#### **Tenprint Examination Test No. 18-514 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 34 participants and are compiled into the following tables:

	<u>Page</u>
Manufacturer's Information	<u>2</u>
Summary Comments	<u>3</u>
Table 1a: Comparisons - Single Prints	<u>4</u>
Table 1b: Comparisons - Tenprints	<u>28</u>
Table 2: Additional Comments	<u>44</u>

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.

#### **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 temprint 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	Yes	Q13	No
Q2	No	Q14	No
Q3	No	Q15	Standard H
Q4	No	Q16	No
Q5	No	Q17	No
Q6	No	Q18	Standard B
Q7	No	Q19	No
Q8	No	Q20	Standard E
Q9	Yes		
Q10	No		
Q11	No		
Q12	No		

Printed: July 25, 2018 (2) Copyright © 2018 CTS, Inc

### **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 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 34 responding participants, 29 (85.3%) reported the expected responses for all twelve single-print pairs and eight tenprint cards. Two participants determined that unrelated prints in one or more single print pair shared a common source (Q4; Q6, Q11). One participant determined that a related pair of single prints did not share a common source (Q9). Another participant determined that no standard card shared a common source with tenprint cards Q15, Q18, and Q20. Finally, one participant determined that a related pair of single prints did not share a common source (Q9) and also did not provide a response for Q14.

The structure of the ten-to-ten comparison section of the test was updated for its 2018 release. This change was implemented to make the test more comparable to casework examination, in which an examiner would be comparing a single card to several standards. A common occurrence was noted wherein several participants identified the standard card that shared a common source with a questioned item, but failed to answer the initial Yes/No/Unable To Determine portion of the question. This explains the differences in several of the summary totals. The portal entry form has been updated to assist with correct completion of future tests.

# **Comparisons - Single Prints**

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

TABLE 1a - Item Q1

WebCode	Match	WebCode	Match	
2NHTUE	Yes	KMLPAU	Yes	
8VLMFA	Yes	KWXLEZ	Yes	
ARBM89	Yes	LJJ7KZ	Yes	
ARDCC6	Yes	MMW98W	Yes	
B464WA	Yes	MYDVFW	Yes	
BVAX49	Yes	PN6PCU	Yes	
CEKA94	Yes	Q9LYTW	Yes	
CLKQJA	Yes	R87WLN	Yes	
DCP9H7	Yes	T63L6E	Yes	
EA4NC2	Yes	VLYMVH	Yes	
ELA288	Yes	VYJ6NL	Yes	
FMMTX4	Yes	VYLUTJ	Yes	
FREXQ8	Yes	XDDBVM	Yes	
H4H3VQ	Yes	YML9EJ	Yes	

TABLE 1a - Item Q1

WebCode	Match	WebCode	
YP3KZX	Yes		
Z2GK7A	Yes		
Z7Q6BK	Yes		
ZCW2UK	Yes		
ZNNMZF	Yes		
ZI NI NIVIZI	Tes		
ZZZV2M	Yes		
Response Sun	ımary - Q1	Total Participants: 34	

Response Summary - Q1		Total Participants: 34
Match	Total	
Yes	34	
No	0	
Unable To Determine	0	

TABLE 1a - Item Q2

WebCode	Match	WebCode	Match	
2NHTUE	No	KWXLEZ	No	
8VLMFA	No	LJJ7KZ	No	
ARBM89	No	MMW98W	No	
ARDCC6	No	MYDVFW	No	
B464WA	No	PN6PCU	No	
BVAX49	No	Q9LYTW	No	
CEKA94	No	R87WLN	No	
CLKQJA	No	T63L6E	No	
DCP9H7	No	VLYMVH	No	
EA4NC2	No	VYJ6NL	No	
ELA288	No	VYLUTJ	No	
FMMTX4	No	XDDBVM	No	
FREXQ8	No	YML9EJ	No	
H4H3VQ	No	YP3KZX	No	
KMLPAU	No	Z2GK7A	No	
		1		I

