored, and reported as input by
the tester. The vote	r access cards are accepted and display the proper ballot style and cannot be reused.

EXP	RESSPOLL 5000 WIT	TH EZ	<b>ZROSTER V. 2.7.12.4 AND CARDWRITER 1.1.4</b>		
Test Case Identifie	r: Cardwriter Functional Ve	erificati	on (Closed Primary Election)		
Functional Requ	uirements:		The Express Poll 5000 card writing functionality must be able to program voter		
			s card media with the proper keys to allow for ballot styles based on		
			raphical subdivisions and party affiliation to properly be retrieved and		
			nted to a voter in a Closed Primary Election		
0	o determine if the card v		Test Configuration: Precinct tabulation device configured as described		
	Express Poll 5000 can pro		for normal election day operation by Pennsylvania procedures and/or the		
write smart cards to	r voter access for one time u	ise.	device manufacturer. A TSx unit will be loaded with all precincts and		
T		E	parties from the "Pennsylvania Certification Closed Primary Election."		
Test Equipment:	D		ess Poll 5000, 10 voter access cards, TSx units		
Special Procedural	Requirements:	None None			
Assumptions:		None			
Step 1000			Description		
1000	From the Express Poll unit encode one voter access cards for each party and each precinct in the Closed Primary Election.				
	<i>Expected:</i> The voter access ca	ards can	be programmed.		
	Actual: The voter access card	s were j	programmed.		
1010	In sout the Dense south souther a		nd fan Darain at 1 inte da TCa		
	Insert the Democratic voter ad	ccess ca	rd for Precinct 1 into the TSx.		
	<i>Expected:</i> The TSx accepts the voter access card and displays the ballot style for Democratic party for Precinct 1.				
	Actual: The TSx accepted the voter access card and displayed the ballot style for Democratic party for Precinct 1.				
1020					
	Use the designated method to for Precinct 1 ballot style are		ce the through the ballot. Observe the contests and candidates for Democratic party ed		
	Expected: All contests and candidates are accurately displayed.				
	Actual: All contests and candidates were accurately displayed.				
1030					
	Use the designated method to	naviga	te to the first contest and select the first candidate.		
	Expected: The TSx navigates	to the f	irst contest and the selection for the first candidate is input.		
	Actual: The TSx pavigated to	the firs	t contest and the selection for the first candidate was input.		
	nemui. The Tox nuvigated to		e contest and the selection for the first candidate was input.		
1040					
			ce the "Ballot Review." Observe the "Ballot Review" to see if the above selections thod to cast the voted selections.		
	Expected: The precipit table	ilation 4	device advances to the "Ballot Review" screen and after review, the ballot is cast		
	successfully.				
	Actual: The precinct tabulation	on devic	e advanced to the "Ballot Review" screen and the ballot was cast successfully.		

Remove the ejected voter access card or use the designated method to remove the used voter access card. Reinsert the used voter access card.
Expected: The TSx should give an indication that the voter access card has been used.
Actual: The TSx gave an indication that the voter access card had been used.
Insert the Republican voter access card for Precinct 1 voter access card into the TSx.
Expected: The TSx accepts the voter access card and displays the ballot style of Precinct 1.
Actual: The TSx accepted the voter access card and displayed the ballot style of Precinct 1.
Select the first candidate in every "1 of 1" race, the first N in every "N of M" race, and "Yes" for every Referendum race.
<i>Expected:</i> Every candidate can be input as described.
Actual: Every candidate was input as described.
Use the designated method to advance the "Ballot Review." Observe the "Ballot Review" to see if the above selections are indicated. Use the designated method to cast the voted selections.
<i>Expected:</i> The precinct tabulation device advances to the "Ballot Review" screen and after review, the ballot is cast successfully.
Actual: The precinct tabulation device advanced to the "Ballot Review" screen and the ballot was cast successfully.
Repeat steps 1010- 1080 excluding step 1050 for each precinct.
Expected:       Repeat 1010x         Repeat 1020x       Repeat 1030x         Repeat 1040x       Repeat 1060x         Repeat 1070x       Repeat 1080x
Actual: All steps were run successfully.
Close the polls and print the closed polls report tape.
<i>Expected:</i> The polls closed and a report is printed.
Actual: The polls were closed and a report is printed.

1090	Review the closed polls report to ensure all selections input above are recorded and reported correctly.
	<i>Expected:</i> The closed polls report presents the accumulated totals for the selections input above. <i>Actual:</i> The closed polls report presented the accumulated totals for the selections input above.
	Actual. The closed poils report presented the accumulated totals for the selections input above.
Criteria for Evalua	ation of the Test Results: The intended selections input above are recorded, stored, and reported as input by
the tester. The vote	r access cards are accepted and display the proper ballot style and cannot be reused.

			<b>LROSTER V. 2.7.12.4 AND CARDWRITER 1.1.5</b>	
Test Case Identifie	r: Cardwriter Functional Ven			
Functional Requ	uirements:	The Express Poll 5000 card writing functionality must be able to program voter		
		access card media with the proper keys to allow for ballot styles based on		
		geographical subdivisions to properly be retrieved and presented to a voter in a General Election		
Test Objective: T	o determine if the card w		<b>Test Configuration:</b> Precinct tabulation device configured as described	
0	Express Poll 5000 can prop		for normal election day operation by Pennsylvania procedures and/or the	
	r voter access for one time us		device manufacturer. A TSx unit will be loaded with all precincts from the	
			"Pennsylvania Certification General Election."	
Test Equipment:		Expre	ess Poll 5000, 10 voter access cards, TSx units	
Special Procedural	Requirements:	None		
Assumptions:		None		
Step			Description	
1000	Energy the Energy Dellarsite and	1	e entre ande fan ee harre in die die Gemeenl Election	
	From the Express Poll unit end	code tw	to voter access cards for each precinct in the General Election.	
	Expected: The voter access car	rds can	be programmed.	
			,	
	Actual: The voter access cards	s were j	brogrammea.	
1010				
	Insert the first Precinct 1 voter	access	card into the TSx.	
	<i>Expected:</i> The TSx accepts the voter access card and displays the ballot style of Precinct 1.			
	Actual: The TSx accepted the voter access card and displayed the ballot style of Precinct 1.			
	-			
1020				
1020	Use the designated method to	advan	ce the through the ballot. Observe the contests and candidates for Precinct 1 ballot	
	style are displayed			
	<i>Expected:</i> All contests and candidates are accurately displayed.			
	Experieu. The contests and candidates are accurately displayed.			
	4			
	Actual: All contests and candid	dates w	ere accurately displayed.	
1030				
	Use the designated method to	navigat	te to the first contest and select the first candidate.	
	Expected: The TSx navigates	to the f	irst contest and the selection for the first candidate is input.	
		41	the sentence and the selection for the first and idet are signed.	
	Actual: The TSX havigated to	the firs	t contest and the selection for the first candidate was input.	
1040	<b>TT</b> . <b>1 1 1</b> . <b>1</b> . <b>1</b> . <b>1</b> .	1		
			ce the "Ballot Review." Observe the "Ballot Review" to see if the above selections thod to cast the voted selections.	
	are mulcaled. Use the designa	acu me		
		lation of	device advances to the "Ballot Review" screen and after review, the ballot is cast	
	successfully.			
	Actual: The precinct tabulation	n devic	e advanced to the "Ballot Review" screen and the ballot was cast successfully.	

