



Tenprint Examination

Test No. 21-5141 Summary Report

Each digital sample pack contained twelve single print pairs, eight questioned tenprint cards, and eight tenprint card standards. Participants were asked to compare the two prints within each single print pair to determine whether or not they originated from the same source. They were also asked to compare each questioned tenprint card to the standard cards to determine if any shared a common source. Data were returned from 37 participants and are compiled into the following tables:

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This report contains the data received from the participants in this test. Since these participants are located in many countries around the world, and it is their option how the samples are to be used (e.g., training exercise, known or blind proficiency testing, research and development of new techniques, etc.), the results compiled in the Summary Report are not intended to be an overview of the quality of work performed in the profession and cannot be interpreted as such. The Summary Comments are included for the benefit of participants to assist with maintaining or enhancing the quality of their results. These comments are not intended to reflect the general state of the art within the profession.

Participant results are reported using a randomly assigned "WebCode". This code maintains participant's anonymity, provides linking of the various report sections, and will change with every report.

Manufacturer's Information

Each digital sample pack consisted of twenty questioned fingerprints and tenprint cards for comparison. Items Q1-Q12 contained a series of single print pairs, and Items Q13-Q20 contained tenprint cards for comparison to a pool of standards (A-H). In the first section, participants were asked to compare the single print pairs to determine if both prints originated from a single source. In the second section, participants were asked to compare the questioned tenprint cards to each standard to determine if any shared a common source.

SAMPLE PREPARATION-

Using several anonymized databases containing a limited number of fingerprints, both visual comparison and AFIX comparison software were used to select the single prints and tenprint cards provided in this test.

SINGLE PRINT PAIRS: For non-matching single print pairs, prints with similar first and second-level details were chosen, paired together, and designated as either a questioned or standard item in the pair. For each matching item, uniquely collected prints from the same finger of an individual were paired together.

TENPRINT CARDS: For non-matching tenprint card items, cards with similar first and second-level details were chosen and designated as either a questioned item or a comparison standard. For matching items originating from the same source, each card was designated as either a questioned or comparison standard item.

All prints were digitally resized to scale. The test items were then uploaded to the CTS Portal for download by test participants.

Single Print Pair	Same Source?	Tenprint Card	Match to Standard?
Q1	No	Q13	No
Q2	Yes	Q14	Standard H
Q3	No	Q15	No
Q4	No	Q16	No
Q5	No	Q17	No
Q6	Yes	Q18	No
Q7	No	Q19	No
Q8	No	Q20	No
Q9	Yes		
Q10	Yes		
Q11	No		
Q12	No		

Summary Comments

Each digital sample pack contained a variety of collected single prints and tenprint cards for comparison. The one-to-one section contained twelve pairs of single prints (Q1-Q12). Participants were asked to determine if the two collected prints within each pair originated from a single source. The ten-to-ten section contained eight questioned tenprint cards (Q13-Q20) and a pool of eight standard tenprint cards (A-H). Participants were asked to compare each questioned card to each standard card and determine if any pairing shared a common source.

Of the 37 responding participants, 34 (91.8%) reported the expected responses for all twelve single-print pairs and eight tenprint comparisons. Two participants reported no common source between the single print pairs in Item Q9, which had an expected result of same source. One participant was unable to determine the sourcing for Item Q2, where a result of same source was expected. This participant did not expand upon these findings in the Additional Comments.

Single Print Comparisons

Does each pair of the following collected fingerprints originate from the same source?

TABLE 1 - Item Q1

WebCode	Match	WebCode	Match
2962RK	No	BTYXHC	No
2WE8FQ	No	DGJPVA	No
3GDTVM	No	ECHZQ9	No
44HYPL	No	HMV4NH	No
49HAUK	No	J6PGCA	No
4E46VN	No	JXLDMB	No
4JYYTP	No	KETT94	No
7CQEHP	No	KNJG47	No
7Y6ZEP	No	MKUP69	No
8YLGAJ	No	MUHL7A	No
9LQLCF	No	PJP9K8	No
9PPX9F	No	PRZB78	No
ARVKLJ	No	Q8PZEA	No
BRPQFJ	No	RDC8C9	No