TABLE 1a - Item Q2

		TABLE TO - HeIII V	QZ	
WebCode	Match	Web	Code Match	
Z7Q6BK	No			
ZCW2UK	No			
ZNNMZF	No			
7771/014	<b>N</b> I			
ZZZV2M	No			
			1	
Response Summ	ary - Q2	Total Participants: 34		
Match	Total			
Yes	0			
No	34			
Unable To Determine	0			

TABLE 1a - Item Q3

WebCode	Match	WebCode	Match	
2NHTUE	No	KWXLEZ	No	
8VLMFA	No	LJJ7KZ	No	
ARBM89	No	MMW98W	No	
ARDCC6	No	MYDVFW	No	
B464WA	No	PN6PCU	No	
BVAX49	No	Q9LYTW	No	
CEKA94	No	R87WLN	No	
CLKQJA	No	T63L6E	No	
DCP9H7	No	VLYMVH	No	
EA4NC2	No	VYJ6NL	No	
ELA288	No	VYLUTJ	No	
FMMTX4	No	XDDBVM	No	
FREXQ8	No	YML9EJ	No	
H4H3VQ	No	YP3KZX	No	
KMLPAU	No	Z2GK7A	No	

TABLE 1a - Item Q3

			n dell'id nom	QU	
WebCode		Match	Web	Code	Match
Z7Q6BK		No			
ZCW2UK		No			
ZNNMZF		No			
ZZZV2M		No			
Response S	Summ	ary - Q3	Total Participants: 34		
٨	Natch	Total			
	Yes	0			
	No	34			
Unable To Deter	mine	0			

TABLE 1a - Item Q4

WebCode	Match	WebCode	Match
2NHTUE	No	KWXLEZ	No
8VLMFA	No	LJJ7KZ	No
ARBM89	No	MMW98W	No
ARDCC6	No	MYDVFW	No
B464WA	No	PN6PCU	No
BVAX49	No	Q9LYTW	No
CEKA94	No	R87WLN	No
CLKQJA	No	T63L6E	Yes
DCP9H7	No	VLYMVH	No
EA4NC2	No	VYJ6NL	No
ELA288	No	VYLUTJ	No
FMMTX4	No	XDDBVM	No
FREXQ8	No	YML9EJ	No
H4H3VQ	No	YP3KZX	No
KMLPAU	No	Z2GK7A	No

TABLE 1a - Item Q4

			TABLE TO HEIT	<b>∝</b> .	
WebCode		Match	Web	Code	Match
Z7Q6BK		No			
ZCW2UK		No			
ZNNMZF		No			
ZZZV2M		No			
Response	Summ	ary - Q4	Total Participants: 34		
	Match	Total			
	Yes	1			
	No	33			
Unable To Dete	ermine	0			

TABLE 1a - Item Q5

WebCode	Match	WebCode	Match	
2NHTUE	No	KWXLEZ	No	
8VLMFA	No	LJJ7KZ	No	
ARBM89	No	MMW98W	No	
ARDCC6	No	MYDVFW	No	
B464WA	No	PN6PCU	No	
BVAX49	No	Q9LYTW	No	
CEKA94	No	R87WLN	No	
CLKQJA	No	T63L6E	No	
DCP9H7	No	VLYMVH	No	
EA4NC2	No	VYJ6NL	No	
ELA288	No	VYLUTJ	No	
FMMTX4	No	XDDBVM	No	
FREXQ8	No	YML9EJ	No	
H4H3VQ	No	YP3KZX	No	
KMLPAU	No	Z2GK7A	No	
		1		I

TABLE 1a - Item Q5

			TABLE TO HOME	QU	
WebCode		Match	Web	Code	
Z7Q6BK		No			
ZCW2UK		No			
ZNNMZF		No			
ZZZV2M		No			
Response Su	Jmm	ary - Q5	Total Participants: 34		
Mo	atch	Total			
,	Yes	0			
	No	34			
Unable To Determ	ine	0			

