



Tenprint Examination

Test No. 19-514 Summary Report

Each 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 35 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 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-

Utilizing 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 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	No	Q14	Standard G
Q3	No	Q15	No
Q4	Yes	Q16	No
Q5	Yes	Q17	No
Q6	No	Q18	No
Q7	No	Q19	Standard C
Q8	No	Q20	No
Q9	No		
Q10	No		
Q11	No		
Q12	Yes		

Summary Comments

Each digital sample pack contained a variety of collected single prints and tenprint cards for comparison. The one-to-one section contained 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 35 responding participants, 31 (88.6%) reported the expected responses for all twelve single-print pairs and eight tenprint cards. Three participants determined that one or more related pair of prints did not share a common source. Within those three, one participant also determined that unrelated prints in one or more single print pair(s) shared a common source. Finally, one participant was unable to determine any association for the questioned print Q20, but did not expand upon this response 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
39NJTU	No	HR8K79	No
3YLXTM	No	HVAJG2	No
4PCYP7	No	J6RM27	No
6ENGGP	No	JG6MXY	No
A7ZE3A	No	L27GH2	No
ALDN4D	No	MNBMKX	No
AREZYB	No	N382H7	No
BKU4WL	No	NCGTNU	No
BTNAPM	No	NDT7Q6	No
C6EHMF	No	RAD6WU	No
EBFGBA	No	RJBNPR	No
GB4NA4	No	T24ZK4	No
GKEQV6	No	TEBYKP	No
GLQPPE	No	U3TNHP	No

TABLE 1 - Item Q1

WebCode	Match	WebCode	Match
UGP3FX	No		
UR9GJZ	No		
VTY3PW	No		
WDZD9Q	No		
XULF4K	No		
Z8HGUV	No		
ZPMN9T	No		

Response Summary - Q1		Total Participants: 35
Match	Total	

Yes	0
No	35
Unable To Determine	0

TABLE 1 - Item Q2

WebCode	Match	WebCode	Match
39NJTU	No	HVAJG2	No
3YLXTM	No	J6RM27	No
4PCYP7	No	JG6MX Y	No
6ENGGP	No	L27GH2	No
A7ZE3A	No	MNB MKX	No
ALDN4D	No	N382H7	No
AREZYB	No	NCGTNU	No
BKU4WL	No	NDT7Q6	No
BTNAPM	No	RAD6WU	No
C6EHMF	No	RJBNPR	No
EBFGBA	No	T24ZK4	No
GB4NA4	No	TEBYKP	No
GKEQV6	No	U3TNHP	No
GLQPPE	No	UGP3FX	No
HR8K79	No	UR9GJZ	No

TABLE 1 - Item Q2

WebCode	Match	WebCode	Match
VTY3PW	No		
WDZD9Q	No		
XULF4K	No		
Z8HGUQ	No		
ZPMN9T	No		

Response Summary - Q2		Total Participants: 35
Match	Total	

Yes	0
No	35
Unable To Determine	0

TABLE 1 - Item Q3

WebCode	Match	WebCode	Match
39NJTU	No	HVAJG2	No
3YLXTM	No	J6RM27	No
4PCYP7	No	JG6MXY	No
6ENGGP	No	L27GH2	No
A7ZE3A	No	MNBMKX	No
ALDN4D	No	N382H7	No
AREZYB	No	NCGTNU	No
BKU4WL	No	NDT7Q6	No
BTNAPM	No	RAD6WU	No
C6EHMF	No	RJBNPR	No
EBFGBA	No	T24ZK4	No
GB4NA4	No	TEBYKP	No
GKEQV6	No	U3TNHP	No
GLQPPE	No	UGP3FX	No
HR8K79	No	UR9GJZ	No

TABLE 1 - Item Q3

WebCode	Match	WebCode	Match
VTY3PW	No		
WDZD9Q	No		
XULF4K	No		
Z8HGUQ	No		
ZPMN9T	No		

