

AGENDA

LOGIC & ACCURACY TEST



April 25, 2023 Special Election
Date Conducted: April 5, 2023, 10:00 a.m.

- 1** Introduction and welcome
- 2** Purpose of testing
- 3** Summary of testing
- 4** Demonstration of accessible ballot marking device
- 5** Run test ballots and compare to expected results
- 6** Certification of voting equipment
- 7** Closing remarks

WELCOME & INTRODUCTIONS

KYLE HAUGH, ELECTIONS MANAGER

PIERCE COUNTY STAFF

Corbin Ensminger

Brad Pearsall

Amy Geisen

Mike Fitta

PURPOSE OF TEST

The purpose of this test is to ensure the entire tabulation system is functioning properly and fully prepared for the counting and tabulation of results on Election Day. The test is required by RCW 29A.12.130 and WAC chapter 434-335.

The Clear Access and Clear Count system has been prepared and fully tested in accordance with state law. Today, we will perform a full test of the tabulation system, tabulating votes marked on ballots printed by our vendor, ballots produced by the ballot on demand system, and ballots generated by the Clear Access units. Results will be compared to the expected results to ensure proper tabulation.

Today's Logic and Accuracy testing will be performed for each ballot style using the marking pattern as prescribed in WAC Chapter 434-335 and approved by the Office of the Secretary of State.

This official Logic and Accuracy Test is open to observation pursuant to state law.

SUMMARY OF TESTING TO DATE

The pre-testing of the ballots was as follows:

- One ballot from each ballot type was marked for the first position in each race.
- One ballot from each ballot type was marked for the second position in each race.
- A test deck was marked for varying positions in each race.

Ballot test decks were run through the Clear Count scanners to ensure that each ballot type was properly read by the system. Tests ensured that each ballot was counted and tabulated into the correct precinct.

Each accessible ballot marking device has been set-up and tested. A ballot was marked and printed on each device and the ballot is included in today's test.

Version numbers and hash checks of certified software were verified.

TEST OF ACCESSIBLE BALLOT MARKING DEVICES (CLEAR ACCESS UNITS)

Purpose of Test

To demonstrate the equipment's ability to function as an accessible ballot marking device for the purpose of marking and printing a ballot. State law requires the equipment to be available for voting in Election Offices eighteen days prior to the election.

Test Plan Description

One ballot will be selected at random from the testing deck. The selected ballot will be duplicated using a Clear Access unit. The ballot will be compared to verify accuracy and the machine-marked ballot will be reintroduced to the deck. This same procedure was performed on the other machines certified for use in this election.

TEST OF CLEAR COUNT SCANNERS AND RESULTS REPORTING

Purpose of Test

To demonstrate the equipment's ability to scan and tabulate ballots.

Test Plan Description

The test deck was marked according to the attached expected results.

A zero report will be printed.

A group of ballots will be scanned on each scanner. The server will merge and tabulate the images from each scanner. A summary report will be printed and expected results will be verified.

Ballots containing overvotes and undervotes are included in the test deck.

CERTIFICATION OF VOTING EQUIPMENT

Complete Logic and Accuracy Addendum verifying version numbers.

Complete Logic and Accuracy Certificate.

All Logic and Accuracy documents and test ballots will be sealed and archived with the Election.

Logic and Accuracy Test Special Election - April 25, 2023

This is to certify that on April 5, 2023, a Logic and Accuracy Test of
the voting system was conducted in the county of:

Pierce

All tests were conducted in accordance with RCW 29A.12 and WAC 434-335.
I, the undersigned, hereby certify that the election system successfully passed this logic and accuracy
test and correctly counted all ballots cast and is hereby ready for the upcoming election.

Bridget Hart
County Auditor or Designee

Others Present:
[Signature]
[Signature]

Wendy Wright
Party Representative - Democratic

[Signature]
Party Representative-Independent

[Signature]
Party Representative - Republican

734
Seal No.

Logic and Accuracy Test Addendum

ClearBallot

State of Washington Certification of Voting System

Certification

Voting System Pre-test

- I certify that the program and ballot counting system components have been thoroughly tested in accordance with WAC 434-335-275. This testing was performed and completed prior to the official Logic and Accuracy Test.

Accessible Voting Unit Logic and Accuracy Test

- I certify that the program and ballot counting system components for Accessible Voting Units have been thoroughly tested in accordance with WAC 434-335-520.

Electronic Ballot Delivery System

- I certify that the electronic ballot delivery system has been tested for all ballot styles.

Voting System Hardware, Firmware and Software

- I certify that the program and ballot counting system components are certified with the state, and the version #s of all software, firmware and hardware of the voting system used for the logic and accuracy test have not changed from the certified versions.

Tabulation System

ClearVote 1.4.2

Hardware and Firmware -

- Fujitsu fi-6800 - 10.10.710
- Fujitsu-fi-6670
- Fujitsu-fi-6400 - PaperStream 1.30.0
- Fujitsu-fi-7180 - PaperStream 1.4.0
- IBML ImageTrac Lite Scanner 6000
- IBML ImageTrac DS 1210 - 1.0.3

Software -

- ClearDesign 1.4.3
- ClearAccess 1.4.1
- ClearCount 1.4.2
- ClearCast 1.4.2
- SoftTrac ScanDS 4.3.0 (for IBML Scanners)

ClearVote 2.1

Hardware and Firmware -

- Fujitsu fi-6400
- Fujitsu fi-6800
- Fujitsu-fi-7180
- Fujitsu-fi-7800
- Fujitsu-fi-7900
- IBML ImageTrac Lite Scanner 6000
- IBML ImageTrac DS 1210