TABLE 1 - Item Q1

WebCode	Match	WebCode	Match
UBEGJY	No		
UZJ697	No		
V7J7NQ	No		
X22Q8X	No		
XLLMNN	No		
XWNVVX	No		
Y2VTCT	No		
YR687U	No		
ZNLDWP	No		

Response Summary - Q1		Total Participants: 37
Match	Total	

Yes	0
No	37
Unable To Determine	0

TABLE 1 - Item Q2

WebCode	Match	WebCode	Match
2962RK	Yes	DGJPVA	Yes
2WE8FQ	Yes	ECHZQ9	Yes
3GDTVM	Yes	HMV4NH	Yes
44HYPL	Yes	J6PGCA	Yes
49HAUK	Yes	JXLDMB	Yes
4E46VN	Yes	KETT94	Yes
4JYYTP	UTD	KNJG47	Yes
7CQEHP	Yes	MKUP69	Yes
7Y6ZEP	Yes	MUHL7A	Yes
8YLGAJ	Yes	PJP9K8	Yes
9LQLCF	Yes	PRZB78	Yes
9PPX9F	Yes	Q8PZEA	Yes
ARVKLJ	Yes	RDC8C9	Yes
BRPQFJ	Yes	UBEGJY	Yes
BTYXHC	Yes	UZJ697	Yes

TABLE 1 - Item Q2

WebCode	Match	WebCode	Match
V7J7NQ	Yes		
X22Q8X	Yes		
XLLMNN	Yes		
XWNBKX	Yes		
Y2VTCT	Yes		
YR687U	Yes		
ZNLDWP	Yes		

Response Summary - Q2		Total Participants: 37
Match	Total	

Yes	36
No	0
Unable To Determine	1

TABLE 1 - Item Q3

WebCode	Match	WebCode	Match
2962RK	No	DGJPVA	No
2WE8FQ	No	ECHZQ9	No
3GDTVM	No	HMV4NH	No
44HYPL	No	J6PGCA	No
49HAUK	No	JXLDMB	No
4E46VN	No	KETT94	No
4JYYTP	No	KNJG47	No
7CQEHP	No	MKUP69	No
7Y6ZEP	No	MUHL7A	No
8YLGAI	No	PJP9K8	No
9LQLCF	No	PRZB78	No
9PPX9F	No	Q8PZEA	No
ARVKLJ	No	RDC8C9	No
BRPQFJ	No	UBEGJY	No
BTYXHC	No	UZJ697	No

TABLE 1 - Item Q3

WebCode	Match	WebCode	Match
V7J7NQ	No		
X22Q8X	No		
XLLMNN	No		
XWNVKX	No		
Y2VTCT	No		
YR687U	No		
ZNLDWP	No		

Response Summary - Q3		Total Participants: 37
Match	Total	

Yes	0
No	37
Unable To Determine	0

TABLE 1 - Item Q4

WebCode	Match	WebCode	Match
2962RK	No	DGJPVA	No
2WE8FQ	No	ECHZQ9	No
3GDTVM	No	HMV4NH	No
44HYPL	No	J6PGCA	No
49HAUK	No	JXLDMB	No
4E46VN	No	KETT94	No
4JYYTP	No	KNJG47	No
7CQEHP	No	MKUP69	No
7Y6ZEP	No	MUHL7A	No
8YLGAI	No	PJP9K8	No
9LQLCF	No	PRZB78	No
9PPX9F	No	Q8PZEA	No
ARVKLJ	No	RDC8C9	No
BRPQFJ	No	UBEGJY	No
BTYXHC	No	UZJ697	No

TABLE 1 - Item Q4

WebCode	Match	WebCode	Match
V7J7NQ	No		
X22Q8X	No		
XLLMNN	No		
XWNVKX	No		
Y2VTCT	No		
YR687U	No		
ZNLDWP	No		