Response Summary - Q3		Total Participants: 35
Match	Total	

Yes	0
No	35
Unable To Determine	0

TABLE 1 - Item Q4

WebCode	Match	WebCode	Match
39NJTU	Yes	HVAJG2	Yes
3YLXTM	Yes	J6RM27	Yes
4PCYP7	Yes	JG6MXV	Yes
6ENGGP	Yes	L27GH2	Yes
A7ZE3A	Yes	MNBMKX	Yes
ALDN4D	Yes	N382H7	Yes
AREZYB	Yes	NCGTNU	Yes
BKU4WL	Yes	NDT7Q6	Yes
BTNAPM	Yes	RAD6WU	Yes
C6EHMF	Yes	RJBNPR	Yes
EBFGBA	Yes	T24ZK4	Yes
GB4NA4	Yes	TEBYKP	Yes
GKEQV6	Yes	U3TNHP	Yes
GLQPPE	Yes	UGP3FX	Yes
HR8K79	Yes	UR9GJZ	Yes

TABLE 1 - Item Q4

WebCode	Match	WebCode	Match
VTY3PW	Yes		
WDZD9Q	Yes		
XULF4K	Yes		
Z8HGUQ	Yes		
ZPMN9T	Yes		

Response Summary - Q4		Total Participants: 35
Match	Total	

Yes	35
No	0
Unable To Determine	0

TABLE 1 - Item Q5

WebCode	Match	WebCode	Match
39NJTU	Yes	HVAJG2	Yes
3YLXTM	Yes	J6RM27	Yes
4PCYP7	Yes	JG6MX Y	Yes
6ENGGP	Yes	L27GH2	Yes
A7ZE3A	Yes	MNB MKX	Yes
ALDN4D	Yes	N382H7	Yes
AREZYB	Yes	NCGTNU	Yes
BKU4WL	Yes	NDT7Q6	Yes
BTNAPM	Yes	RAD6WU	Yes
C6EHMF	Yes	RJBNPR	Yes
EBFGBA	Yes	T24ZK4	Yes
GB4NA4	Yes	TEBYKP	Yes
GKEQV6	Yes	U3TNHP	Yes
GLQPPE	No	UGP3FX	Yes
HR8K79	Yes	UR9GJZ	Yes

TABLE 1 - Item Q5

WebCode	Match	WebCode	Match
VTY3PW	Yes		
WDZD9Q	Yes		
XULF4K	Yes		
Z8HGUQ	Yes		
ZPMN9T	Yes		

Response Summary - Q5		Total Participants: 35
Match	Total	

Yes	34
No	1
Unable To Determine	0

TABLE 1 - Item Q6

WebCode	Match	WebCode	Match
39NJTU	No	HVAJG2	No
3YLXTM	No	J6RM27	No
4PCYP7	No	JG6MX Y	No
6ENGGP	No	L27GH2	No
A7ZE3A	No	MNB MKX	No
ALDN4D	No	N382H7	No
AREZYB	No	NCGTNU	No
BKU4WL	No	NDT7Q6	No
BTNAPM	No	RAD6WU	No
C6EHMF	No	RJBNPR	No
EBFGBA	No	T24ZK4	No
GB4NA4	No	TEBYKP	No
GKEQV6	No	U3TNHP	No
GLQPPE	No	UGP3FX	No
HR8K79	No	UR9GJZ	No

TABLE 1 - Item Q6

WebCode	Match	WebCode	Match
VTY3PW	No		
WDZD9Q	No		
XULF4K	No		
Z8HGUQ	No		
ZPMN9T	No		

Response Summary - Q6		Total Participants: 35
Match	Total	

Yes	0
No	35
Unable To Determine	0

TABLE 1 - Item Q7

WebCode	Match	WebCode	Match
39NJTU	No	HVAJG2	No
3YLXTM	No	J6RM27	No
4PCYP7	No	JG6MXV	No
6ENGGP	No	L27GH2	No
A7ZE3A	No	MNBMKX	No
ALDN4D	No	N382H7	No
AREZYB	No	NCGTNU	No
BKU4WL	No	NDT7Q6	No
BTNAPM	No	RAD6WU	No
C6EHMF	No	RJBNPR	No
EBFGBA	No	T24ZK4	No
GB4NA4	No	TEBYKP	No
GKEQV6	No	U3TNHP	No
GLQPPE	No	UGP3FX	No
HR8K79	No	UR9GJZ	No

