

LATENT PRINT CERTIFICATION BOARD OPEN MEETING

August 1st, 2018

San Antonio, TX

- Introductions
- Stephanie Howard, CLPE Ontario Provincial Police (Chair)
- Anne Steinmetz, CLPE Scottsdale Police Crime Laboratory (Sec)
- Jamie Bush, CLPE Mississippi Forensics Laboratory
- Kelley Counts, CLPE Consultant
- Tim Fayle, CLPE Santa Clara County Sheriff's Office
- Kaitlin Moe, CLPE Montana Department of Justice
- Shannon Prince, CLPE Federal Bureau of Investigation

Current Statistics (YTD 2018)

Latent Print Certification Board

	Applications Received	New Applications	Recert Applications	Applications Expired	Total Tested	Passed
Total	101	31	70	47	119	100
Members	89	25	64	0	105	88
Non-members	12	6	6	1	13	11
Not Determined	0	0	0	46	1	1

Currently

- 973 Certified Examiners
- 16 new applications
- 38 recertification apps

APPLICATIONS BY YEAR

	NEW	RECERTIFICATION	EXPIRED
2014	100	103	16
2015	105	149	55
2016	90	161	73
2017	92	187	80
2018 (YTD)	37	73	47

COURSES ACCEPTED FOR CREDIT (NEW AND RECERTIFICATION)

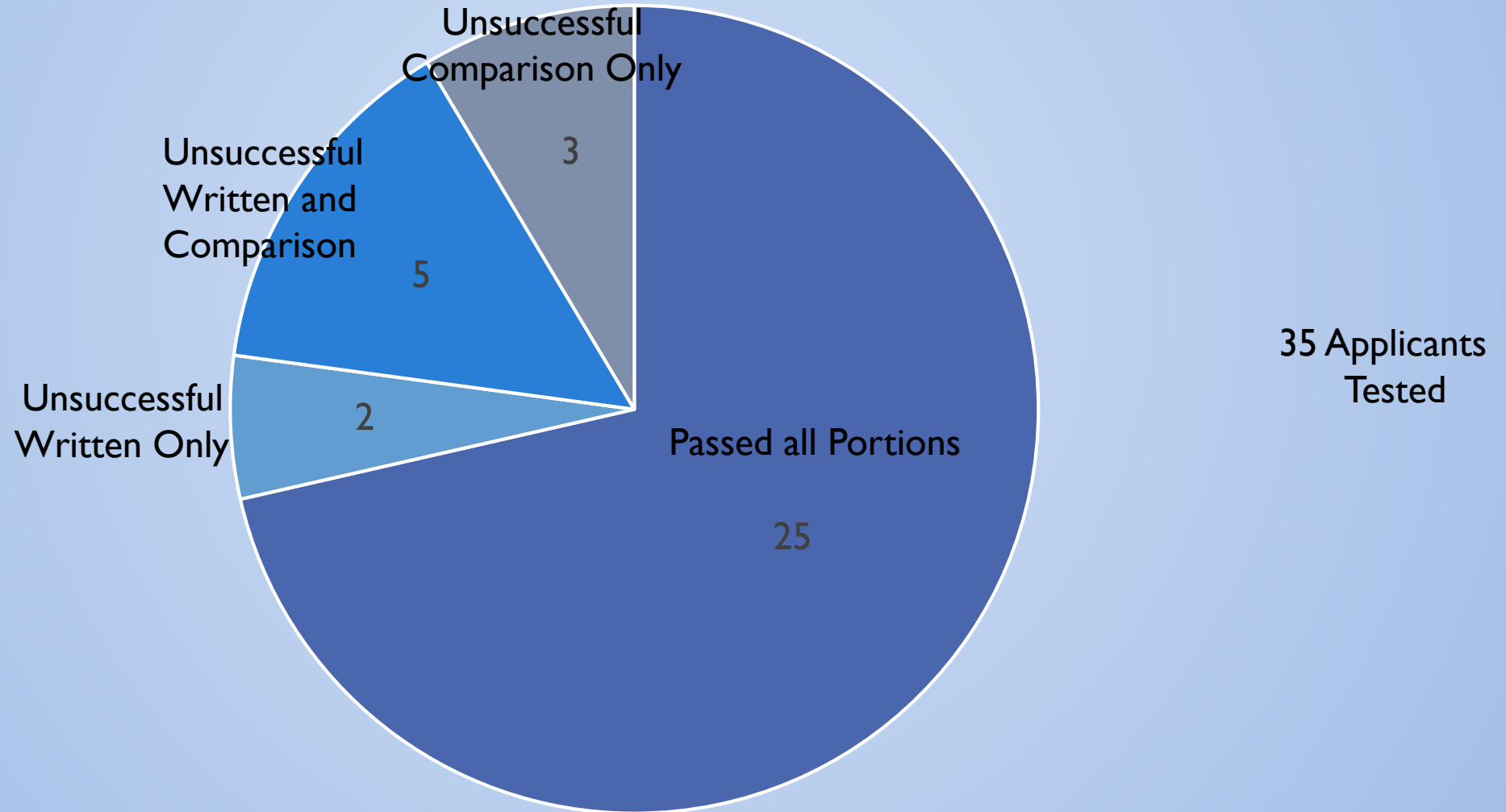
- All courses that will be accepted for credit for either a new application or a recertification application should be submitted for review by the LPCB
- Instructors are asked to submit the course syllabus as soon as possible
- Internal training programs must have a breakdown of hours, topics covered, and instructional component or feedback loop.
- Topics must be related to the latent print discipline
- Crime Scene related classes, department mandated classes conducted annually (PPE, Biohazard, Computer Security, etc.) or other topics not approved by the board will not be accepted