Response Summary - Q4		Total Participants: 37
Match	Total	

Yes	0
No	37
Unable To Determine	0

TABLE 1 - Item Q5

WebCode	Match	WebCode	Match
2962RK	No	DGJPVA	No
2WE8FQ	No	ECHZQ9	No
3GDTVM	No	HMV4NH	No
44HYPL	No	J6PGCA	No
49HAUK	No	JXLDMB	No
4E46VN	No	KETT94	No
4JYYTP	No	KNJG47	No
7CQEHP	No	MKUP69	No
7Y6ZEP	No	MUHL7A	No
8YLGAI	No	PJP9K8	No
9LQLCF	No	PRZB78	No
9PPX9F	No	Q8PZEA	No
ARVKLJ	No	RDC8C9	No
BRPQFJ	No	UBEGJY	No
BTYXHC	No	UZJ697	No

TABLE 1 - Item Q5

WebCode	Match	WebCode	Match
V7J7NQ	No		
X22Q8X	No		
XLLMNN	No		
XWNBKWX	No		
Y2VTCT	No		
YR687U	No		
ZNLDWP	No		

Response Summary - Q5		Total Participants: 37
Match	Total	

Yes	0
No	37
Unable To Determine	0

TABLE 1 - Item Q6

WebCode	Match	WebCode	Match
2962RK	Yes	DGJPVA	Yes
2WE8FQ	Yes	ECHZQ9	Yes
3GDTVM	Yes	HMV4NH	Yes
44HYPL	Yes	J6PGCA	Yes
49HAUK	Yes	JXLDMB	Yes
4E46VN	Yes	KETT94	Yes
4JYYTP	Yes	KNJG47	Yes
7CQEHP	Yes	MKUP69	Yes
7Y6ZEP	Yes	MUHL7A	Yes
8YLGAJ	Yes	PJP9K8	Yes
9LQLCF	Yes	PRZB78	Yes
9PPX9F	Yes	Q8PZEA	Yes
ARVKLJ	Yes	RDC8C9	Yes
BRPQFJ	Yes	UBEGJY	Yes
BTYXHC	Yes	UZJ697	Yes

TABLE 1 - Item Q6

WebCode	Match	WebCode	Match
V7J7NQ	Yes		
X22Q8X	Yes		
XLLMNN	Yes		
XWNBKX	Yes		
Y2VTCT	Yes		
YR687U	Yes		
ZNLDWP	Yes		

Response Summary - Q6		Total Participants: 37
Match	Total	

Yes	37
No	0
Unable To Determine	0

TABLE 1 - Item Q7

WebCode	Match	WebCode	Match
2962RK	No	DGJPVA	No
2WE8FQ	No	ECHZQ9	No
3GDTVM	No	HMV4NH	No
44HYPL	No	J6PGCA	No
49HAUK	No	JXLDMB	No
4E46VN	No	KETT94	No
4JYYTP	No	KNJG47	No
7CQEHP	No	MKUP69	No
7Y6ZEP	No	MUHL7A	No
8YLGAI	No	PJP9K8	No
9LQLCF	No	PRZB78	No
9PPX9F	No	Q8PZEA	No
ARVKLJ	No	RDC8C9	No
BRPQFJ	No	UBEGJY	No
BTYXHC	No	UZJ697	No

TABLE 1 - Item Q7

WebCode	Match	WebCode	Match
V7J7NQ	No		
X22Q8X	No		
XLLMNN	No		
XWNVKX	No		
Y2VTCT	No		
YR687U	No		
ZNLDWP	No		

Response Summary - Q7		Total Participants: 37
Match	Total	

Yes	0
No	37
Unable To Determine	0

TABLE 1 - Item Q8

WebCode	Match	WebCode	Match
2962RK	No	DGJPVA	No
2WE8FQ	No	ECHZQ9	No
3GDTVM	No	HMV4NH	No
44HYPL	No	J6PGCA	No
49HAUK	No	JXLDMB	No
4E46VN	No	KETT94	No
4JYYTP	No	KNJG47	No
7CQEHP	No	MKUP69	No
7Y6ZEP	No	MUHL7A	No
8YLGAJ	No	PJP9K8	No
9LQLCF	No	PRZB78	No
9PPX9F	No	Q8PZEA	No
ARVKLJ	No	RDC8C9	No
BRPQFJ	No	UBEGJY	No
BTYXHC	No	UZJ697	No