### TABLE 1a - Item Q6

WebCode	Match	WebCode	Match	
2NHTUE	No	KWXLEZ	No	
8VLMFA	No	LJJ7KZ	No	
ARBM89	No	MMW98W	No	
ARDCC6	No	MYDVFW	No	
B464WA	Yes	PN6PCU	No	
BVAX49	No	Q9LYTW	No	
CEKA94	No	R87WLN	No	
CLKQJA	No	T63L6E	No	
DCP9H7	No	VLYMVH	No	
EA4NC2	No	VYJ6NL	No	
ELA288	No	VYLUTJ	No	
FMMTX4	No	XDDBVM	No	
FREXQ8	No	YML9EJ	No	
H4H3VQ	No	YP3KZX	No	
KMLPAU	No	Z2GK7A	No	
		I		I

TABLE 1a - Item Q6

		TABLE TO - HOTTI	QU		
WebCode	Match	Web	Code	Match	
Z7Q6BK	No				
ZCW2UK	No				
ZNNMZF	No				
7771011					
ZZZV2M	No				
Dogwood Summer	- O 6	T. ID. (1.1. )			
Response Summ		Total Participants: 34			
Match	Total				
Yes	1				
No	33				
Jnable To Determine	0				

TABLE 1a - Item Q7

WebCode	Match	WebCode	Match	
2NHTUE	No	KWXLEZ	No	
8VLMFA	No	LJJ7KZ	No	
ARBM89	No	MMW98W	No	
ARDCC6	No	MYDVFW	No	
B464WA	No	PN6PCU	No	
BVAX49	No	Q9LYTW	No	
CEKA94	No	R87WLN	No	
CLKQJA	No	T63L6E	No	
DCP9H7	No	VLYMVH	No	
EA4NC2	No	VYJ6NL	No	
ELA288	No	VYLUTJ	No	
FMMTX4	No	XDDBVM	No	
FREXQ8	No	YML9EJ	No	
H4H3VQ	No	YP3KZX	No	
KMLPAU	No	Z2GK7A	No	
		1		I

TABLE 1a - Item Q7

			TABLE 19 HOTT	<b>ω</b> ,	
WebCode		Match	Web	Code	Match
Z7Q6BK		No			
ZCW2UK		No			
ZNNMZF		No			
ZZZV2M		No			
Response	Summ	ary - Q7	Total Participants: 34		
	Match	Total			
	Yes	0			
	No	34			
Unable To Det	ermine	0			

TABLE 1a - Item Q8

WebCode	Match	WebCode	Match	
2NHTUE	No	KWXLEZ	No	
8VLMFA	No	LJJ7KZ	No	
ARBM89	No	MMW98W	No	
ARDCC6	No	MYDVFW	No	
B464WA	No	PN6PCU	No	
BVAX49	No	Q9LYTW	No	
CEKA94	No	R87WLN	No	
CLKQJA	No	T63L6E	No	
DCP9H7	No	VLYMVH	No	
EA4NC2	No	VYJ6NL	No	
ELA288	No	VYLUTJ	No	
FMMTX4	No	XDDBVM	No	
FREXQ8	No	YML9EJ	No	
H4H3VQ	No	YP3KZX	No	
KMLPAU	No	Z2GK7A	No	
		1		I

TABLE 1a - Item Q8

			TABLE 14 Hem	α0	
WebCode		Match	Web	Code	
Z7Q6BK		No			
ZCW2UK		No			
ZNNMZF		No			
ZZZV2M		No			
				_	
Response S	umm	ary - Q8	Total Participants: 34		
N	\atch	Total			
	Yes	0			
	No	34			
Unable To Deterr	mine	0			