COURSES ACCEPTED FOR CREDIT (NEW AND RECERTIFICATION)

- Any course/training program has the opportunity to be included on the list, provided the appropriate documents are submitted and criteria is met
- This is not an endorsement by the IAI or LPCB, but that training has been approved for credits for Certification and Recertification applications
- Course descriptions and questions may be sent to Tim Fayle:
timothy.fayle@shf.sccgov.org
- To date there are over 135 training classes and/or training programs that have been approved, including some on-line courses

CERTIFICATION TEST

CERTIFICATION TEST YTD 2018



PASS RATES BY YEAR

	NEW
2015	78
2016	74
2017	68
2018 (YTD)	71*

*Statistic fluctuates monthly depending on the number of test sent/received monthly

CHANGES TO THE CERTIFICATION TEST AND APPLICATION PROCESS

- The Pattern Interpretation portion of the test has been eliminated
 - Based on the review of the surveys returned by testing applicants
 - More applicable to the IO-Print Certification Program
- Qualifying training for Certification Applications
 - General Conference attendance limited to a maximum of 80 hours of the 176 hours
 - Workshop attendance – is NOT applicable on the same days as conference attendance (No Double Dipping)

RECERTIFICATION TEST

- If the application is submitted prior to your expiration date, but the testing timeline is after that date, you are considered to be “in the process” of renewing
- Tests that are received after the deadline on the instruction sheet will put your certification in **expired** status.
- Be sure to verify your expiration date

