COMMONWEALTH OF PENNSYLVANIA

AS RUN TEST PROTOCOL

FOR

RE-EXAMINATION OF

EXPRESSPOLL 5000 WITH EZROSTER V. 2.7.8 AND CARDWRITER 1.1.4 EXPRESSPOLL 5000 WITH EZROSTER V. 2.7.8 AND CARDWRITER 1.1.5 EXPRESSPOLL 5000 WITH EZROSTER V. 2.7.8 AND CARDWRITER 1.1.6

August 28, 2012

Harrisburg, Pennsylvania

EXPRESSPOLL 5000 WITH EZROSTER V. 2.7.8 AND CARDWRITER 1.1.4

Test Case Identifier: Cardwriter Functional Verification (Closed Primary Election)		
Functional Requ	irements:	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
T (O) ()		presented to a voter in a Closed Primary Election
	o determine if the card v	
	Express Poll 5000 can pro	
write smart cards to	or 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:		Express Poll 5000, 10 voter access cards, TSx units
Special Procedura	l Requirements:	None
Assumptions:		None
Step		Description
1000		•
	From the Express Poll unit en	code 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	ls were successfully programmed.
1010		
1010	Insert the Democratic voter a	ccess card for Precinct 1 into the TSx.
	Expected: The TSx accepts the transmission of transmission of the transmission of transmission	he 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 Democratic ballot for Precinct 1.
1020		
1020	Use the designated method to Precinct 1 ballot style that are	advance through the ballot. Observe the contests and candidates for Democratic party for displayed
	<i>Expected:</i> All contests and ca	andidates are accurately displayed.
	Actual: All contests and cand	idates were accurately displayed.
1030		
	Use the designated method to	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	o the first contest and the selection for the first candidate was input.
1040	_	advance to "Ballot Review." Observe the "Ballot Review" to see if the above selections are

	<i>Expected:</i> The precinct tabulation device advances to the "Ballot Review" screen. After review, the ballot is cast successfully.<i>Actual:</i> The precinct tabulation device advanced to the "Ballot Review" screen. After review, 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 and did not allow for use until reloaded.
	Actual: The TSx gave an indication that the voter access card had been used and did not allow for re-use.
1060	
1000	Insert the Republican voter access card for Precinct 1 into the TSx.
	<i>Expected:</i> The TSx accepts the voter access card and displays the Republican ballot style of Precinct 1.
	Actual: The TSx accepted the voter access card and displayed the Republican ballot for Precinct 1.
1070	
10/0	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: Candidates were input as described
1080	Use the designated method to advance to the "Ballot Review" screen. Observe the "Ballot Review" screen 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. After review, the ballot is cast successfully.
	Actual: The precinct tabulation device advanced to the "Ballot Review" screen. After review, the ballot was cast successfully.
1090	Repeat steps 1010- 1080 excluding step 1050 for each precinct.
	<i>Expected:</i> Repeat 1010 _X Repeat 1020X Repeat 1030X
	Repeat 1040X

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EXPRESSPOLL 5000 WITH EZROSTER V. 2.7.8 AND CARDWRITER 1.1.5

Test Case Identifier: Cardwriter Functional Verification (General Election)			
			Express Poll 5000 card writing functionality must be able to program voter
-			ss 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
	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 from the
			"Pennsylvania Certification General 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 tv	wo voter access cards for each precinct in the General Election.
	<i>Expected:</i> The voter access ca		
	Actual: The voter access card	ls were	programmed.
1010			
	Insert the first Precinct 1 vote	r acces	s card into the TSx.
	<i>Expected:</i> The TSx accepts the temperature of tempe	he vote	r access card and displays the ballot style of Precinct 1.
	Actual: The TSx accepted the	voter a	access card and displayed the ballot style for Precinct 1.
1020	Use the designated method to	advan	as through the hellot. Observe the contexts and condidetes for Dresingt 1 hellot style
	that are displayed	aavan	ce through the ballot. Observe the contests and candidates for Precinct 1 ballot style
	<i>Expected:</i> All contests and ca	andidat	es are accurately displayed.
	Actual: All contests and cand	idates v	were accurately displayed.
1030			
	Use the designated method to	naviga	te to the first contest and select the first candidate.
	<i>Expected:</i> The TSx navigates	to the t	first contest and the selection for the first candidate is input.
	Actual: The TSx navigated to	the firs	st contest and the selection for the first candidate was input.
1040	-		ce to the "Ballot Review" screen. Observe the "Ballot Review" screen to see if the the designated method to cast the voted selections.