TABLE 1 - Item Q7

WebCode	Match	WebCode	Match
VTY3PW	No		
WDZD9Q	No		
XULF4K	No		
Z8HGUQ	No		
ZPMN9T	No		

Response Summary - Q7		Total Participants: 35
Match	Total	

Yes	0
No	35
Unable To Determine	0

TABLE 1 - Item Q8

WebCode	Match	WebCode	Match
39NJTU	No	HVAJG2	No
3YLXTM	No	J6RM27	No
4PCYP7	No	JG6MXY	No
6ENGGP	No	L27GH2	No
A7ZE3A	No	MNBMKX	No
ALDN4D	No	N382H7	No
AREZYB	No	NCGTNU	No
BKU4WL	No	NDT7Q6	No
BTNAPM	No	RAD6WU	No
C6EHMF	No	RJBNPR	No
EBFGBA	No	T24ZK4	No
GB4NA4	No	TEBYKP	No
GKEQV6	No	U3TNHP	No
GLQPPE	No	UGP3FX	No
HR8K79	No	UR9GJZ	No

TABLE 1 - Item Q8

WebCode	Match	WebCode	Match
VTY3PW	No		
WDZD9Q	No		
XULF4K	No		
Z8HGUQ	No		
ZPMN9T	No		

Response Summary - Q8		Total Participants: 35
Match	Total	

Yes	0
No	35
Unable To Determine	0

TABLE 1 - Item Q9

WebCode	Match	WebCode	Match
39NJTU	No	HVAJG2	No
3YLXTM	No	J6RM27	No
4PCYP7	No	JG6MX Y	No
6ENGGP	No	L27GH2	No
A7ZE3A	No	MNB MKX	No
ALDN4D	No	N382H7	No
AREZYB	No	NCGTNU	No
BKU4WL	No	NDT7Q6	No
BTNAPM	No	RAD6WU	No
C6EHMF	No	RJBNPR	No
EBFGBA	No	T24ZK4	No
GB4NA4	No	TEBYKP	No
GKEQV6	No	U3TNHP	No
GLQPPE	No	UGP3FX	No
HR8K79	No	UR9GJZ	No

TABLE 1 - Item Q9

WebCode	Match	WebCode	Match
VTY3PW	No		
WDZD9Q	No		
XULF4K	No		
Z8HGUQ	No		
ZPMN9T	No		
Response Summary - Q9		Total Participants: 35	
	Match	Total	

Yes 0

No 35

Unable To Determine 0

TABLE 1 - Item Q10

WebCode	Match	WebCode	Match
39NJTU	No	HVAJG2	No
3YLXTM	No	J6RM27	No
4PCYP7	No	JG6MX Y	No
6ENGGP	No	L27GH2	No
A7ZE3A	No	MNB MKX	No
ALDN4D	No	N382H7	Yes
AREZYB	No	NCGTNU	No
BKU4WL	No	NDT7Q6	No
BTNAPM	No	RAD6WU	No
C6EHMF	No	RJBNPR	No
EBFGBA	No	T24ZK4	No
GB4NA4	No	TEBYKP	No
GKEQV6	No	U3TNHP	No
GLQPPE	No	UGP3FX	No
HR8K79	No	UR9GJZ	No

TABLE 1 - Item Q10

WebCode	Match	WebCode	Match
VTY3PW	No		
WDZD9Q	No		
XULF4K	No		
Z8HGUQ	No		
ZPMN9T	No		

Response Summary - Q10		Total Participants: 35
Match	Total	

Yes	1
No	34
Unable To Determine	0

TABLE 1 - Item Q11

WebCode	Match	WebCode	Match
39NJTU	No	HVAJG2	No
3YLXTM	No	J6RM27	No
4PCYP7	No	JG6MXY	No
6ENGGP	No	L27GH2	No
A7ZE3A	No	MNBMKX	No
ALDN4D	No	N382H7	Yes
AREZYB	No	NCGTNU	No
BKU4WL	No	NDT7Q6	No
BTNAPM	No	RAD6WU	No
C6EHMF	No	RJBNPR	No
EBFGBA	No	T24ZK4	No
GB4NA4	No	TEBYKP	No
GKEQV6	No	U3TNHP	No
GLQPPE	No	UGP3FX	No
HR8K79	No	UR9GJZ	No