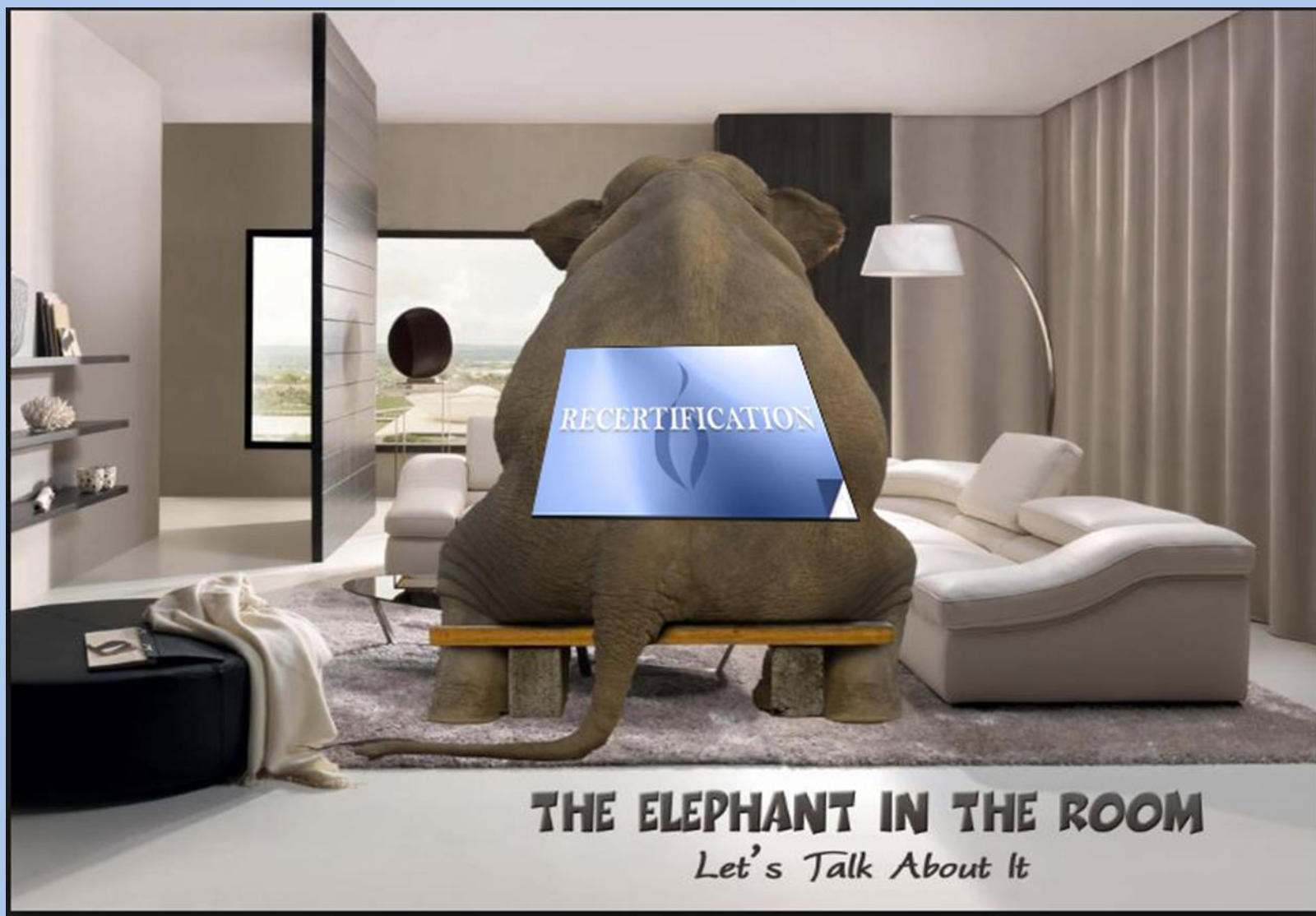
CHANGES TO THE TESTING PROCESS CERTIFICATION AND RECERTIFICATION COMPARISON TESTS

- Effective August 2017
- Based on input of general practice within the community, the following changes were made to the testing process.
- 1 erroneous exclusion – waiting period is 6 months
- 1 erroneous identification – waiting period is 1 year
- 2 or more erroneous conclusions – waiting period will be 1 year

CHANGES TO THE RECERTIFICATION TESTING PROGRAM SINCE AUGUST 2017

When there is an unsuccessful completion of the recertification test....