Remove the ejected voter access card or use the designated method to remove the used voter access card. Reinsert the used voter access card.
Expected: The TSx should give an indication that the voter access card has been used.
Actual: The TSx gave an indication that the voter access card had been used.
Insert the second Precinct 1 voter access card into the TSx.
Expected: The TSx accepts the voter access card and displays the ballot style of Precinct 1.
Actual: The TSx accepted the voter access card and displayed the ballot style of Precinct 1.
Select the first candidate in every "1 of 1" race, the first N in every "N of M" race, and "Yes" for every Referendum race.
<i>Expected:</i> Every candidate can be input as described.
Actual: Every candidate was input as described.
Use the designated method to advance the "Ballot Review." Observe the "Ballot Review" to see if the above selections are indicated. Use the designated method to cast the voted selections.
<i>Expected:</i> The precinct tabulation device advances to the "Ballot Review" screen and after review, the ballot is cast successfully.
Actual: The precinct tabulation device advanced to the "Ballot Review" screen and the ballot was cast successfully.
Repeat steps 1010- 1080 excluding step 1050 for each precinct.
Expected:       Repeat 1010x         Repeat 1020x       Repeat 1030x         Repeat 1040x       Repeat 1060x         Repeat 1070x       Repeat 1080x
Actual: The steps were run successfully.
Close the polls and print the closed polls report tape.
<i>Expected:</i> The polls closed and a report is printed.
Actual: The polls were closed and a report was printed.

1090	Review the closed polls report to ensure all selections input above are recorded and reported correctly.
	<i>Expected:</i> The closed polls report presents the accumulated totals for the selections input above. <i>Actual:</i> The closed polls report presented the accumulated totals for the selections input above.
	ation of the Test Results: The intended selections input above are recorded, stored, and reported as input by r access cards are accepted and display the proper ballot style and cannot be reused.

EXP	RESSPOLL 5000 WIT	TH EZ	<b>ZROSTER V. 2.7.12.4 AND CARDWRITER 1.1.5</b>		
Test Case Identifie	r: Cardwriter Functional Ve	erificati	ion (Closed Primary Election)		
Functional Requ	uirements:		The Express Poll 5000 card writing functionality must be able to program voter		
			s card media with the proper keys to allow for ballot styles based on		
			raphical subdivisions and party affiliation to properly be retrieved and		
			nted to a voter in a Closed Primary Election		
0	o determine if the card v		Test Configuration: Precinct tabulation device configured as described		
	Express Poll 5000 can pro		for normal election day operation by Pennsylvania procedures and/or the		
write smart cards to	r voter access for one time u	ise.	device manufacturer. A TSx unit will be loaded with all precincts and		
Test Fourier and		Euge	parties from the "Pennsylvania Certification Closed Primary Election."		
Test Equipment:	De antinome antas	None	ess Poll 5000, 10 voter access cards, TSx units		
Special Procedural Assumptions:	Requirements:	None			
Step		None	Description		
1000			Description		
1000	From the Express Poll unit en	code or	ne voter access cards for each party and each precinct in the Closed Primary Election.		
	<i>Expected:</i> The voter access ca	ards can	be programmed.		
	Actual: The voter access card	s were	programmed.		
1010					
	Insert the Democratic voter ad	ccess ca	rd for Precinct 1 into the TSx.		
	<i>Expected:</i> The TSx accepts the voter access card and displays the ballot style for Democratic party for Precinct 1.				
	Actual: The TSx accepted the voter access card and displayed the ballot style for Democratic party for Precinct 1.				
	The fox accepted the voter access card and displayed the barlot style for Democratic party for Fitchhet I.				
1020	Use the designated method to	advan	as the through the hellot. Observe the contests and condidetes for Democratic party		
	Use the designated method to advance the through the ballot. Observe the contests and candidates for Democratic party for Precinct 1 ballot style are displayed				
	<i>Expected:</i> All contests and candidates are accurately displayed.				
	Experient. The contests and candidates are accurately displayed.				
	Actual: All contests and candidates were accurately displayed.				
	Actual. All contests and cand	iuales v	the accuratery displayed.		
1030					
	Use the designated method to	navıga	te to the first contest and select the first candidate.		
	Expected: The TSx navigates	to the f	irst contest and the selection for the first candidate is input.		
	Actual: The TSx navigated to	the firs	t contest and the selection for the first candidate was input.		
	C				
1040					
2010			ce the "Ballot Review." Observe the "Ballot Review" to see if the above selections thod to cast the voted selections.		
	Fracted. The precinct tab	ilation	device advances to the "Ballot Review" screen and after review, the ballot is cast		
	successfully.	141011	active advances to the Danot Review Scient and after review, the Danot is east		
	Actual: The precinct tabulation	on devic	e advanced to the "Ballot Review" screen and the ballot was cast successfully.		

1050	Remove the ejected voter access card or use the designated method to remove the used voter access card. Reinsert the used voter access card.
	<i>Expected:</i> The TSx should give an indication that the voter access card has been used.
	Actual: The TSx gave an indication that the voter access card had been used.
1060	Insert the Republican voter access card for Precinct 1 voter access card into the TSx.
	Expected: The TSx accepts the voter access card and displays the ballot style of Precinct 1.
	Actual: The TSx accepted the voter access card and displayed the ballot style of Precinct 1.
1070	Select the first candidate in every "1 of 1" race, the first N in every "N of M" race, and "Yes" for every Referendum race.
	<i>Expected:</i> Every candidate can be input as described.
	Actual: Every candidate was input as described.
1080	Use the designated method to advance the "Ballot Review." Observe the "Ballot Review" to see if the above selections are indicated. Use the designated method to cast the voted selections.
	<i>Expected:</i> The precinct tabulation device advances to the "Ballot Review" screen and after review, the ballot is cast successfully.
	Actual: The precinct tabulation device advanced to the "Ballot Review" screen and the ballot was cast successfully.
1090	Repeat steps 1010- 1080 excluding step 1050 for each precinct.
	Expected:       Repeat 1010x_         Repeat 1020x_       Repeat 1030x_         Repeat 1040x_       Repeat 1060x_         Repeat 1070x_       Repeat 1070x_         Repeat 1080x_       Repeat 1080x_
	Actual: The steps were run successfully.
1080	Close the polls and print the closed polls report tape.
	<i>Expected:</i> The polls closed and a report is printed.
	Actual: The polls were closed and a report was printed.

1090	Review the closed polls report to ensure all selections input above are recorded and reported correctly.	
	<i>Expected:</i> The closed polls report presents the accumulated totals for the selections input above. <i>Actual:</i> The closed polls report presented the accumulated totals for the selections input above.	
	The selections input above.	
Criteria for Evaluation of the Test Results: The intended selections input above are recorded, stored, and reported as input by		
the tester. The voter access cards are accepted and display the proper ballot style and cannot be reused.		