	<i>Expected:</i> The precinct tabulation device advances to the "Ballot Review" screen. After review, the ballot is cast successfully.
	Actual: The precinct tabulation device advanced to the "Ballot Review" screen. After review, 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 and did not allow for use until reloaded.
	Actual: The TSx indicated that the voter access card had been used and prohibited re-use.
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 for Precinct 1.
1070	Select the first condidets in every "1 of 1" roos the first N in every "N of M" roos and "Ves" for every Deferendum roos
	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: Candidates were input as described.
1080	Use the designated method to advance to the "Ballot Review" screen. Observe the "Ballot Review" screen 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. After review, the ballot is cast successfully.
	Actual: The precinct tabulation device advanced to the "Ballot Review" screen. After review, the ballot was cast successfully.
1090	Repeat steps 1010- 1080 excluding step 1050 for each precinct.
	<i>Expected:</i> Repeat 1010X Repeat 1020X Repeat 1030X Repeat 1040X

	Repeat 1060X
	Repeat 1070X
	Repeat 1080X
	Actual: All steps were repeated and the expected results were observed.
1100	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.
1110	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 presented the accumulated totals for 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.	

EXPRESSPOLL 5000 WITH EZROSTER V. 2.7.8 AND CARDWRITER 1.1.6

Test Case Identifier: Cardwriter Functional Verification (General Election)		
		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
•	To determine if the card wr	8
	Express Poll 5000 can prope	
write smart cards for	or voter access for one time use	
		"Pennsylvania Certification General Election."
Test Equipment:		Express Poll 5000, 10 voter access cards, TSx units
Special Procedura	1	None
Assumptions:]	None
Step		Description
1000		
	From the Express Poll unit enco	ode two voter access cards for each precinct in the General Election.
	Expected: The voter access card	ds can be programmed.
	Actual: The voter access cards	s were programmed.
1010		
1010	Insert the first Precinct 1 voter a	access card into the TSy
	insert the first recinct r voter a	access card into the 15x.
	Fur estade The TSy accents the	a vision second and displays the hallot style of Drasinat 1
	<i>Expected</i> . The TSX accepts the	e voter access card and displays the ballot style of Precinct 1.
	A study The TSy accepted the y	voter access card and displayed the ballot style for Precinct 1.
	Actual. The TSX accepted the v	voter access card and displayed the ballot style for recinct 1.
1030		
1020	The the design stad mosthed to a	- during the second design of the second second second dates for Design of the list state
	are displayed	advance through the ballot. Observe the contests and candidates for Precinct 1 ballot style
	are displayed	
	Expected, All contests and con	adidatas ara accurately displayed
	<i>Expected:</i> All contests and can	ndidates are accurately displayed.
	Actual, All contasts and condid	dates were accurately displayed.
	Actual. All contests and candid	lates were accurately displayed.
1030		
1030	Use the designated method to n	navigate to the first contact and calent the first condidate
	Use the designated method to h	navigate to the first contest and select the first candidate.
	Expected The TSy powerster to	a the first contact and the selection for the first condidate is input
	<i>Expected:</i> The TSX navigates to	o the first contest and the selection for the first candidate is input.
	A atual. The TSy periods 1 to 41	the first contact and the selection for the first condidate was input
	Actual: The TSX navigated to th	the first contest and the selection for the first candidate was input.
1040		
	-	advance to the "Ballot Review" screen. Observe the "Ballot Review" screen 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. After review, the ballot is cast successfully.
	Actual: The precinct tabulation device advanced to the "Ballot Review" screen. After review, 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 and did not allow for use until reloaded.
	Actual: The TSx indicated that the voter access card had been used and prohibited re-use.
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 for 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: Candidates were input as described.
1080	Use the designated method to advance to the "Ballot Review" screen. Observe the "Ballot Review" screen 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. After review, the ballot is cast successfully.
	Actual: The precinct tabulation device advanced to the "Ballot Review" screen. After review, the ballot was cast successfully.
1090	
	Repeat steps 1010- 1080 excluding step 1050 for each precinct.
	<i>Expected:</i> Repeat 1010X Repeat 1020X Repeat 1030X Repeat 1040X

	Repeat 1060X Repeat 1070X Repeat 1080X Actual: All steps were repeated and the expected results were observed.
1100	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.
1110	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 that were 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.	