

LOGIC AND ACCURACY QUESTIONS TO ASK BEFORE THE PUBLIC TESTING

PRE L&A QUESTIONS:1

- Can you provide the EAC Certificate?²
- When was the last time you scanned the equipment for viruses?
- When was the battery replaced? Is it older than 3 years?
- When was the last time ES&S did maintenance?
- Did you back up the tabulator before maintenance was done?
- Do you have a logbook for the storage of tabulators, that notes who had access to the systems?
- Who will be on the testing board? (must be at least 2 with reasonable attempt to have one person from each party that holds primary)
- When will the Logic and Accuracy take place?⁴ (must be at least 48 hours before voting begins)

BALLOT CREATION QUESTIONS

/	Questions	Answer/Comment
	Who created the test	
	matrix/pattern/script?	
	Who created the test ballots?	
	Who made the actual ballots?	
	How many ballot styles? ⁵	
	How many ballots in the test deck?	
	What is your FORMULA for number of	
	ballots in the test deck?	

¹ https://uscase.org

² Texas Election Code 122.001.a.3 https://statutes.capitol.texas.gov/Docs/EL/htm/EL.122.htm

³ Texas Election Code 129.023 a https://statutes.capitol.texas.gov/Docs/EL/htm/EL.129.htm

⁴ Texas Election Code 129.023 b https://statutes.capitol.texas.gov/Docs/EL/htm/EL.129.htm

⁵ Texas Election Code 129.023.c. 2 https://statutes.capitol.texas.gov/Docs/EL/htm/EL.129.htm

DOES	THE TEST DECK INCLUDE:	
/	Description	Comment
	Every Ballot Style/Precinct ⁶	
	A vote for every choice on the ballot ⁷	
	Undervotes ⁸	
	Overvotes ⁹	
	Blank Ballots. How many? (at least 10)	
	Write-In votes ¹⁰	
	Unique number of votes casts per	
	candidate per race? ¹¹	
	Is a prime number assigned to each	
	contest?	
	Provisional ¹² Limited	
	Labeled "TEST" Absentee ¹³	Calculate pareaut of total
		Calculate percent of total test deck
	(Folded: Recommend at least 10%)	test deck
	(Test Bleed Through with Sharpie)	
	Both are recommended in SOS	
	training	Calculate percent folded
	Tested Absentee, Early Voting and	
	Election Day ¹⁴	
	Handmarked by Public ¹⁵	

⁶ Texas Election Code 129.023.c.2 https://statutes.capitol.texas.gov/Docs/EL/htm/EL.129.htm

⁷ Ihid

⁸ Texas Election Code 129.023.c.3 <u>https://statutes.capitol.texas.gov/Docs/EL/htm/EL.129.htm</u>

⁹ ibid

¹⁰ Texas Election Code 129.023.c.4 https://statutes.capitol.texas.gov/Docs/EL/htm/EL.129.htm

¹¹ https://www.sos.state.tx.us/elections/forms/seminar/2023/41st/logic-and-accuracy-testing.pdf

¹² Texas Election Code 129.023.c.5

¹³ https://www.sos.state.tx.us/elections/forms/seminar/2023/41st/logic-and-accuracy-testing.pdf

¹⁴ https://www.sos.state.tx.us/elections/forms/seminar/2023/41st/logic-and-accuracy-testing.pdf

¹⁵ https://www.sos.state.tx.us/elections/forms/seminar/2023/41st/logic-and-accuracy-testing.pdf



LOGIC AND ACCURACY GAME DAY QUESTIONS

DEVICE AND VERSION		
Device Type and Version	Asset Tag #	
QUESTIONS ON HASH VALIDATION		
Was Hash performed on at least or type and version? 17	ne piece of equipment per device	
Election Management Computers	Central Scanners	
Ballot Scanners (precinct) Ballot Marking Devices (to include for accessi	Tabulation computers	
How were these particular machine		
Tiow were these particular machine		
List the machine types and version	s tested	
Were these the same machines tha	at have been tested before?	
What is the source of software com	nparison tool? ¹⁸	
Is the comparing computer connec	ted to the internet? ¹⁹	
Are the USBs new and unused? ²⁰ C	an you show us before you load the	
information from the equipment?		
Was the Hash Validation test succe	essful for each machine?	
Was the Hash Validation performed	d before counting any ballots? ²¹	
Were the ballots counted on the sa	me machines that were hash	
validated?		