			<b>CROSTER V. 2.7.12.4 AND CARDWRITER 1.1.6</b>
Test Case Identifie	r: Cardwriter Functional Ver		
Functional Requ	uirements:		Express Poll 5000 card writing functionality must be able to program voter
			s card media with the proper keys to allow for ballot styles based on
			aphical subdivisions to properly be retrieved and presented to a voter in a ral Election
Test Objective: T	o determine if the card w		<b>Test Configuration:</b> Precinct tabulation device configured as described
0	Express Poll 5000 can prop		for normal election day operation by Pennsylvania procedures and/or the
	r voter access for one time us		device manufacturer. A TSx unit will be loaded with all precincts from the
			"Pennsylvania Certification General Election."
Test Equipment:		Expre	ss Poll 5000, 10 voter access cards, TSx units
Special Procedural	Requirements:	None	
Assumptions:		None	
Step			Description
1000	Energy the Energy Dellars't energy		
	From the Express Poll unit end	code two	o voter access cards for each precinct in the General Election.
	Expected: The voter access can	rds can	be programmed.
	Actual: The voter access card	was pro	grammed.
1010			
	Insert the first Precinct 1 voter	access	card into the TSx.
	<i>Expected:</i> The TSx accepts th	e voter	access card and displays the ballot style of Precinct 1.
	Actual: The TSx accepts the ve	oter acc	cess card and displayed the ballot style of Precinct 1.
1020			
1020	Use the designated method to	advanc	the through the ballot. Observe the contests and candidates for Precinct 1 ballot
	style are displayed		-
	<i>Expected:</i> All contests and car	ndidate	s are accurately displayed
	Expected. The contests and ca	indidute	s de decardery displayed.
	4 . 7 . 11		
	Actual: All contests and candid	dates w	ere accurately displayed.
1030			
	Use the designated method to	navigat	e to the first contest and select the first candidate.
	Expected: The TSx navigates t	the fi	rst contest and the selection for the first candidate is input.
		1 6	
	Actual: The TSx navigated to f	the first	t contest and the selection for the first candidate was input.
1040			
			the the "Ballot Review." Observe the "Ballot Review" to see if the above selections
	are indicated. Use the designa	tea met	thod to cast the voted selections.
		lation d	levice advances to the "Ballot Review" screen and after review, the ballot is cast
	successfully.		
	Actual: The precinct tabulation	n device	e advanced to the "Ballot Review" screen and the ballot was cast successfully.

1050	Remove the ejected voter access card or use the designated method to remove the used voter access card. Reinsert the used voter access card.
	<i>Expected:</i> The TSx should give an indication that the voter access card has been used.
	Actual: The TSx gave an indication that the voter access card had been used.
1060	Insert the second Precinct 1 voter access card into the TSx.
	Expected: The TSx accepts the voter access card and displays the ballot style of Precinct 1.
	Actual: The TSx accepted the voter access card and displayed the ballot style of Precinct 1.
1070	Select the first candidate in every "1 of 1" race, the first N in every "N of M" race, and "Yes" for every Referendum race.
	<i>Expected:</i> Every candidate can be input as described.
	Actual: Every candidate was input as described.
1080	Use the designated method to advance the "Ballot Review." Observe the "Ballot Review" to see if the above selections are indicated. Use the designated method to cast the voted selections.
	<i>Expected:</i> The precinct tabulation device advances to the "Ballot Review" screen and after review, the ballot is cast successfully.
	Actual: The precinct tabulation device advanced to the "Ballot Review" screen and the ballot was cast successfully.
1090	Repeat steps 1010- 1080 excluding step 1050 for each precinct.
	Expected:       Repeat 1010x         Repeat 1020x       Repeat 1030x         Repeat 1040x       Repeat 1060x         Repeat 1070x       Repeat 1080x
	Actual: The steps were run successfully.
1080	Close the polls and print the closed polls report tape.
	Expected: The polls closed and a report is printed. Actual: The polls were closed and a report was printed.

1090	Review the closed polls report to ensure all selections input above are recorded and reported correctly.	
	<i>Expected:</i> The closed polls report presents the accumulated totals for the selections input above.	
	Actual: The closed polls report represented the accumulated totals for the selections input above.	
<b>Criteria for Evaluation of the Test Results:</b> The intended selections input above are recorded, stored, and reported as input by the tester. The voter access cards are accepted and display the proper ballot style and cannot be reused.		

EXP	RESSPOLL 5000 WIT	TH EZ	<b>ZROSTER V. 2.7.12.4 AND CARDWRITER 1.1.6</b>
Test Case Identifie	r: Cardwriter Functional Ve	erificati	on (Closed Primary Election)
Functional Requ	uirements:		Express Poll 5000 card writing functionality must be able to program voter
			s card media with the proper keys to allow for ballot styles based on
			aphical subdivisions and party affiliation to properly be retrieved and
			nted to a voter in a Closed Primary Election
v	o determine if the card v		Test Configuration: Precinct tabulation device configured as described
	Express Poll 5000 can pro		for normal election day operation by Pennsylvania procedures and/or the
write smart cards fo	r voter access for one time u	ise.	device manufacturer. A TSx unit will be loaded with all precincts and
		_	parties from the "Pennsylvania Certification Closed Primary Election."
Test Equipment:			ess Poll 5000, 10 voter access cards, TSx units
Special Procedural	Requirements:	None	
Assumptions:		None	
Step			Description
1000	From the Express Poll unit en	code or	ne voter access cards for each party and each precinct in the Closed Primary Election.
	Expected: The voter access ca	ards can	be programmed.
	Actual: The voter access card	s were j	programmed.
1010			
1010	Insert the Democratic voter ad	ccess ca	rd for Precinct 1 into the TSx.
	Expected. The TSy eccents th	ha votar	access card and displays the ballot style for Democratic party for Precinct 1.
	<i>Expected</i> . The TSX accepts in	lie votei	access card and displays the banot style for Democratic party for Freemet 1.
	Actual: The TSx accepted the	voter a	ccess card and displayed the ballot style for Democratic party for Precinct 1.
1020			ce the through the ballot. Observe the contests and candidates for Democratic party
	for Precinct 1 ballot style are	displaye	ea
	<i>Expected:</i> All contests and ca	andidate	es are accurately displayed.
	Actual: All contests and cand	idates w	vere accurately displayed.
1030			
	Use the designated method to	navigat	te to the first contest and select the first candidate.
	Expected: The TSx navigates	to the f	irst contest and the selection for the first candidate is input.
	Actual: The TSx navigated to	the firs	t contest and the selection for the first candidate was input.
1040			
			ce the "Ballot Review." Observe the "Ballot Review" to see if the above selections thod to cast the voted selections.
	<i>Expected:</i> The precinct tabu successfully.	ilation of	device advances to the "Ballot Review" screen and after review, the ballot is cast
	· · · · · · · · · · · · · · · · · · ·		
	Actual: The precinct tabulation	n devic	e advanced to the "Ballot Review" screen and the ballot was cast successfully.

Remove the ejected voter access card or use the designated method to remove the used voter access card. Reinsert the used voter access card.
Expected: The TSx should give an indication that the voter access card has been used.
Actual: The TSx gave an indication that the voter access card had been used.
Insert the Republican voter access card for Precinct 1 voter access card into the TSx.
Expected: The TSx accepts the voter access card and displays the ballot style of Precinct 1.
Actual: The TSx accepted the voter access card and displayed the ballot style of Precinct 1.
Select the first candidate in every "1 of 1" race, the first N in every "N of M" race, and "Yes" for every Referendum race.
<i>Expected:</i> Every candidate can be input as described.
Actual: Every candidate was input as described.
Use the designated method to advance the "Ballot Review." Observe the "Ballot Review" to see if the above selections are indicated. Use the designated method to cast the voted selections.
<i>Expected:</i> The precinct tabulation device advances to the "Ballot Review" screen and after review, the ballot is cast successfully.
Actual: The precinct tabulation device advanced to the "Ballot Review" screen and the ballot was cast successfully.
Repeat steps 1010- 1080 excluding step 1050 for each precinct.
Expected:       Repeat 1010x         Repeat 1020x       Repeat 1030x         Repeat 1040x       Repeat 1060x         Repeat 1070x       Repeat 1080x
Actual: The steps were run successfully.
Close the polls and print the closed polls report tape.
<i>Expected:</i> The polls closed and a report is printed.
Actual: The polls were closed and a report was printed.