TABLE 1 - Item Q8

WebCode	Match	WebCode	Match
V7J7NQ	No		
X22Q8X	No		
XLLMNN	No		
XWNVKX	No		
Y2VTCT	No		
YR687U	No		
ZNLDWP	No		

Response Summary - Q8		Total Participants: 37
Match	Total	

Yes	0
No	37
Unable To Determine	0

TABLE 1 - Item Q9

WebCode	Match	WebCode	Match
2962RK	Yes	DGJPVA	Yes
2WE8FQ	Yes	ECHZQ9	Yes
3GDTVM	No	HMV4NH	Yes
44HYPL	Yes	J6PGCA	Yes
49HAUK	Yes	JXLDMB	Yes
4E46VN	Yes	KETT94	Yes
4JYYTP	Yes	KNJG47	Yes
7CQEHP	Yes	MKUP69	Yes
7Y6ZEP	Yes	MUHL7A	No
8YLGAJ	Yes	PJP9K8	Yes
9LQLCF	Yes	PRZB78	Yes
9PPX9F	Yes	Q8PZEA	Yes
ARVKLJ	Yes	RDC8C9	Yes
BRPQFJ	Yes	UBEGJY	Yes
BTYXHC	Yes	UZJ697	Yes

TABLE 1 - Item Q9

WebCode	Match	WebCode	Match
V7J7NQ	Yes		
X22Q8X	Yes		
XLLMNN	Yes		
XWNBKX	Yes		
Y2VTCT	Yes		
YR687U	Yes		
ZNLDWP	Yes		

Response Summary - Q9		Total Participants: 37
Match	Total	

Yes	35
No	2
Unable To Determine	0

TABLE 1 - Item Q10

WebCode	Match	WebCode	Match
2962RK	Yes	DGJPVA	Yes
2WE8FQ	Yes	ECHZQ9	Yes
3GDTVM	Yes	HMV4NH	Yes
44HYPL	Yes	J6PGCA	Yes
49HAUK	Yes	JXLDMB	Yes
4E46VN	Yes	KETT94	Yes
4JYYTP	Yes	KNJG47	Yes
7CQEHP	Yes	MKUP69	Yes
7Y6ZEP	Yes	MUHL7A	Yes
8YLGAJ	Yes	PJP9K8	Yes
9LQLCF	Yes	PRZB78	Yes
9PPX9F	Yes	Q8PZEA	Yes
ARVKLJ	Yes	RDC8C9	Yes
BRPQFJ	Yes	UBEGJY	Yes
BTYXHC	Yes	UZJ697	Yes

TABLE 1 - Item Q10

WebCode	Match	WebCode	Match
V7J7NQ	Yes		
X22Q8X	Yes		
XLLMNN	Yes		
XWNBKX	Yes		
Y2VTCT	Yes		
YR687U	Yes		
ZNLDWP	Yes		

Response Summary - Q10		Total Participants: 37
Match	Total	

Yes	37
No	0
Unable To Determine	0

TABLE 1 - Item Q11

WebCode	Match	WebCode	Match
2962RK	No	DGJPVA	No
2WE8FQ	No	ECHZQ9	No
3GDTVM	No	HMV4NH	No
44HYPL	No	J6PGCA	No
49HAUK	No	JXLDMB	No
4E46VN	No	KETT94	No
4JYYTP	No	KNJG47	No
7CQEHP	No	MKUP69	No
7Y6ZEP	No	MUHL7A	No
8YLGAJ	No	PJP9K8	No
9LQLCF	No	PRZB78	No
9PPX9F	No	Q8PZEA	No
ARVKLJ	No	RDC8C9	No
BRPQFJ	No	UBEGJY	No
BTYXHC	No	UZJ697	No

TABLE 1 - Item Q11

WebCode	Match	WebCode	Match
V7J7NQ	No		
X22Q8X	No		
XLLMNN	No		
XWNBKX	No		
Y2VTCT	No		
YR687U	No		
ZNLDWP	No		