- First time - retake only the recertification test again
- Second time – must retake the test all over as a new applicant
- Based on the results of the test, the testing time frame will be set by the guidelines outlined on the previous slide.
- The conclusion options– Identification, Exclusion, or score the test as an **Incomplete**
- Test participants who choose **Incomplete** will not be forced to make a conclusion, but the test will be marked as an incomplete (similar to the initial certification test) and will be eligible to retest in 6 months.
- To date no applicants have opted to use the **Incomplete** option



THE ELEPHANT IN THE ROOM

Let's Talk About It

RECERTIFICATION TESTING IN RESPONSE TO RECENT POSTINGS

- The LPCB is responsible for testing applicants from multiple countries
- The responsibility of the Board is to provide objective criteria that would apply to all participants
 - Common Denominators (Identification and Exclusion)
 - Inconclusive results are not consistent from agency to agency
- Subjective test results requires a completely different set of guidelines

RECERTIFICATION TESTING IN RESPONSE TO RECENT POSTINGS

- Agencies' policies cannot be considered when establishing the guidelines for the LPCB testing
- Purchasing testing material from an external vendor requires “outsourcing” with I7024 guidelines
- Laboratories utilize PT's to test the laboratory system, not the individual examiner
- “Black Box Study” utilized images that were already orientated and involved close non-matches

RECERTIFICATION TESTING IN RESPONSE TO RECENT POSTINGS

- Certification tests to competency
- Recertification tests to proficiency (ISO definition)
- The Recertification test was designed to be comparable in difficulty and quality as the initial Certification test.
- None of the LPCB tests are designed to have an inherent failure rate.
- As a comparison test, part of the testing process is conducting an accurate analysis and determining the source of the print. Searching is a requirement of comparison activities.

RECERTIFICATION TESTING IN RESPONSE TO RECENT POSTINGS

- All latents have been deemed to contain sufficient data to make a conclusion of either “Identification” or “Exclusion”
- The 9% error rate involves both single error and multiple error test results.
- The method the examiner uses to make the conclusions is determined by the test taker.
- Testing does require an examiner to reach both ends of the conclusion categories. This concept is reflective of casework regardless of agency.
- The Board cannot do a root cause analysis on individual test results, that is the responsibility of the applicant taking the test.

VALIDATION PROCESS

LPCB

- The test was created from ground truth, by an examiner
- Validated by 12 current and past board members without access to the answers
- The board members are representatives from Federal, State, Local laboratories, and Private Companies
- Latents are developed on a 5-year cycle