1090	Review the closed polls report to ensure all selections input above are recorded and reported correctly.	
	<i>Expected:</i> The closed polls report presents the accumulated totals for the selections input above. <i>Actual:</i> The closed poll report presented the accumulated totals for the selections input above.	
<b>Criteria for Evaluation of the Test Results:</b> The intended selections input above are recorded, stored, and reported as input by the tester. The voter access cards are accepted and display the proper ballot style and cannot be reused.		

### **COMMONWEALTH OF PENNSYLVANIA**

## **DEPARTMENT OF STATE**

REPORT CONCERNING THE ELECTION SYSTEMS AND SOFTWARE EXPRESS POLL 5000 ELECTRONIC POLL BOOK with EZROSTER VERSION 2.7.12.4, BRIDGEPOINT 1.6.0.0 AND CARDWRITER VERSIONS 1.1.4, 1.1.5, AND 1.1.6 when used as a component of the ACCUVOTE TSX VERSION 4.7.8 with GEMS VERSION 1.21.5

Issued by:



Cance aille

Carol Aichele Secretary of the Commonwealth April 15, 2014

## REPORT CONCERNING THE ELECTION SYSTEMS AND SOFTWARE EXPRESS POLL 5000 ELECTRONIC POLL BOOK with EZROSTER VERSION 2.7.12.4, BRIDGEPOINT 1.6.0.0 AND CARDWRITER VERSIONS 1.1.4, 1.1.5, AND 1.1.6

Act 3 of 2002 (Pennsylvania's voter registration law) requires that "the computer list shall be in a form prescribed by the Secretary" for both paper and electronic poll books, 25 Pa.C.S. § 1402(b)(2). On January 23, 2014, the Department of State held a demonstration of Election Systems & Software ("ES&S") ExpressPoll 5000 Electronic Poll Book with EZRoster version 2.7.12.4 and BridgePoint 1.6.0.0.

A set of Electronic Poll Book Requirements were tested as part of the demonstration, which can be found in Attachment A and a set of BridgePoint Requirements were tested as part of the demonstration, which can be found in Attachment B. The Pennsylvania Department of State's Bureau of Commissions, Elections and Legislation retained Jack Cobb, Laboratory Director of Pro V&V, Inc., as a professional consultant to develop test protocols and test CardWriter versions 1.1.4, 1.1.5, and 1.1.6. CardWriter 1.1.4, CardWriter 1.1.5 and CardWriter 1.1.6 interact with the ExpressPoll 5000 with EZRoster version 2.7.12.4 and BridgePoint 1.6.0.0 Electronic Poll Book and are a component of the AccuVote TSX Voting System version 4.7.8 with Guardian Election Management Software ("GEMS") version 1.21.5 (collectively referred to as the "AccuVote TSX Voting System"). The CardWriter Functional Verification test cases (Attachment C) were designed to determine whether the component can properly program voter access card media in a general election and a closed primary election.

The Bureau of Commissions, Election and Legislation conducted the test cases and it was demonstrated that the card writing function of CardWriter 1.1.4, CardWriter 1.1.5, and CardWriter 1.1.6, when used in conjunction with the ExpressPoll 5000 with EZRoster version 2.7.12.4 and BridgePoint 1.6.0.0, properly writes voter access cards for a general election and a closed primary election for one-time use on the AccuVote TSX Voting System.

As a result of the demonstration conducted on January 23, 2014, and after consultation with the Department's staff, the Secretary of the Commonwealth concludes that: (1) the ExpressPoll 5000 with EZRoster version 2.7.12.4 and BridgePoint 1.6.0.0 meets all requirements of Act 3 and Federal law (see Attachment A), and (2) the card writing function of CardWriter 1.1.4, CardWriter 1.1.5, and CardWriter 1.1.6 can be safely used by voters at elections in conjunction with the ExpressPoll 5000 Electronic Poll Book with EZRoster version 2.7.12.4, BridgePoint 1.6.0.0 and as a component of the AccuVote TSX Voting System and is hereby approved for use in the Commonwealth of Pennsylvania for all federal, state and municipal elections.

If ES&S makes any changes to the ExpressPoll 5000 with EZRoster version 2.7.12.4 and BridgePoint 1.6.0.0 that affects its compliance with the requirements of Pennsylvania or Federal law, ES&S must notify the Department of State and schedule a demonstration to review the changes.

As similarly stated in the September 11, 2012, results of the electronic voting system reexamination, if ES&S makes any changes to the CardWriter 1.1.4, CardWriter 1.1.5, or CardWriter 1.1.6 functionality discussed in this report, ES&S must notify the Department of State immediately. Failure to do so may result in the decertification of the ExpressPoll 5000 Electronic Poll Book; CardWriter versions 1.1.4, 1.1.5, 1.1.6; or the AccuVote TSX Voting System in the Commonwealth of Pennsylvania.

Additionally, as stated in the September 11, 2012, results of the electronic voting system reexamination, if ES&S makes any changes to the AccuVote TSX Voting System, ES&S must immediately notify the Department of State and the relevant federal testing authority or laboratory. Failure to do so may result in decertification of the AccuVote TSX Voting System in the Commonwealth of Pennsylvania.

Counties wishing to implement the Express Poll 5000 Electronic Poll Book with EZRoster version 2.7.12.4, BridgePoint 1.6.0.0 and CardWriter 1.1.4, CardWriter 1.1.5 or CardWriter 1.1.6 may do so county-wide or on an individual precinct-by-precinct basis.

# Attachment A

### **Electronic Poll Book Requirements**

## Results of the Election Systems and Software Express Poll 5000 with EZROSTER V. 2.7.12.4 Demonstration

- ☑ The computer list shall be in a form prescribed and approved by the Secretary. (25 Pa.C.S. § 1402(b)(2)).
- ☑ For each election district, the list shall contain the names of the registered electors alphabetically by last name. (25 Pa.C.S. § 1402(b)(2)).
- Each page of the list (or each screen) shall contain the name of the county. (25 Pa.C.S. § 1402(b)(2)).
- Each page of the list (or each screen) shall contain the election district. (25 Pa.C.S. § 1402(b)(2)).
- Each page of the list (or each screen) shall contain the date of the election. (25 Pa.C.S. § 1402(b)(2)).
- ☑ Each page of the list (or each screen) shall contain the date and time the list was prepared. (25 Pa.C.S. § 1402(b)(2)).

### The list must contain:

- $\blacksquare$  A legible signature. (25 Pa.C.S. § 1402(b)(2)).
- $\blacksquare$  The street address. (25 Pa.C.S. § 1402(b)(2)).
- Political party of each registered elector. (25 Pa.C.S. § 1402(b)(2); 4 Pa. Code § 183.11(b)(3)).
- ☑ Suitable space for insertion of the signature of the registered elector. (25 P.S. § 3050(a.3); 25 Pa.C.S. § 1402(b)(2)).
- ☑ Suitable space for insertion by the proper election official of the number and letter of the stub of the ballot issued to the registered elector or the registered elector's number in the order of admission to the voting systems. (25 P.S. § 3050(a.3); 25 Pa.C.S. § 1402(b)(2)).
- ☑ Suitable space for insertion of the initials of the election official who enters the record of voting in the district register. (25 P.S. § 3050(a.3); 25 Pa.C.S. § 1402(b)(2)).
- ☑ Indication of whether the elector needs assistance to vote and, if so, the nature of the disability. (25 Pa.C.S. § 1402(b)(2)).