¹⁶ Texas Election Code 129.023.c-1 https://statutes.capitol.texas.gov/Docs/EL/htm/EL.129.htm

¹⁷ https://www.sos.state.tx.us/elections/forms/seminar/2023/41st/logic-and-accuracy-testing.pdf

¹⁸ ibid

¹⁹ ibid

 $^{^{20}} https://www.sos.state.tx.us/elections/forms/seminar/2023/41st/logic-and-accuracy-testing.pdf$

²¹ https://www.sos.state.tx.us/elections/forms/seminar/2023/41st/logic-and-accuracy-testing.pdf



LOGIC AND ACCURACY GAME DAY QUESTIONS

TESTING THE BALLOTS		
I	Did they scan ballots in all four orientations? ²	² (top rightside in, top
l l	oackwards, flipped rightside in, flipped backw	vards)
I	Did the testing board cast ballots? ²³	
	Does each ballot get tested on each scanner?	
1	Are all ballot positions tested? (Related to cre	ated ballots above)
I	Did they test any print on demand ballots? (if	applicable)
I	How many ExpressVote ballots will be tested	per precinct?
	How many scanners will be used to count?	
•	Today?	Today
	During the Election	Election
TESTIN	IG EQUIPMENT	
How we	ere these machines in particular selected	
for the Public Logic and Accuracy Test?		
Are these the same machines that were tested		
before?	?	
Can the same ballot be reinserted into the		
tabulator if removed?		
Can co	Can copies be inserted into the tabulator and will	
they count?		
Will the Test include? ²⁴		
	 Hand-marked ballots 	
	 Ballot marking device ballots 	
	o DRE	
	 E-pollbook (best practice) 	
	 Tabulators 	
	 Central Scanners 	
	 Central accumulator 	
	 Flection Night Reporting 	

 $^{^{22}\,}https://www.sos.state.tx.us/elections/forms/seminar/2023/41st/logic-and-accuracy-testing.pdf$

²³ Texas Election Code 129.023.c.1 https://statutes.capitol.texas.gov/Docs/EL/htm/EL.129.htm

²⁴ https://www.sos.state.tx.us/elections/forms/seminar/2023/41st/logic-and-accuracy-testing.pdf

TESTING EQUIPMENT CON'T	
DRE (Curbside) must be cast in teams of two ²⁵ O Date and Time Zero report ²⁶ Check Modem Status on Configuration Tape	
Tabulators	
Did the expected results match the actual reported results? ²⁸	
Testing Materials Sealed in Box with members of testing board sign off ²⁹	
Was SOS form filled out? "Certification Of Hash Validation, Public Logic And Accuracy Test And First Test Of Automatic Tabulating Equipment" ³⁰	
Is a copy of the system's software being stored at a secure location at a secure location outside of the administrator's and programming entitiy's control for at least 22 months after election day?	

²⁵ Texas Election Code 129.023.c.8 https://statutes.capitol.texas.gov/Docs/EL/htm/EL.129.htm

²⁶ Texas Election Code 129.023.c.7 https://statutes.capitol.texas.gov/Docs/EL/htm/EL.129.htm

²⁷ Ibid

²⁸ Texas Election Code 129.023.d https://statutes.capitol.texas.gov/Docs/EL/htm/EL.129.htm

²⁹ Texas Election Code 129.023.f.1 https://statutes.capitol.texas.gov/Docs/EL/htm/EL.129.htm

³⁰ Texas Election Code 129.023.e.1 https://statutes.capitol.texas.gov/Docs/EL/htm/EL.129.htm



LOGIC AND ACCURACY AFTER THE TESTING

DOCUMENTS TO COLLECT BY PUBLIC INFO REQUEST		
	Reports from any ExpressVote machines	
	Reports from all Tabulators tested	
	Reports from Hardware Diagnostics Test ³¹	
	Audit Logs	
	Cast Vote Records from the L&A test	
	Ballot Image in c and I formats.	
	Digital Image of Certificate	

Fill out form here:

https://apps.collincountytx.gov/Forms/PublicInfoRequestProd

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³¹ Texas Election Code 129 Subchapter B https://statutes.capitol.texas.gov/Docs/EL/htm/EL.129.htm