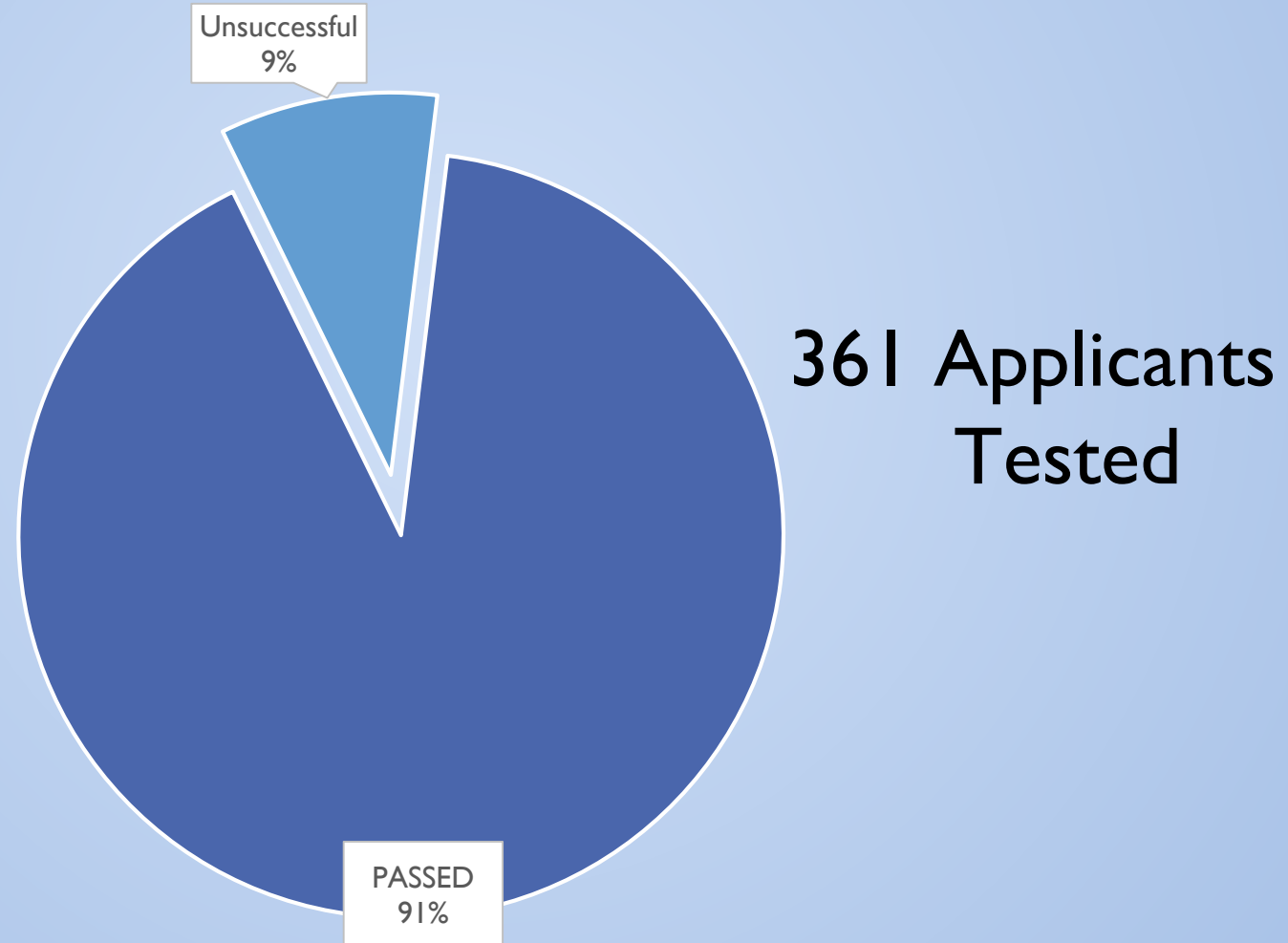
PT

- Proficiency Test Providers that are ISO accredited currently use only external validation from 2 or 3 agencies
- Samples are changed every year with varying degrees of difficulty

SWGFAST definition of Validation – Document 13 4.6.2 – “Validation is accomplished through pre-distribution testing of three or more examiners, preferably from different agencies.”