Response Summary - Q11		Total Participants: 37
Match	Total	

Yes	0
No	37
Unable To Determine	0

TABLE 1 - Item Q12

WebCode	Match	WebCode	Match
2962RK	No	DGJPVA	No
2WE8FQ	No	ECHZQ9	No
3GDTVM	No	HMV4NH	No
44HYPL	No	J6PGCA	No
49HAUK	No	JXLDMB	No
4E46VN	No	KETT94	No
4JYYTP	No	KNJG47	No
7CQEHP	No	MKUP69	No
7Y6ZEP	No	MUHL7A	No
8YLGAI	No	PJP9K8	No
9LQLCF	No	PRZB78	No
9PPX9F	No	Q8PZEA	No
ARVKLJ	No	RDC8C9	No
BRPQFJ	No	UBEGJY	No
BTYXHC	No	UZJ697	No

TABLE 1 - Item Q12

WebCode	Match	WebCode	Match
V7J7NQ	No		
X22Q8X	No		
XLLMNN	No		
XWNBKX	No		
Y2VTCT	No		
YR687U	No		
ZNLDWP	No		

Response Summary - Q12		Total Participants: 37
Match	Total	

Yes	0
No	37
Unable To Determine	0

Tenprint Comparisons

Do any of the Questioned tenprint cards (Q13-Q20) share a common source with any of the standard tenprint cards (A-H)?

TABLE 2 - Item Q13

WebCode	Match	Source	WebCode	Match	Source
2962RK	No		BTYXHC	No	
2WE8FQ	No		DGJPVA	No	
3GDTVM	No		ECHZQ9	No	
44HYPL	No		HMV4NH	No	
49HAUK	No		J6PGCA	No	
4E46VN	No		JXLDMB	No	
4JYYTP	No		KETT94	No	
7CQEHP	No		KNJG47	No	
7Y6ZEP	No		MKUP69	No	
8YLG AJ	No		MUHL7A	No	
9LQLCF	No		PJP9K8	No	
9PPX9F	No		PRZB78	No	
ARVKLJ	No		Q8PZEA	No	
BRPQFJ	No		RDC8C9	No	

TABLE 2 - Item Q13

WebCode	Match	Source	WebCode	Match	Source
UBEGJY	No				
UZJ697	No				
V7J7NQ	No				
X22Q8X	No				
XLLMNN	No				
XWNVX	No				
Y2VTCT	No				
YR687U	No				
ZNLDWP	No				

Response Summary - Q13		Total Participants: 37	
Match	Total	Source	
Yes	0	(N/A for non-associations)	
No	37		
Unable To Determine	0		

TABLE 2 - Item Q14

WebCode	Match	Source	WebCode	Match	Source
2962RK	Yes	H	DGJPVA	Yes	H
2WE8FQ	Yes	H	ECHZQ9	Yes	H
3GDTVM	Yes	H	HMV4NH	Yes	H
44HYPL	Yes	H	J6PGCA	Yes	H
49HAUK	Yes	H	JXLDMB	Yes	H
4E46VN	Yes	H	KETT94	Yes	H
4JYYTP	Yes	H	KNJG47	Yes	H
7CQEHP	Yes	H	MKUP69	Yes	H
7Y6ZEP	Yes	H	MUHL7A	Yes	H
8YLGAI	Yes	H	PJP9K8	Yes	H
9LQLCF	Yes	H	PRZB78	Yes	H
9PPX9F	Yes	H	Q8PZEA	Yes	H
ARVKLI	Yes	H	RDC8C9	Yes	H
BRPQFJ	Yes	H	UBEGJY	Yes	H
BTYXHC	Yes	H	UZJ697	Yes	H

TABLE 2 - Item Q14

WebCode	Match	Source	WebCode	Match	Source
V7J7NQ	Yes	H			
X22Q8X	Yes	H			
XLLMNN	Yes	H			
XWNVX	Yes	H			
Y2VTCT	Yes	H			
YR687U	Yes	H			
ZNLDWP	Yes	H			

Response Summary - Q14			Total Participants: 37
Match	Total	Source	
Yes	37	H (37)	
No	0		
Unable To Determine	0		