- $\blacksquare$  The date of birth of the registrant. (4 Pa. Code § 183.11(b)(4)).
- $\blacksquare$  The SURE registration number of the registrant. (4 Pa. Code § 183.11(b)(5)).
- An elector's affirmation appears above each signature section and contains the verbiage "I hereby certify that I am qualified to vote in this election." (25 P.S. § 3043).
- An indication of whether the registrant's status is active or inactive. (25 Pa.C.S. § 1901(c); 4 Pa. Code § 183.11(b)(6)).

#### Flags Required by the SURE System

- For voters who are "Inactive," affirmation is required. (25 Pa.C.S. § 1901(c) and (d)(3); 4 Pa. Code § 183.11).
- "ID Required" Indication of whether the voter needs to present voter identification. An elector who appears to vote in an election district for the first time must present valid voter identification. (25 P.S. § 3050(a)).
- "Absentee Ballot" If an elector who voted an absentee ballot is in the municipality on Election Day, he or she must vote in the precinct, and the absentee ballot is voided. (25 P.S. § 3146.6(b)).
- ☑ "Must vote in person"- Indication of whether the voter needs to present voter identification if the elector votes for the first time by mail. (Federal: 42 U.S.C. § 15483(b)).

# Attachment B

Test Case Identifier: BridgePoint v	v 1600 Analysis	
Functional	BridgePoint software imports the GEMS database, loads	
Requirements:	the election files for the ExpressPoll 5000, and imports audit logs from the ExpressPoll 5000.	
Test Objective:		
•	ing points of the BridgePoint software and the ExpressPoll	
	ns as excepted and does not adversely affect operation of the	
ExpressPoll 5000.		
Test Configuration:		
The BridgePoint software will be loa	aded on a laptop/PC.	
Test Method:		
The method for testing these require	ments is defined below:	
The test steps that will be followed t	to evaluate the BridgePoint software generally will be:	
• Verify the version of the soft	tware	
• Import election files from the	e GEMS server	
• Program the election compac	ct flash for the ExpressPoll 5000	
• Verify the ExpressPoll 5000 is able to function as designed		
• Verify audit log retrieval		
• Evaluate other features and f	functions within the application	
Criteria for Evaluation of the Test		
The BridgePoint software is able to import the election files, program the election onto a compact flash that can be read by the ExpressPoll 5000.		
<b>Comments:</b> All functionality tested		
<b>Note:</b> The BridgePoint software cont	tains additional functionality to network ExpressPoll units	
for real time updates. This function	•	
Tester Approval:On Fi	ile Date: <u>On File</u>	
Test Witness:On F	ile	

Attachment C

			<b>ZROSTER V. 2.7.12.4 AND CARDWRITER 1.1.4</b>
Test Case Identifie	r: Cardwriter Functional Ve		
<b>Functional Req</b>	uirements:		Express Poll 5000 card writing functionality must be able to program voter
			s card media with the proper keys to allow for ballot styles based on
			aphical subdivisions to properly be retrieved and presented to a voter in a
Taut Ohia diana T			ral Election
ů.	o determine if the card v		<b>Test Configuration:</b> Precinct tabulation device configured as described
	Express Poll 5000 can pro r voter access for one time u		for normal election day operation by Pennsylvania procedures and/or the device manufacturer. A TSx unit will be loaded with all precincts from the
write smart carus io	i voter access for one time t	150.	"Pennsylvania Certification General Election."
Test Equipment:		Expre	ess Poll 5000, 10 voter access cards, TSx units
Special Procedural	Requirements.	None	
Assumptions:	Reguirements.	None	
Step		Tione	Description
1000			
2000	From the Express Poll unit en	code tw	vo voter access cards for each precinct in the General Election.
			h
	<i>Expected:</i> The voter access ca	ards can	be programmed.
	Actual: The voter access card	s were i	programmed.
1010			
	Insert the first Precinct 1 vote	r access	s card into the TSx.
	Expected. The TSy accepts th	ha votar	access and and displays the hallot style of Presingt 1
	Expected: The TSX accepts th	ne voter	access card and displays the ballot style of Precinct 1.
	Actual: The TSx accepted the	voter a	ccess card and displayed the ballot style of Precinct 1.
	-		
1020			
1020	Use the designated method to	n advan	ce the through the ballot. Observe the contests and candidates for Precinct 1 ballot
	style are displayed	Judvun	
	<i>Expected:</i> All contests and ca	andidate	es are accurately displayed.
	Actual: All contests and cand	idates w	vere accurately displayed.
1020			
1030	Use the designated method to	navioa	te to the first contest and select the first candidate.
	ose the designated method to	nuvigu	to the first contest and select the first candidate.
	Expected: The TSx navigates	to the f	irst contest and the selection for the first candidate is input.
		d C	
	Actual: The TSx navigated to	the firs	t contest and the selection for the first candidate was input.
1040			
			ce the "Ballot Review." Observe the "Ballot Review" to see if the above selections
	are indicated. Use the design	ated me	thod to cast the voted selections.
	Expected: The precinct tabu	ulation of	device advances to the "Ballot Review" screen and after review, the ballot is cast

	successfully.
	Actual: The precinct tabulation device advanced to the "Ballot Review" screen and the ballot was successfully cast.
1050	Remove the ejected voter access card or use the designated method to remove the used voter access card. Reinsert the used voter access card.
	<i>Expected:</i> The TSx should give an indication that the voter access card has been used.
	Actual: The TSx gave an indication that the voter access card had been used.
1060	Insert the second Precinct 1 voter access card into the TSx.
	Expected: The TSx accepts the voter access card and displays the ballot style of Precinct 1.
	Actual: The TSx accepted the voter access card and displayed the ballot style of Precinct 1.
1070	Select the first candidate in every "1 of 1" race, the first N in every "N of M" race, and "Yes" for every Referendum race.
	<i>Expected:</i> Every candidate can be input as described.
	Actual: Every candidate was input as described.
1080	
	Use the designated method to advance the "Ballot Review." Observe the "Ballot Review" to see if the above selections are indicated. Use the designated method to cast the voted selections.
	<i>Expected:</i> The precinct tabulation device advances to the "Ballot Review" screen and after review, the ballot is cast successfully.
	Actual: The precinct tabulation device advanced to the "Ballot Review" screen and the ballot was cast successfully.
1090	Repeat steps 1010- 1080 excluding step 1050 for each precinct.
	Expected:       Repeat 1010x         Repeat 1020x
	Actual: All steps were run successfully.
1080	

	Close the polls and print the closed polls report tape.
	<i>Expected:</i> The polls closed and a report is printed. <i>Actual:</i> The polls were closed and a report was printed.
1090	
	Review the closed polls report to ensure all selections input above are recorded and reported correctly.
	<i>Expected:</i> The closed polls report presents the accumulated totals for the selections input above. <i>Actual:</i> The closed polls report presented the accumulated totals for the selections input above.
Criteria for Evalua	ation of the Test Results: The intended selections input above are recorded, stored, and reported as input by
	r access cards are accepted and display the proper ballot style and cannot be reused.
the tester. The vote	