STATISTICS SINCE APRIL 2016

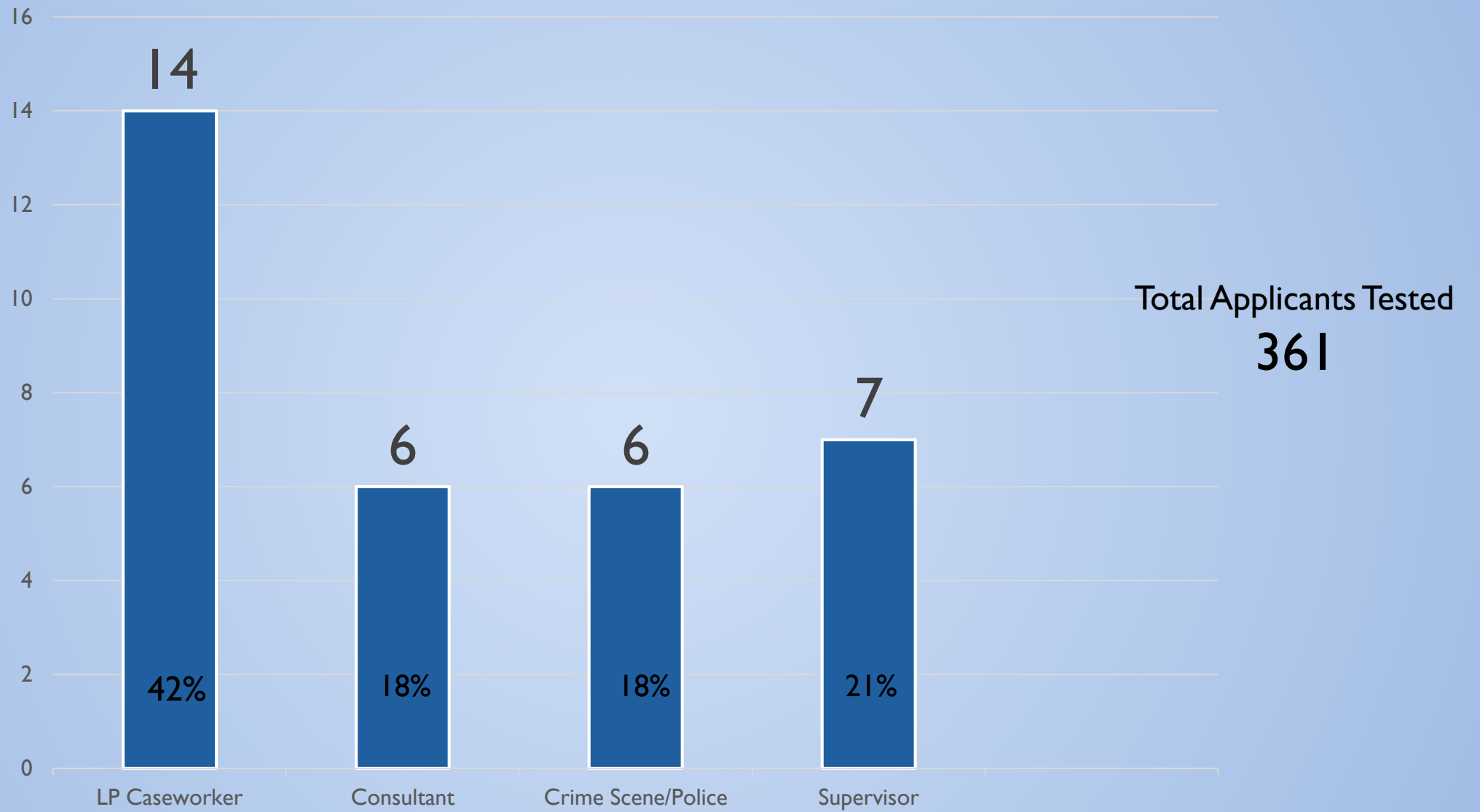
RECERTIFICATION TEST RESULTS



RECERTIFICATION PASS RATES BY YEAR

	NEW
2015	100
2016*	94
2017	92
2018 (YTD)**	91*

**Statistic fluctuates monthly depending on the number of test sent/received monthly



RS&A

SPRING 2018 PROFICIENCY TESTS

Totals

Latent Print #	L-1	L-2	L-3	L-4	L-5	L-6	L-7	L-8	L-9	L-10
Assigned Values	ID K-3 RT	ID K-4 LT	EXC	EXC	EXC	EXC	EXC	EXC	EXC	ID K-3 RT
Consistent Responses	100	100	99	100	88	95	96	95	96	92
Inconsistent Responses	0	0	1	0	12	5	4	5	4	8
Percentage of Consistent Responses	100%	100%	99%	100%	88%	95%	96%	95%	96%	92%

RS&A

2017 PROFICIENCY TESTS - FALL

Totals

Latent Print #	L-1	L-2	L-3	L-4	L-5	L-6	L-7	L-8	L-9	L-10
Assigned Values	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
Consistent Responses	65	65	65	65	64	64	65	65	65	65
Inconsistent Responses	0	0	0	0	1	1	0	0	0	0
Percentage of Consistent Responses	100%	100%	100%	100%	98%	98%	100%	100%	100%	100%