TABLE 2 - Item Q15

WebCode	Match	Source	WebCode	Match	Source
2962RK	No		DGJPVA	No	
2WE8FQ	No		ECHZQ9	No	
3GDTVM	No		HMV4NH	No	
44HYPL	No		J6PGCA	No	
49HAUK	No		JXLDMB	No	
4E46VN	No		KETT94	No	
4JYYTP	No		KNJG47	No	
7CQEHP	No		MKUP69	No	
7Y6ZEP	No		MUHL7A	No	
8YLGAI	No		PJP9K8	No	
9LQLCF	No		PRZB78	No	
9PPX9F	No		Q8PZEA	No	
ARVKLI	No		RDC8C9	No	
BRPQFJ	No		UBEGJY	No	
BTYXHC	No		UZJ697	No	

TABLE 2 - Item Q15

WebCode	Match	Source	WebCode	Match	Source
V7J7NQ	No				
X22Q8X	No				
XLLMNN	No				
XWNVKX	No				
Y2VTCT	No				
YR687U	No				
ZNLDWP	No				

Response Summary - Q15			Total Participants: 37
Match	Total	Source	
Yes	0	(N/A for non-associations)	
No	37		
Unable To Determine	0		

TABLE 2 - Item Q16

WebCode	Match	Source	WebCode	Match	Source
2962RK	No		DGJPVA	No	
2WE8FQ	No		ECHZQ9	No	
3GDTVM	No		HMV4NH	No	
44HYPL	No		J6PGCA	No	
49HAUK	No		JXLDMB	No	
4E46VN	No		KETT94	No	
4JYYTP	No		KNJG47	No	
7CQEHP	No		MKUP69	No	
7Y6ZEP	No		MUHL7A	No	
8YLGAI	No		PJP9K8	No	
9LQLCF	No		PRZB78	No	
9PPX9F	No		Q8PZEA	No	
ARVKLI	No		RDC8C9	No	
BRPQFJ	No		UBEGJY	No	
BTYXHC	No		UZJ697	No	

TABLE 2 - Item Q16

WebCode	Match	Source	WebCode	Match	Source
V7J7NQ	No				
X22Q8X	No				
XLLMNN	No				
XWNVKX	No				
Y2VTCT	No				
YR687U	No				
ZNLDWP	No				

Response Summary - Q16			Total Participants: 37
Match	Total	Source	
Yes	0	(N/A for non-associations)	
No	37		
Unable To Determine	0		

TABLE 2 - Item Q17

WebCode	Match	Source	WebCode	Match	Source
2962RK	No		DGJPVA	No	
2WE8FQ	No		ECHZQ9	No	
3GDTVM	No		HMV4NH	No	
44HYPL	No		J6PGCA	No	
49HAUK	No		JXLDMB	No	
4E46VN	No		KETT94	No	
4JYYTP	No		KNJG47	No	
7CQEHP	No		MKUP69	No	
7Y6ZEP	No		MUHL7A	No	
8YLGAI	No		PJP9K8	No	
9LQLCF	No		PRZB78	No	
9PPX9F	No		Q8PZEA	No	
ARVKLI	No		RDC8C9	No	
BRPQFJ	No		UBEGJY	No	
BTYXHC	No		UZJ697	No	

TABLE 2 - Item Q17

WebCode	Match	Source	WebCode	Match	Source
V7J7NQ	No				
X22Q8X	No				
XLLMNN	No				
XWNVKX	No				
Y2VTCT	No				
YR687U	No				
ZNLDWP	No				

Response Summary - Q17			Total Participants: 37
Match	Total	Source	
Yes	0	(N/A for non-associations)	
No	37		
Unable To Determine	0		

TABLE 2 - Item Q18

WebCode	Match	Source	WebCode	Match	Source
2962RK	No		DGJPVA	No	
2WE8FQ	No		ECHZQ9	No	
3GDTVM	No		HMV4NH	No	
44HYPL	No		J6PGCA	No	
49HAUK	No		JXLDMB	No	
4E46VN	No		KETT94	No	
4JYYTP	No		KNJG47	No	
7CQEHP	No		MKUP69	No	
7Y6ZEP	No		MUHL7A	No	
8YLGAI	No		PJP9K8	No	
9LQLCF	No		PRZB78	No	
9PPX9F	No		Q8PZEA	No	
ARVKLI	No		RDC8C9	No	
BRPQFJ	No		UBEGJY	No	
BTYXHC	No		UZJ697	No	