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EXP	RESSPOLL 5000 WITH	I EZROSTER V. 2.7.12.4 AND CARDWRITER 1.1.4
Test Case Identifie	r: Cardwriter Functional Veri	fication (Closed Primary Election)
Functional Requ		The Express Poll 5000 card writing functionality must be able to program voter
-		access card media with the proper keys to allow for ballot styles based on
		geographical subdivisions and party affiliation to properly be retrieved and
		presented to a voter in a Closed Primary Election
0	o determine if the card wri	e
	Express Poll 5000 can prope	
write smart cards fo	r voter access for one time use	1
		parties from the "Pennsylvania Certification Closed Primary Election."
Test Equipment:		Express Poll 5000, 10 voter access cards, TSx units
Special Procedural		None
Assumptions:	ľ	None
Step		Description
1000	From the Express Poll unit enco	be one voter access cards for each party and each precinct in the Closed Primary Election.
	Tiom the Express Fon that eneo	the one voter access cards for each party and each preemet in the closed r finally Election.
	<i>Expected:</i> The voter access card	ls can be programmed.
	A studie The voter appage conde u	
	Actual: The voter access cards v	vere programmed.
1010		
1010	Insert the Democratic voter acce	ess card for Precinct 1 into the TSx.
	<i>Expected:</i> The TSx accepts the	voter access card and displays the ballot style for Democratic party for Precinct 1.
	Actual: The TSx accepted the vo	oter access card and displayed the ballot style for Democratic party for Precinct 1.
	ľ	
1020		
1020	Use the designated method to a	dvance the through the ballot. Observe the contests and candidates for Democratic party
	for Precinct 1 ballot style are dis	
	Expected: All contests and canc	didates are accurately displayed.
	Actual: All contests and candida	ates were accurately displayed.
1030		
1050	Use the designated method to na	avigate to the first contest and select the first candidate.
	-	
	<i>Expected:</i> The TSx navigates to	the first contest and the selection for the first candidate is input.
	Actual: The TSx navigated to th	e first contest and the selection for the first candidate was input.
	<i>a</i>	<b>1</b>
40.55		
1040	Use the designated method to a	dvance the "Ballot Review." Observe the "Ballot Review" to see if the above selections
		ed method to cast the voted selections.
	6	
	-	
	<i>Expected:</i> The precinct tabula	tion device advances to the "Ballot Review" screen and after review, the ballot is cast

	successfully.
	Actual: The precinct tabulation device advanced to the "Ballot Review" screen and the ballot was cast successfully.
1050	Remove the ejected voter access card or use the designated method to remove the used voter access card. Reinsert the used voter access card.
	<i>Expected:</i> The TSx should give an indication that the voter access card has been used.
	Actual: The TSx gave an indication that the voter access card had been used.
1060	Insert the Republican voter access card for Precinct 1 voter access card into the TSx.
	Expected: The TSx accepts the voter access card and displays the ballot style of Precinct 1.
	Actual: The TSx accepted the voter access card and displayed the ballot style of Precinct 1.
1070	Select the first candidate in every "1 of 1" race, the first N in every "N of M" race, and "Yes" for every Referendum race.
	<i>Expected:</i> Every candidate can be input as described.
	Actual: Every candidate was input as described.
1080	
1000	Use the designated method to advance the "Ballot Review." Observe the "Ballot Review" to see if the above selections are indicated. Use the designated method to cast the voted selections.
	<i>Expected:</i> The precinct tabulation device advances to the "Ballot Review" screen and after review, the ballot is cast successfully.
	Actual: The precinct tabulation device advanced to the "Ballot Review" screen and the ballot was cast successfully.
1090	Repeat steps 1010- 1080 excluding step 1050 for each precinct.
	Expected: Repeat 1010x Repeat 1020x Repeat 1030x Repeat 1040x Repeat 1060x Repeat 1070x Repeat 1080x
1000	Actual: All steps were run successfully.
1080	

	Close the polls and print the closed polls report tape.
	<i>Expected:</i> The polls closed and a report is printed. <i>Actual:</i> The polls were closed and a report is printed.
1090	
1070	Review the closed polls report to ensure all selections input above are recorded and reported correctly.
	<i>Expected:</i> The closed polls report presents the accumulated totals for the selections input above. <i>Actual:</i> The closed polls report presented the accumulated totals for the selections input above.
Criteria for Evalua	ation of the Test Results: The intended selections input above are recorded, stored, and reported as input by
	r access cards are accepted and display the proper ballot style and cannot be reused.
the tester. The vote	access cards are accepted and display the proper band, style and cannot be reused.

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EXPRESSPOLL 5000 WITH EZROSTER V. 2.7.12.4 AND CARDWRITER 1.1.5		
Test Case Identifie	r: Cardwriter Functional Ve	erification (General Election)
Functional Req	uirements:	The Express Poll 5000 card writing functionality must be able to program voter
		access card media with the proper keys to allow for ballot styles based on
		geographical subdivisions to properly be retrieved and presented to a voter in a General Election
Tost Objective: T	o determine if the card w	
ů.	Express Poll 5000 can prop	8
	r voter access for one time u	
		"Pennsylvania Certification General Election."
Test Equipment:		Express Poll 5000, 10 voter access cards, TSx units
Special Procedura	Requirements:	None
Assumptions:		None
Step		Description
1000	Energy the Energy Dell or it or	the two sector could for each and in the Coursel Election
	From the Express Poll unit en	ncode two voter access cards for each precinct in the General Election.
	Expected: The voter access ca	ards can be programmed.
	A . (	4
	Actual: The voter access card	as were programmea.
1010		
	Insert the first Precinct 1 voter	er access card into the TSx.
	Expected. The TSy accepts th	he voter access and and displays the ballet style of Precinct 1
	<i>Expected</i> . The TSX accepts u	he voter access card and displays the ballot style of Precinct 1.
	Actual: The TSx accepted the	e voter access card and displayed the ballot style of Precinct 1.
1020		
		o advance the through the ballot. Observe the contests and candidates for Precinct 1 ballot
	style are displayed	
	Expected: All contests and ca	andidates are accurately displayed.
	Actual: All contests and candi	lidates were accurately displayed.
1030	<b>T</b>	
	Use the designated method to	o navigate to the first contest and select the first candidate.
	Expected: The TSx navigates	to the first contest and the selection for the first candidate is input.
	Actual: The TSx navigated to	the first contest and the selection for the first candidate was input.
1040		
		o advance the "Ballot Review." Observe the "Ballot Review" to see if the above selections nated method to cast the voted selections.
	are mulcaleu. Use the designa	
	Expected: The precinct tabu	ulation device advances to the "Ballot Review" screen and after review, the ballot is cast

	successfully.
	Actual: The precinct tabulation device advanced to the "Ballot Review" screen and the ballot was cast successfully.
1050	Remove the ejected voter access card or use the designated method to remove the used voter access card. Reinsert the used voter access card. <i>Expected:</i> The TSx should give an indication that the voter access card has been used.
	Actual: The TSx gave an indication that the voter access card had been used.
1060	Insert the second Precinct 1 voter access card into the TSx.
	<i>Expected:</i> The TSx accepts the voter access card and displays the ballot style of Precinct 1. <i>Actual:</i> The TSx accepted the voter access card and displayed the ballot style of Precinct 1.
1070	Select the first candidate in every "1 of 1" race, the first N in every "N of M" race, and "Yes" for every Referendum race. <i>Expected:</i> Every candidate can be input as described. <i>Actual:</i> Every candidate was input as described.
1080	Use the designated method to advance the "Ballot Review." Observe the "Ballot Review" to see if the above selections are indicated. Use the designated method to cast the voted selections. <i>Expected:</i> The precinct tabulation device advances to the "Ballot Review" screen and after review, the ballot is cast successfully. <i>Actual:</i> The precinct tabulation device advanced to the "Ballot Review" screen and the ballot was cast successfully.
1090	Repeat steps 1010- 1080 excluding step 1050 for each precinct.         Expected:       Repeat 1010x         Repeat 1020x       Repeat 1030x         Repeat 1040x       Repeat 1060x         Repeat 1070x       Repeat 1080x         Actual:       The steps were run successfully.
1080	