TABLE 1 - Item Q11

WebCode	Match	WebCode	Match
VTY3PW	No		
WDZD9Q	No		
XULF4K	No		
Z8HGUQ	No		
ZPMN9T	No		

Response Summary - Q11		Total Participants: 35
Match	Total	

Yes	1
No	34
Unable To Determine	0

TABLE 1 - Item Q12

WebCode	Match	WebCode	Match
39NJTU	Yes	HVAJG2	Yes
3YLXTM	Yes	J6RM27	Yes
4PCYP7	Yes	JG6MX Y	Yes
6ENGGP	Yes	L27GH2	Yes
A7ZE3A	Yes	MNB MKX	Yes
ALDN4D	Yes	N382H7	No
AREZYB	Yes	NCGTNU	Yes
BKU4WL	Yes	NDT7Q6	Yes
BTNAPM	Yes	RAD6WU	Yes
C6EHMF	Yes	RJBNPR	Yes
EBFGBA	Yes	T24ZK4	Yes
GB4NA4	Yes	TEBYKP	Yes
GKEQV6	Yes	U3TNHP	Yes
GLQPPE	No	UGP3FX	Yes
HR8K79	Yes	UR9GJZ	Yes

TABLE 1 - Item Q12

WebCode	Match	WebCode	Match
VTY3PW	Yes		
WDZD9Q	Yes		
XULF4K	Yes		
Z8HGUQ	Yes		
ZPMN9T	Yes		

Response Summary - Q12		Total Participants: 35
Match	Total	

Yes	33
No	2
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
39NJTU	No		HR8K79	No	
3YLXTM	No		HVAJG2	No	
4PCYP7	No		J6RM27	No	
6ENGGP	No		JG6MXY	No	
A7ZE3A	No		L27GH2	No	
ALDN4D	No		MNBMKX	No	
AREZYB	No		N382H7	No	
BKU4WL	No		NCGTNU	No	
BTNAPM	No		NDT7Q6	No	
C6EHMF	No		RAD6WU	No	
EBFGBA	No		RJBNPR	No	
GB4NA4	No		T24ZK4	No	
GKEQV6	No		TEBYKP	No	
GLQPPE	No		U3TNHP	No	

TABLE 2 - Item Q13

WebCode	Match	Source	WebCode	Match	Source
UGP3FX	No				
UR9GJZ	No				
VTY3PW	No				
WDZD9Q	No				
XULF4K	No				
Z8HGUQ	No				
ZPMN9T	No				

Response Summary - Q13			Total Participants: 35
Match	Total	Source	
Yes	0	(N/A for non-associations)	
No	35		
Unable To Determine	0		

TABLE 2 - Item Q14

WebCode	Match	Source	WebCode	Match	Source
39NJTU	Yes	G	HVAJG2	Yes	G
3YLXTM	Yes	G	J6RM27	Yes	G
4PCYP7	Yes	G	JG6MXU	Yes	G
6ENGGP	Yes	G	L27GH2	Yes	G
A7ZE3A	Yes	G	MNBMKX	Yes	G
ALDN4D	Yes	G	N382H7	Yes	G
AREZYB	Yes	G	NCGTNU	Yes	G
BKU4WL	No		NDT7Q6	Yes	G
BTNAPM	Yes	G	RAD6WU	Yes	G
C6EHMF	Yes	G	RJBNPR	Yes	G
EBFGBA	Yes	G	T24ZK4	Yes	G
GB4NA4	Yes	G	TEBYKP	Yes	G
GKEQV6	Yes	G	U3TNHP	Yes	G
GLQPPE	Yes	G	UGP3FX	Yes	G
HR8K79	Yes	G	UR9GJZ	Yes	G

TABLE 2 - Item Q14

WebCode	Match	Source	WebCode	Match	Source
VTY3PW	Yes	G			
WDZD9Q	Yes	G			
XULF4K	Yes	G			
Z8HGUQ	Yes	G			
ZPMN9T	Yes	G			