TABLE 2 - Item Q18

WebCode	Match	Source	WebCode	Match	Source
V7J7NQ	No				
X22Q8X	No				
XLLMNN	No				
XWNVKX	No				
Y2VTCT	No				
YR687U	No				
ZNLDWP	No				

Response Summary - Q18			Total Participants: 37
Match	Total	Source	
Yes	0	(N/A for non-associations)	
No	37		
Unable To Determine	0		

TABLE 2 - Item Q19

WebCode	Match	Source	WebCode	Match	Source
2962RK	No		DGJPVA	No	
2WE8FQ	No		ECHZQ9	No	
3GDTVM	No		HMV4NH	No	
44HYPL	No		J6PGCA	No	
49HAUK	No		JXLDMB	No	
4E46VN	No		KETT94	No	
4JYYTP	No		KNJG47	No	
7CQEHP	No		MKUP69	No	
7Y6ZEP	No		MUHL7A	No	
8YLGAI	No		PJP9K8	No	
9LQLCF	No		PRZB78	No	
9PPX9F	No		Q8PZEA	No	
ARVKLI	No		RDC8C9	No	
BRPQFJ	No		UBEGJY	No	
BTYXHC	No		UZJ697	No	

TABLE 2 - Item Q19

WebCode	Match	Source	WebCode	Match	Source
V7J7NQ	No				
X22Q8X	No				
XLLMNN	No				
XWNVKX	No				
Y2VTCT	No				
YR687U	No				
ZNLDWP	No				

Response Summary - Q19			Total Participants: 37
Match	Total	Source	
Yes	0	(N/A for non-associations)	
No	37		
Unable To Determine	0		

TABLE 2 - Item Q20

WebCode	Match	Source	WebCode	Match	Source
2962RK	No		DGJPVA	No	
2WE8FQ	No		ECHZQ9	No	
3GDTVM	No		HMV4NH	No	
44HYPL	No		J6PGCA	No	
49HAUK	No		JXLDMB	No	
4E46VN	No		KETT94	No	
4JYYTP	No		KNJG47	No	
7CQEHP	No		MKUP69	No	
7Y6ZEP	No		MUHL7A	No	
8YLGAI	No		PJP9K8	No	
9LQLCF	No		PRZB78	No	
9PPX9F	No		Q8PZEA	No	
ARVKLI	No		RDC8C9	No	
BRPQFJ	No		UBEGJY	No	
BTYXHC	No		UZJ697	No	

TABLE 2 - Item Q20

WebCode	Match	Source	WebCode	Match	Source
V7J7NQ	No				
X22Q8X	No				
XLLMNN	No				
XWNVKX	No				
Y2VTCT	No				
YR687U	No				
ZNLDWP	No				

Response Summary - Q20			Total Participants: 37
Match	Total	Source	
Yes	0	(N/A for non-associations)	
No	37		
Unable To Determine	0		

Additional Comments

TABLE 3

WebCode	Additional Comments
49HAUK	Great exam.
V7J7NQ	It would be so much better if we could lighten and darken the prints. Also, I see that we can now turn the prints but only in large 90 degree angles which doesn't help when we only need to turn the print slightly. It makes me really uncomfortable to not have access to these things.

-End of Report-
(Appendix may follow)

Collaborative Testing Services ~ Forensic Testing Program

Test No. 21-5141: Tenprint Examination

DATA MUST BE SUBMITTED BY **July 6, 2021, 11:59 p.m.** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A

WebCode: J7HACY

Scenario:

The following prints, including single-print card pairs and tenprint cards, are in need of manual comparison. For the single prints, please compare the like-numbered Questioned and Standard print pairs to determine if they originate from the same source. For the tenprint cards, please compare each Questioned item to the pool of Standard items to determine if any of the Questioned tenprint cards share a common source with any of the Standard tenprint cards.