	Close the polls and print the closed polls report tape.
	<i>Expected:</i> The polls closed and a report is printed. <i>Actual:</i> The polls were closed and a report was printed.
1090	
	Review the closed polls report to ensure all selections input above are recorded and reported correctly.
	<i>Expected:</i> The closed polls report presents the accumulated totals for the selections input above. <i>Actual:</i> The closed polls report presented the accumulated totals for the selections input above.
Criteria for Evalua	ation of the Test Results: The intended selections input above are recorded, stored, and reported as input by
	r access cards are accepted and display the proper ballot style and cannot be reused.
the tester. The vote	

EXP	RESSPOLL 5000 WITH	I EZROSTER V. 2.7.12.4 AND CARDWRITER 1.1.5
Test Case Identifie	r: Cardwriter Functional Veri	fication (Closed Primary Election)
Functional Req	uirements:	The Express Poll 5000 card writing functionality must be able to program voter
	a	access card media with the proper keys to allow for ballot styles based on
		geographical subdivisions and party affiliation to properly be retrieved and
		presented to a voter in a Closed Primary Election
0	o determine if the card wr	e
	Express Poll 5000 can prope	
write smart cards fo	r voter access for one time use	1
		parties from the "Pennsylvania Certification Closed Primary Election."
Test Equipment:		Express Poll 5000, 10 voter access cards, TSx units
Special Procedural	Requirements:	None
Assumptions:	1	None
Step		Description
1000		
	From the Express Poll unit enco	bde one voter access cards for each party and each precinct in the Closed Primary Election.
	Expected: The voter access card	ls can be programmed.
	-	
	Actual: The voter access cards w	were programmed.
1010		
1010	Insert the Democratic voter acce	ess card for Precinct 1 into the TSx.
	<i>Expected:</i> The TSx accepts the	voter access card and displays the ballot style for Democratic party for Precinct 1.
	Actual: The TSx accepted the ve	oter access card and displayed the ballot style for Democratic party for Precinct 1.
	ľ	
1020		
1020	Use the designated method to a	dvance the through the ballot. Observe the contests and candidates for Democratic party
	for Precinct 1 ballot style are dis	
	Expected: All contests and can	didates are accurately displayed.
	Expected. An contests and call	aloutes are accuratory displayed.
	Actual: All contests and candida	ates were accurately displayed.
1030		
	Use the designated method to na	avigate to the first contest and select the first candidate.
	Expected: The TSx navigates to	the first contest and the selection for the first candidate is input.
	Actual: The TSy navigated to th	e first contest and the selection for the first candidate was input.
	Actual. The TSX havigated to th	te first contest and the selection for the first candidate was input.
1040	Use the designated method to a	dvance the "Ballot Review." Observe the "Ballot Review" to see if the above selections
		ed method to cast the voted selections.
	U	
	Fracted. The president tobula	tion device advances to the "Ballot Review" screen and after raview, the ballot is cost
	<i>Expectea:</i> The precinct tabula	tion device advances to the "Ballot Review" screen and after review, the ballot is cast

	successfully.
	Actual: The precinct tabulation device advanced to the "Ballot Review" screen and the ballot was cast successfully.
1050	Remove the ejected voter access card or use the designated method to remove the used voter access card. Reinsert the used voter access card.
	<i>Expected:</i> The TSx should give an indication that the voter access card has been used.
	Actual: The TSx gave an indication that the voter access card had been used.
1060	Insert the Republican voter access card for Precinct 1 voter access card into the TSx.
	Expected: The TSx accepts the voter access card and displays the ballot style of Precinct 1.
	Actual: The TSx accepted the voter access card and displayed the ballot style of Precinct 1.
1070	Select the first candidate in every "1 of 1" race, the first N in every "N of M" race, and "Yes" for every Referendum race.
	<i>Expected:</i> Every candidate can be input as described.
	Actual: Every candidate was input as described.
1080	
1000	Use the designated method to advance the "Ballot Review." Observe the "Ballot Review" to see if the above selections are indicated. Use the designated method to cast the voted selections.
	<i>Expected:</i> The precinct tabulation device advances to the "Ballot Review" screen and after review, the ballot is cast successfully.
	Actual: The precinct tabulation device advanced to the "Ballot Review" screen and the ballot was cast successfully.
1090	Repeat steps 1010- 1080 excluding step 1050 for each precinct.
	Expected:       Repeat 1010x_         Repeat 1020x_      x         Repeat 1030x_      x         Repeat 1060x_
1080	Actual: The steps were run successfully.
1080	

	Close the polls and print the closed polls report tape.
	<i>Expected:</i> The polls closed and a report is printed. <i>Actual:</i> The polls were closed and a report was printed.
1090	
2070	Review the closed polls report to ensure all selections input above are recorded and reported correctly.
	Expected: The closed polls report presents the accumulated totals for the selections input above.         Actual: The closed polls report presented the accumulated totals for the selections input above.
Criteria for Evalua	ation of the Test Results: The intended selections input above are recorded, stored, and reported as input by
	r access cards are accepted and display the proper ballot style and cannot be reused.
the tester. The vote	access cards are accepted and display the proper barlot style and cannot be reused.

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		TH EZROSTER V. 2.7.12.4 AND CARDWRITER 1.1.6		
Test Case Identifier: Cardwriter Functional Verification (General Election)				
Functional Requ	uirements:	The Express Poll 5000 card writing functionality must be able to program voter		
		access card media with the proper keys to allow for ballot styles based on		
		geographical subdivisions to properly be retrieved and presented to a voter in a		
Tart Ohiartina T		General Election		
0	o determine if the card w	8		
	Express Poll 5000 can prop r voter access for one time u			
write smart cards to	i voter access for one time u	"Pennsylvania Certification General Election."		
Test Equipment:		Express Poll 5000, 10 voter access cards, TSx units		
Special Procedural	Requirements:	None		
Assumptions:	<b>1</b>	None		
Step		Description		
1000				
	From the Express Poll unit end	ncode two voter access cards for each precinct in the General Election.		
	Expected: The voter access ca	ards can be programmed.		
	1			
	Actual: The voter access card	l was programmed.		
1010				
1010	Insert the first Precinct 1 voter	er access card into the TSx.		
	<i>Expected:</i> The TSx accepts the	he voter access card and displays the ballot style of Precinct 1.		
	Actual: The TSx accents the v	voter access card and displayed the ballot style of Precinct 1.		
	netuut. The Tox decepts the v	voter decess card and displayed the barlot style of r reeniet r.		
1020		- characteristic the trained of the ballet. Observes the contexts and conditions for Deciment 1 ballet		
	style are displayed	o advance the through the ballot. Observe the contests and candidates for Precinct 1 ballot		
	style ale alspiajea			
	Expected: All contests and ca	andidates are accurately displayed.		
	Actual: All contests and candi	lidates were accurately displayed.		
		, , , , , , , , , , , , , , , , , , ,		
1020				
1030	Use the designated method to	o navigate to the first contest and select the first candidate.		
	Expected: The TSx navigates	to the first contest and the selection for the first candidate is input.		
	Actual: The TSy payigated to	the first contest and the selection for the first candidate was input.		
	Actual. The TSX havigated to	) the first contest and the selection for the first candidate was input.		
1040	Use the designated with a 1 to	a advance the "Dallet Daview" Observe the "Dallet Daview" to see if the share 1.		
		o advance the "Ballot Review." Observe the "Ballot Review" to see if the above selections nated method to cast the voted selections.		
	<i>Expected:</i> The precinct tabu	ulation device advances to the "Ballot Review" screen and after review, the ballot is cast		