Response Summary - Q14		Total Participants: 35
Match	Total	Source

Yes	34	G (34)
No	1	
Unable To Determine	0	

TABLE 2 - Item Q15

WebCode	Match	Source	WebCode	Match	Source
39NJTU	No		HVAJG2	No	
3YLXTM	No		J6RM27	No	
4PCYP7	No		JG6MXU	No	
6ENGGP	No		L27GH2	No	
A7ZE3A	No		MNBMKX	No	
ALDN4D	No		N382H7	No	
AREZYB	No		NCGTNU	No	
BKU4WL	No		NDT7Q6	No	
BTNAPM	No		RAD6WU	No	
C6EHMF	No		RJBNPR	No	
EBFGBA	No		T24ZK4	No	
GB4NA4	No		TEBYKP	No	
GKEQV6	No		U3TNHP	No	
GLQPPE	No		UGP3FX	No	
HR8K79	No		UR9GJZ	No	

TABLE 2 - Item Q15

WebCode	Match	Source	WebCode	Match	Source
VTY3PW	No				
WDZD9Q	No				
XULF4K	No				
Z8HGUQ	No				
ZPMN9T	No				

Response Summary - Q15		Total Participants: 35	
Match	Total	Source	

Yes	0	(N/A for non-associations)	
No	35		
Unable To Determine	0		

TABLE 2 - Item Q16

WebCode	Match	Source	WebCode	Match	Source
39NJTU	No		HVAJG2	No	
3YLXTM	No		J6RM27	No	
4PCYP7	No		JG6MXY	No	
6ENGGP	No		L27GH2	No	
A7ZE3A	No		MNBMKX	No	
ALDN4D	No		N382H7	No	
AREZYB	No		NCGTNU	No	
BKU4WL	No		NDT7Q6	No	
BTNAPM	No		RAD6WU	No	
C6EHMF	No		RJBNPR	No	
EBFGBA	No		T24ZK4	No	
GB4NA4	No		TEBYKP	No	
GKEQV6	No		U3TNHP	No	
GLQPPE	No		UGP3FX	No	
HR8K79	No		UR9GJZ	No	

TABLE 2 - Item Q16

WebCode	Match	Source	WebCode	Match	Source
VTY3PW	No				
WDZD9Q	No				
XULF4K	No				
Z8HGUQ	No				
ZPMN9T	No				

Response Summary - Q16		Total Participants: 35	
Match	Total	Source	

Yes	0	(N/A for non-associations)	
No	35		
Unable To Determine	0		

TABLE 2 - Item Q17

WebCode	Match	Source	WebCode	Match	Source
39NJTU	No		HVAJG2	No	
3YLXTM	No		J6RM27	No	
4PCYP7	No		JG6MXU	No	
6ENGGP	No		L27GH2	No	
A7ZE3A	No		MNBMKX	No	
ALDN4D	No		N382H7	No	
AREZYB	No		NCGTNU	No	
BKU4WL	No		NDT7Q6	No	
BTNAPM	No		RAD6WU	No	
C6EHMF	No		RJBNPR	No	
EBFGBA	No		T24ZK4	No	
GB4NA4	No		TEBYKP	No	
GKEQV6	No		U3TNHP	No	
GLQPPE	No		UGP3FX	No	
HR8K79	No		UR9GJZ	No	

TABLE 2 - Item Q17

WebCode	Match	Source	WebCode	Match	Source
VTY3PW	No				
WDZD9Q	No				
XULF4K	No				
Z8HGUQ	No				
ZPMN9T	No				

Response Summary - Q17		Total Participants: 35	
Match	Total	Source	

Yes	0	(N/A for non-associations)	
No	35		
Unable To Determine	0		

TABLE 2 - Item Q18

WebCode	Match	Source	WebCode	Match	Source
39NJTU	No		HVAJG2	No	
3YLXTM	No		J6RM27	No	
4PCYP7	No		JG6MXY	No	
6ENGGP	No		L27GH2	No	
A7ZE3A	No		MNBMKX	No	
ALDN4D	No		N382H7	No	
AREZYB	No		NCGTNU	No	
BKU4WL	No		NDT7Q6	No	
BTNAPM	No		RAD6WU	No	
C6EHMF	No		RJBNPR	No	
EBFGBA	No		T24ZK4	No	
GB4NA4	No		TEBYKP	No	
GKEQV6	No		U3TNHP	No	
GLQPPE	No		UGP3FX	No	
HR8K79	No		UR9GJZ	No	