For the single print pairs, open the like-numbered Questioned and Standard files and compare the two prints.

For the tenprint cards, open a Questioned file and compare it to each Standard file. If a match is found, indicate the letter of the Standard card that was identified as sharing a common source with the Questioned card.

The files within the 'TIF' and 'JPG' folders are the same items, just provided in different formats.

For this test, you are not limited to conducting only on-screen comparisons and may employ any other method you wish. However, because of differences in printing technology, CTS cannot guarantee the quality of images you print from the digital media.

Items Submitted (Sample Pack TPE):

Items Q1-Q12: Twelve single-print card pairs, in TIF and JPG formats.

Items Q13-Q20: Eight questioned tenprint cards, in TIF and JPG formats.

Items A-H: Eight standard tenprint cards for comparison to Q13-Q20, in TIF and JPG formats.

To verify a complete and accurate download, the hash value for the downloaded .ZIP file is as follows:

21-5141 Tenprint Examination.zip MD5 hash value: 8d3f20630c475d5b4624fa0f88fc09fc

21-5141 Tenprint Examination.zip SHA1 hash value: 84b76f910798822061a671edc872754480a50cae

1.) Does each pair of the following collected single-print cards originate from the same source?

*If "Unable to Determine" is selected, please explain your reasoning in the Additional Comments.

	Yes	No	Unable to Determine*
Q1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Q2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Q3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Q4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Yes	No	Unable to Determine*
Q5	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Q6	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Q7	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Q8	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Yes	No	Unable to Determine*
Q9	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Q10	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Q11	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Q12	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

2.) Do any of the Questioned tenprint cards (Q13-Q20) share a common source with any of the Standard tenprint cards (A-H)? If so, please identify the letter of the Standard card with which a common source is shared.

*If "Unable to Determine" is selected, please explain your reasoning in the Additional Comments.

	Yes	No	Unable to Determine*
Q13	<input type="radio"/> <input type="text"/>	<input type="radio"/>	<input type="radio"/>
Q14	<input type="radio"/> <input type="text"/>	<input type="radio"/>	<input type="radio"/>
Q15	<input type="radio"/> <input type="text"/>	<input type="radio"/>	<input type="radio"/>
Q16	<input type="radio"/> <input type="text"/>	<input type="radio"/>	<input type="radio"/>

	Yes	No	Unable to Determine*
Q17	<input type="radio"/> <input type="text"/>	<input type="radio"/>	<input type="radio"/>
Q18	<input type="radio"/> <input type="text"/>	<input type="radio"/>	<input type="radio"/>
Q19	<input type="radio"/> <input type="text"/>	<input type="radio"/>	<input type="radio"/>
Q20	<input type="radio"/> <input type="text"/>	<input type="radio"/>	<input type="radio"/>

3.) Additional Comments

Please note: Any additional formatting applied in the free form space below will not transfer to the Summary Report and may cause your information to be illegible. This includes additional spacing and returns that present your responses in lists and tabular formats.

RELEASE OF DATA TO ACCREDITATION BODIES

The Accreditation Release is accessed by pressing the "Continue to Final Submission" button online and can be completed at any time prior to submission to CTS.

CTS submits external proficiency test data directly to ASCLD/LAB, ANAB, and/or A2LA. Please select one of the following statements to ensure your data is handled appropriately.

- This participant's data is intended for submission to ASCLD/LAB, ANAB, and/or A2LA. (Accreditation Release section below must be completed.)
- This participant's data is **not** intended for submission to ASCLD/LAB, ANAB, and/or A2LA.

Have the laboratory's designated individual complete the following steps **only if your laboratory is accredited in this testing/calibration discipline** by one or more of the following Accreditation Bodies.

Step 1: Provide the applicable Accreditation Certificate Number(s) for your laboratory.

ANAB Certificate No.
(Include ASCLD/LAB Certificate here)

A2LA Certificate No.

Step 2: Complete the Laboratory Identifying Information in its entirety.

Authorized Contact Person and Title

Laboratory Name

Location (City/State)