Software -

- ClearDesign 2.1.0
- ClearAccess 2.1.0
- ClearCount 2.1.3

ClearVote 1.5

Hardware and Firmware -

- Fujitsu fi-6800
- Fujitsu-fi-6400
- Fujitsu-fi-7180
- IBML ImageTrac Lite Scanner 6000
- IBML ImageTrac DS 1210

Software -

- ClearDesign 1.5.1
- ClearAccess 1.5.1
- ClearCount 1.7.1
- ClearCast 1.5.1
- SoftTrac ScanDS 4.3.0 (for IBML Scanners)

ClearVote 2.2

Hardware and Firmware -

- Fujitsu fi-6400
- Fujitsu fi-6800
- Fujitsu-fi-7180
- Fujitsu-fi-7800
- Fujitsu-fi-7900

Software -

- ClearDesign 2.2.4
- ClearAccess 2.2.2
- ClearCount 2.2.4

Signature


Signature

4/5/23
date



WASHINGTON
Secretary of State

Elections Division

L&A AVU test log

County Name: Pierce

Election Name & Date: Special Election April 25, 2023

Precincts in election	<input type="checkbox"/> All precincts in county <input checked="" type="checkbox"/> Subset of precincts (list precincts below or attach list)
AVU type	<input type="checkbox"/> Direct recording electronic (DRE) <input checked="" type="checkbox"/> Ballot marking device
Notes:	

Machine name or number	Precincts (if not all precincts in the election are loaded on the AVU, indicate the precincts available on the machine)	Initials of tester	Time/date tested	Seal number
#3-A19C005927	ALL	BP	4/4/23 8:40	45740700
#5-I19C010585	ALL	BP	4/4/23 845	45740699
#6-I19C010578	ALL	BP	4/4/23 844	45740698
#7-I19C010580	ALL	BP	4/4/23 850	45740697
#8-I19C010577	ALL	BP	4/4/23 9100	45740696

Split	
2083	28527
2093	28528
2096	28529
2097	28530
2098	28531
2099	28532
2110	28533
2111	28540
2112	28541
2113	28542
2114	28543
2136	28544
2137	28545
2154	28565
25276	28566
25287	28567
25289	28568
25290	28569
25373	28572
28395	28573
28471	28576
28512	28577
28515	28593
28516	28595
28517	28600
28518	28657
28519	28714
28520	31710
28521	31866
28522	31891
28523	31901
28524	31904
28525	31913
28526	31920
	31921

Choice	Votes	Vote %
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All Precincts

City of Dupont - Proposition No. 1 (Vote for 1)

0 ballots (0 over voted ballots, 0 overvotes, 0 undervotes)

Approved	0	0.00%
Rejected	0	0.00%
Total	0	0.00%
Overvotes	0	
Undervotes	0	

City of University Place - Proposition No. 1 (Vote for 1)

0 ballots (0 over voted ballots, 0 overvotes, 0 undervotes)

Yes	0	0.00%
No	0	0.00%
Total	0	0.00%
Overvotes	0	
Undervotes	0	

Steilacoom Historical School Dist. No. 1 - Proposition No. 1 (Vote for 1)

0 ballots (0 over voted ballots, 0 overvotes, 0 undervotes)

Yes	0	0.00%
No	0	0.00%
Total	0	0.00%
Overvotes	0	
Undervotes	0	

Orting School District No. 344 - Proposition No. 1 (Vote for 1)

0 ballots (0 over voted ballots, 0 overvotes, 0 undervotes)

Yes	0	0.00%
No	0	0.00%
Total	0	0.00%
Overvotes	0	
Undervotes	0	

2023 April Special Election
 Logic and Accuracy Expected Results

Contest	Total Votes
City of Dupont - Proposition No. 1	
Approved	6
Rejected	12
Overvote	3
City of University Place - Proposition No. 1	
Yes	8
No	16
Overvote	4
Steilacoom Historical School Dist. No. 1 - Proposition No. 1	
Yes	9
No	18
Overvote	3
Orting School District No. 344 - Proposition No. 1	
Yes	3
No	6
Overvote	3

Precinct 28-527 (Card 2)

Blank Ballot

Notes:

The logic and accuracy matrix is designed using instructions found in WAC 434-335-323.

Card style refers to an individual ballot style that has a unique set of races on it. One card style may represent multiple precincts.

This matrix is used to determine the expected results for the logic and accuracy test.

Choice	Votes	Vote %
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All Precincts

City of Dupont - Proposition No. 1 (Vote for 1)

21 ballots (3 over voted ballots, 3 overvotes, 0 undervotes)

Approved	6	33.33%
Rejected	12	66.67%
Total	18	100.00%
Overvotes	3	
Undervotes	0	

City of University Place - Proposition No. 1 (Vote for 1)

29 ballots (4 over voted ballots, 4 overvotes, 1 undervotes)

Yes	8	33.33%
No	16	66.67%
Total	24	100.00%
Overvotes	4	
Undervotes	1	

Steilacoom Historical School Dist. No. 1 - Proposition No. 1 (Vote for 1)

42 ballots (3 over voted ballots, 3 overvotes, 12 undervotes)

Yes	9	33.33%
No	18	66.67%
Total	27	100.00%
Overvotes	3	
Undervotes	12	

Orting School District No. 344 - Proposition No. 1 (Vote for 1)

12 ballots (3 over voted ballots, 3 overvotes, 0 undervotes)

Yes	3	33.33%
No	6	66.67%
Total	9	100.00%
Overvotes	3	
Undervotes	0	