TABLE 2 - Item Q18

WebCode	Match	Source	WebCode	Match	Source
VTY3PW	No				
WDZD9Q	No				
XULF4K	No				
Z8HGUQ	No				
ZPMN9T	No				

Response Summary - Q18		Total Participants: 35	
Match	Total	Source	

Yes	0	(N/A for non-associations)	
No	35		
Unable To Determine	0		

TABLE 2 - Item Q19

WebCode	Match	Source	WebCode	Match	Source
39NJTU	Yes	C	HVAJG2	Yes	C
3YLXTM	Yes	C	J6RM27	Yes	C
4PCYP7	Yes	C	JG6MXU	Yes	C
6ENGGP	Yes	C	L27GH2	Yes	C
A7ZE3A	Yes	C	MNBMKX	Yes	C
ALDN4D	Yes	C	N382H7	Yes	C
AREZYB	Yes	C	NCGTNU	Yes	C
BKU4WL	Yes	C	NDT7Q6	Yes	C
BTNAPM	Yes	C	RAD6WU	Yes	C
C6EHMF	Yes	C	RJBNPR	Yes	C
EBFGBA	Yes	C	T24ZK4	Yes	C
GB4NA4	Yes	C	TEBYKP	Yes	C
GKEQV6	Yes	C	U3TNHP	Yes	C
GLQPPE	Yes	C	UGP3FX	Yes	C
HR8K79	Yes	C	UR9GJZ	Yes	C

TABLE 2 - Item Q19

WebCode	Match	Source	WebCode	Match	Source
VTY3PW	Yes	C			
WDZD9Q	Yes	C			
XULF4K	Yes	C			
Z8HGUQ	Yes	C			
ZPMN9T	Yes	C			

Response Summary - Q19		Total Participants: 35	
Match	Total	Source	

Yes	35	C (35)	
No	0		
Unable To Determine	0		

TABLE 2 - Item Q20

WebCode	Match	Source	WebCode	Match	Source
39NJTU	No		HVAJG2	No	
3YLXTM	No		J6RM27	No	
4PCYP7	No		JG6MXY	No	
6ENGGP	No		L27GH2	No	
A7ZE3A	No		MNBMKX	No	
ALDN4D	No		N382H7	No	
AREZyb	No		NCGTNU	No	
BKU4WL	No		NDT7Q6	No	
BTNAPM	No		RAD6WU	No	
C6EHMF	No		RJBNPR	No	
EBFGBA	No		T24ZK4	No	
GB4NA4	No		TEBYKP	UTD	
GKEQV6	No		U3TNHP	No	
GLQPPE	No		UGP3FX	No	
HR8K79	No		UR9GJZ	No	

TABLE 2 - Item Q20

WebCode	Match	Source	WebCode	Match	Source
VTY3PW	No				
WDZD9Q	No				
XULF4K	No				
Z8HGUQ	No				
ZPMN9T	No				

Response Summary - Q20		Total Participants: 35	
Match	Total	Source	

Yes	0	(N/A for non-associations)	
No	34		
Unable To Determine	1		

Additional Comments

TABLE 3

WebCode	Additional Comments
AREZYB	I do not like the way this test is set up. It leaves too much room for user error. The test should reflect how we do comparisons (side by side) without having to minimize windows and no ability to manipulate the image (contrast or rotate). As it is now, a conclusion could be wrong but you wouldn't know if the examiner made an erroneous conclusion, or if they were looking at the wrong thing (standard to standard comparison vs. standard to questioned print).
MNBMKX	Would love to be able to lighten or darken prints!

-End of Report-
(Appendix may follow)

Collaborative Testing Services ~ Forensic Testing Program

Test No. 19-514: Tenprint Examination

DATA MUST BE SUBMITTED BY **July 1, 2019, 11:59 p.m.** TO BE INCLUDED IN THE REPORT

Participant Code: U1234B

WebCode: C86JT4

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.

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)