### TABLE 1a - Item Q9

WebCode	Match	WebCode	Match
2NHTUE	Yes	KWXLEZ	Yes
8VLMFA	Yes	LJJ7KZ	Yes
ARBM89	Yes	MMW98W	No
ARDCC6	Yes	MYDVFW	Yes
B464WA	Yes	PN6PCU	Yes
BVAX49	Yes	Q9LYTW	Yes
CEKA94	Yes	R87WLN	Yes
CLKQJA	Yes	T63L6E	Yes
DCP9H7	No	VLYMVH	Yes
EA4NC2	Yes	VYJ6NL	Yes
ELA288	Yes	VYLUTJ	Yes
FMMTX4	Yes	XDDBVM	Yes
FREXQ8	Yes	YML9EJ	Yes
H4H3VQ	Yes	YP3KZX	Yes
KMLPAU	Yes	Z2GK7A	Yes

TABLE 1a - Item Q9

			TABLE 14 Hemi	<b>α</b> /	
WebCode		Match	Web	Code	Mate
Z7Q6BK		Yes			
ZCW2UK		Yes			
ZNNMZF		Yes			
ZZZV2M		Yes			
				•	
Response S	Summ	ary - Q9	Total Participants: 34		
٨	<b>Natch</b>	Total			
	Yes	32			
	No	2			
Unable To Deter	mine	0			

TABLE 1a - Item Q10

WebCode	Match	WebCode	Match	
2NHTUE	No	KWXLEZ	No	
8VLMFA	No	LJJ7KZ	No	
ARBM89	No	MMW98W	No	
ARDCC6	No	MYDVFW	No	
B464WA	No	PN6PCU	No	
BVAX49	No	Q9LYTW	No	
CEKA94	No	R87WLN	No	
CLKQJA	No	T63L6E	No	
DCP9H7	No	VLYMVH	No	
EA4NC2	No	VYJ6NL	No	
ELA288	No	VYLUTJ	No	
FMMTX4	No	XDDBVM	No	
FREXQ8	No	YML9EJ	No	
H4H3VQ	No	YP3KZX	No	
KMLPAU	No	Z2GK7A	No	
		1		I

TABLE 1a - Item Q10

		17 DEE 10 - HOITI O	(10	
WebCode	Match	WebC	ode	Match
Z7Q6BK	No			
ZCW2UK	No			
ZNNMZF	No			
777 (0)				
ZZZV2M	No			
	010			
Response Summ	nary - Q10	Total Participants: 34		
Match	Total			
Yes	0			
No	34			
Unable To Determine	0			

TABLE 1a - Item Q11

WebCode	Match	WebCode	Match
2NHTUE	No	KWXLEZ	No
8VLMFA	No	LJJ7KZ	No
ARBM89	No	MMW98W	No
ARDCC6	No	MYDVFW	No
B464WA	Yes	PN6PCU	No
BVAX49	No	Q9LYTW	No
CEKA94	No	r87Wln	No
CLKQJA	No	T63L6E	No
DCP9H7	No	VLYMVH	No
EA4NC2	No	VYJ6NL	No
ELA288	No	VYLUTJ	No
FMMTX4	No	XDDBVM	No
FREXQ8	No	YML9EJ	No
H4H3VQ	No	YP3KZX	No
KMLPAU	No	Z2GK7A	No

TABLE 1a - Item Q11

			17 DEL 14 - HOIT	ווא	
WebCode		Match	Web	Code	Match
Z7Q6BK		No			
ZCW2UK		No			
ZNNMZF		No			
ZZZV2M		No			
Response	Summ	ary - Q11	Total Participants: 34		
	Match	Total			
	Yes	1			
	No	33			
Unable To Dete	ermine	0			