RS&A

2017 PROFICIENCY TESTS – SPRING

Totals

Latent Print #	L-1	L-2	L-3	L-4	L-5	L-6	L-7	L-8	L-9	L-10
Assigned Values	ID K-2 LP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
Consistent Responses	55	55	55	54	55	54	55	55	52	55
Inconsistent Responses	0	0	0	1	0	1	0	0	3	0
Percentage of Consistent Responses	100%	100%	100%	99%	100%	99%	100%	100%	95%	100%

CTS 2018 PROFICIENCY TESTS

Response Summary												Participants: 353
	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12
Consensus:	B, LR	D, RM	NI	A, LP	A, RR	B, RI	C, LP	C, LM	A, RP	D, RI	C, RT	A, RT
Number:	351	353	353	345	342	350	348	350	347	351	337	341
Percent:	99.4%	100.0%	100.0%	97.7%	96.9%	99.2%	98.6%	99.2%	98.3%	99.4%	95.5%	96.6%
Not Identified (NI):	0	0	--	7	10	2	2	2	4	1	14	7
Other Identifications:	2	0	0	1	1	1	3	1	2	1	2	5

CTS 2017 PROFICIENCY TESTS

Response Summary

Participants: 438

	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11
Consensus:	C, LM	D, RM	NI	B, RI	A, RP	A, LM	C, LR	B, LM	D, LL	NI	C, RP
Number:	438	438	438	438	438	438	436	437	429	436	436
Percent:	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	99.5%	99.8%	97.9%	99.5%	99.5%
Not Identified (NI):	0	0	--	0	0	0	0	0	7	--	1
Other Identifications:	0	0	0	0	0	0	2	1	2	2	1

CTS 2016 PROFICIENCY TESTS

Response Summary												Participants: 487
	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12
Consensus:	NI	A, RT	B, RR	A, LM	D, RI	A, RI	B, LP	D, RL	A, RP	B, LT	D, LR	NI
Number:	482	485	485	481	485	479	483	473	480	461	468	485
Percent:	99.0%	99.6%	99.6%	98.8%	99.6%	98.4%	99.2%	97.1%	98.6%	94.7%	96.1%	99.6%
Not Identified (NI):	--	1	1	2	0	5	2	8	7	17	12	--
Other Identifications:	5	1	1	4	2	3	2	6	0	9	7	2

CTS 2016 PROFICIENCY TESTS

Response Summary												Participants: 431
	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12
Consensus:	C, LR	A, LM	B, LM	A, RT	NI	D, RI	B, LM	D, LT	B, LT	C, LP	NI	NI
Number:	428	431	429	430	426	390	430	426	425	427	430	429
Percent:	99.3%	100.0%	99.5%	99.8%	98.8%	90.5%	99.8%	98.8%	98.6%	99.1%	99.8%	99.5%
Not Identified (NI):	0	0	1	0	--	10	0	3	5	1	--	--
Other Identifications:	3	0	1	1	5	31	1	2	1	3	1	2