	successfully.
	Actual: The precinct tabulation device advanced to the "Ballot Review" screen and the ballot was cast successfully.
1050	Remove the ejected voter access card or use the designated method to remove the used voter access card. Reinsert the used voter access card. <i>Expected:</i> The TSx should give an indication that the voter access card has been used.
	Actual: The TSx gave an indication that the voter access card had been used.
1060	Insert the second Precinct 1 voter access card into the TSx.
	<i>Expected:</i> The TSx accepts the voter access card and displays the ballot style of Precinct 1. <i>Actual:</i> The TSx accepted the voter access card and displayed the ballot style of Precinct 1.
1070	Select the first candidate in every "1 of 1" race, the first N in every "N of M" race, and "Yes" for every Referendum race. <i>Expected:</i> Every candidate can be input as described. <i>Actual:</i> Every candidate was input as described.
1080	Use the designated method to advance the "Ballot Review." Observe the "Ballot Review" to see if the above selections are indicated. Use the designated method to cast the voted selections. <i>Expected:</i> The precinct tabulation device advances to the "Ballot Review" screen and after review, the ballot is cast successfully. <i>Actual:</i> The precinct tabulation device advanced to the "Ballot Review" screen and the ballot was cast successfully.
1090	Repeat steps 1010- 1080 excluding step 1050 for each precinct.         Expected:       Repeat 1010x         Repeat 1020x         Repeat 1040x         Repeat 1060x         Repeat 1070x         Repeat 1080x         Repeat 1080x
1080	Actual: The steps were run successfully.

	Close the polls and print the closed polls report tape.
	<i>Expected:</i> The polls closed and a report is printed. <i>Actual:</i> The polls were closed and a report was printed.
1090	
	Review the closed polls report to ensure all selections input above are recorded and reported correctly.
	<i>Expected:</i> The closed polls report presents the accumulated totals for the selections input above. <i>Actual:</i> The closed polls report represented the accumulated totals for the selections input above.
Criteria for Evalu	ation of the Test Results: The intended selections input above are recorded, stored, and reported as input by
	er access cards are accepted and display the proper ballot style and cannot be reused.
the toster. The vote	a decess cards are accepted and display the proper bande style and cannot be reased.

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EXP	EXPRESSPOLL 5000 WITH EZROSTER V. 2.7.12.4 AND CARDWRITER 1.1.6			
Test Case Identifie	r: Cardwriter Functional Ver	ion (Closed Primary I	Election)	
Functional Requ			rd writing functionality must be able to program voter	
-			the proper keys to allow for ballot styles based on	
			s and party affiliation to properly be retrieved and	
			losed Primary Election	
0	o determine if the card w	0	n: Precinct tabulation device configured as described	
	Express Poll 5000 can prop		day operation by Pennsylvania procedures and/or the	
write smart cards fo	r voter access for one time us		r. A TSx unit will be loaded with all precincts and	
			ennsylvania Certification Closed Primary Election."	
Test Equipment:		,	er access cards, TSx units	
Special Procedural		2		
Assumptions:			•	
Step		Desci	ription	
1000	From the Express Poll unit end	ne voter access cards for	r each party and each precinct in the Closed Primary Election.	
	Tom the Express Fon that ene	ne voter access cards for	each party and each preemet in the closed I finnary Election.	
	<i>Expected:</i> The voter access car	n be programmed.		
		1		
	Actual: The voter access cards	programmed.		
1010				
1010	Insert the Democratic voter acc	ard for Precinct 1 into th	e TSx.	
	<i>Expected:</i> The TSx accepts the	r access card and display	ys the ballot style for Democratic party for Precinct 1.	
	Actual: The TSx accepted the	access card and displaye	d the ballot style for Democratic party for Precinct 1.	
1020				
1020	Use the designated method to	ce the through the ball	ot. Observe the contests and candidates for Democratic party	
	for Precinct 1 ballot style are d	red		
	<i>Expected:</i> All contests and car	es are accurately display	red	
	Expected. The contests and car	es are accurately display		
	Actual: All contests and candid	were accurately displaye	d.	
1030				
	Use the designated method to r	te to the first contest and	d select the first candidate.	
	Expected: The TSx navigates to	first contest and the sele	ction for the first candidate is input.	
			-	
	Actual: The TSx navigated to t	st contest and the selecti	on for the first candidate was input.	
1040				
			' Observe the "Ballot Review" to see if the above selections	
	are indicated. Use the designat	ethod to cast the voted s	elections.	
	Expected: The precinct tabul	device advances to the	"Ballot Review" screen and after review, the ballot is cast	

	successfully.
	Actual: The precinct tabulation device advanced to the "Ballot Review" screen and the ballot was cast successfully.
1050	Remove the ejected voter access card or use the designated method to remove the used voter access card. Reinsert the used voter access card.
	<i>Expected:</i> The TSx should give an indication that the voter access card has been used.
	Actual: The TSx gave an indication that the voter access card had been used.
1060	Insert the Republican voter access card for Precinct 1 voter access card into the TSx.
	Expected: The TSx accepts the voter access card and displays the ballot style of Precinct 1.
	Actual: The TSx accepted the voter access card and displayed the ballot style of Precinct 1.
1070	Select the first candidate in every "1 of 1" race, the first N in every "N of M" race, and "Yes" for every Referendum race.
	<i>Expected:</i> Every candidate can be input as described.
	Actual: Every candidate was input as described.
1080	
	Use the designated method to advance the "Ballot Review." Observe the "Ballot Review" to see if the above selections are indicated. Use the designated method to cast the voted selections.
	<i>Expected:</i> The precinct tabulation device advances to the "Ballot Review" screen and after review, the ballot is cast successfully.
	Actual: The precinct tabulation device advanced to the "Ballot Review" screen and the ballot was cast successfully.
1090	Repeat steps 1010- 1080 excluding step 1050 for each precinct.
	Expected: Repeat 1010x Repeat 1020x Repeat 1030x Repeat 1040x Repeat 1060x Repeat 1070x Repeat 1080x_
1080	Actual: The steps were run successfully.
1080	

	Close the polls and print the closed polls report tape.
	<i>Expected:</i> The polls closed and a report is printed. <i>Actual:</i> The polls were closed and a report was printed.
1090	
2070	Review the closed polls report to ensure all selections input above are recorded and reported correctly.
	<i>Expected:</i> The closed polls report presents the accumulated totals for the selections input above. <i>Actual:</i> The closed poll report presented the accumulated totals for the selections input above.
Criteria for Evalua	ation of the Test Results: The intended selections input above are recorded, stored, and reported as input by
	r access cards are accepted and display the proper ballot style and cannot be reused.
the tester. The vote	