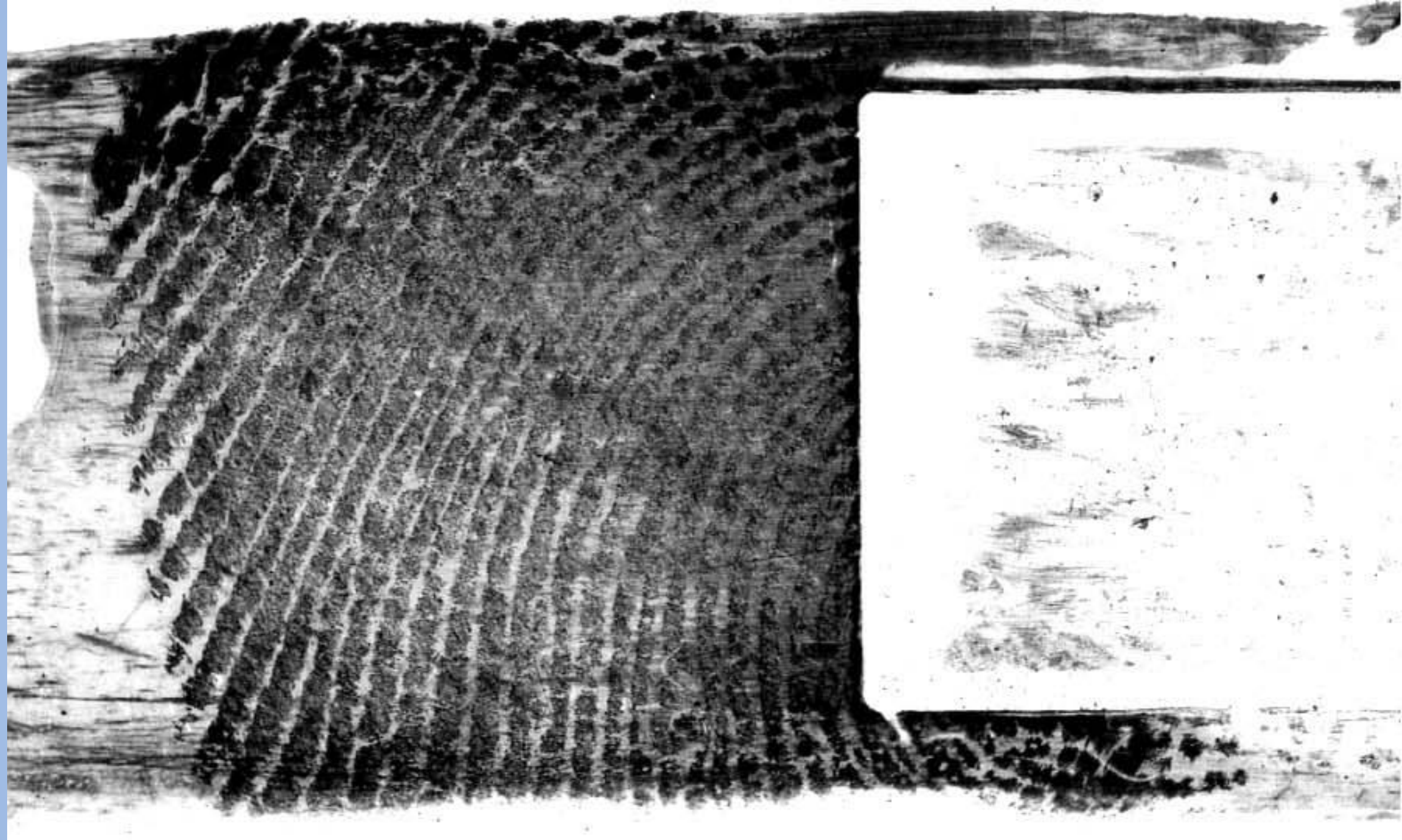
IN THE INTEREST OF TRANSPARENCY...

- Quality factors of all latents and knowns
- Error rates of applicant's conclusions
- Objective data and scope of the Job Tasks and Item Analysis Report pursuant to ISO criteria

12



Substrate: *Utility Knife*



ERRONEOUS CONCLUSIONS #12 (8%)

• Supervisors	4
• Crime Scene/Officers	3
• Consultants	2
• Latent Print Examiners	6
• Total Examiners tested	181



Substrate: *Glass Beer
Bottle*





- UPDATE YOUR PROFILE ON THE eCERT SYSTEM!!
- Provide a current personal email to the account
- Notifications are only made by email regarding renewals
- Lack of notification does not qualify for exemptions on late renewals
- If you are having difficulty logging into eCert, please contact Mary Ballen at the home office (954-589-0628)

OPENINGS FOR LPCB

- The process for board appointments are being revised to ensure compliance with 17024
- The Operations Manual lists the requirements for appointments in 2019
- There are opportunities for election to the board for next year

COMMENTS/QUESTIONS?