TABLE 1a - Item Q12

WebCode	Match	WebCode	Match	
2NHTUE	No	KWXLEZ	No	
8VLMFA	No	LJJ7KZ	No	
ARBM89	No	MMW98W	No	
ARDCC6	No	MYDVFW	No	
B464WA	No	PN6PCU	No	
BVAX49	No	Q9LYTW	No	
CEKA94	No	R87WLN	No	
CLKQJA	No	T63L6E	No	
DCP9H7	No	VLYMVH	No	
EA4NC2	No	VYJ6NL	No	
ELA288	No	VYLUTJ	No	
FMMTX4	No	XDDBVM	No	
FREXQ8	No	YML9EJ	No	
H4H3VQ	No	YP3KZX	No	
KMLPAU	No	Z2GK7A	No	
		1		I

TABLE 1a - Item Q12

		17 DEL 14 - Helli C	X I Z	
WebCode	Match	Web	Code	Match
Z7Q6BK	No			
ZCW2UK	No			
ZNNMZF	No			
777\(0\)	<b>.</b>			
ZZZV2M	No			
D	010		I	
Response Sumr		Total Participants: 34		
Match	Total			
Yes	0			
No	34			
Unable To Determine	0			

# **Comparisons - Tenprints**

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

TABLE 1b - Item Q13

WebCode	Match	Source	WebCode	Match	Source
2NHTUE	No		KWXLEZ	No	
8VLMFA	No		LJJ7KZ	No	
ARBM89	No		MMW98W	No	
ARDCC6	No		MYDVFW	No	
B464WA	No		PN6PCU	No	
BVAX49	No		Q9LYTW	No	
CEKA94	No		r87Wln	No	
CLKQJA	No		T63L6E	No	
DCP9H7	No		VLYMVH	No	
EA4NC2	No		VYJ6NL	No	
ELA288	No		VYLUTJ	No	
FMMTX4	No		XDDBVM	No	
FREXQ8	No		YML9EJ	No	
H4H3VQ	No		YP3KZX	No	
KMLPAU	No				

TABLE 1b - Item Q13

	TABLE TO HEIT Q TO							
WebCode	Match	Source	WebCode	Match	Source			
Z2GK7A	No							
Z7Q6BK	No							
ZCW2UK	No							
ZNNMZF	No							
ZZZV2M	No							

Response Summo	Total Participants: 34	
Match	Total	Source
Yes	0	(N/A for
No	34	non-associations)
Unable To Determine	0	

TABLE 1b - Item Q14

WohCodo	Mortolo		WobCodo	Martala	Source
WebCode	Match	Source	WebCode	Match	Source
2NHTUE	No		LJJ7KZ	No	
8VLMFA	No		MMW98W		
ARBM89	No		MYDVFW	No	
ARDCC6	No		PN6PCU	No	
B464WA	No		Q9LYTW	No	
BVAX49	No		r87Wln	No	
CEKA94	No		T63L6E	No	
CLKQJA	No		VLYMVH	No	
DCP9H7	No		VYJ6NL	No	
EA4NC2	No		VYLUTJ	No	
ELA288	No		XDDBVM	No	
FMMTX4	No		YML9EJ	No	
FREXQ8	No		YP3KZX	No	
H4H3VQ	No		Z2GK7A	No	
KMLPAU	No		Z7Q6BK	No	
KWXLEZ	No		ZCW2UK	No	

### TABLE 1b - Item Q14

WebCode	M	atch	Source	WebC	
ZNNMZF		No			
ZZZV2M		No			
Response	Summe	nry - Q14	Total Partic	sinants: 34	
Kesponse		ary - Gri-	Total Tarile	apullis. 54	
	Match	Total	Source		
	Yes	0	(N/A for		
	No	33	non-associ	non-associations)	
Unable To Det	termine	0			

TABLE 1b - Item Q15

	TABLE 10 - HeIII Q 13								
WebCode	Match	Source	WebCode	Match	Source				
2NHTUE	Yes	Н	LJJ7KZ	Yes	Н				
8VLMFA	Yes	Н	MMW98W	Yes	Н				
ARBM89	Yes	Н	MYDVFW		Н				
ARDCC6	Yes	Н	PN6PCU	Yes	Н				
B464WA	Yes	Н	Q9LYTW	Yes	Н				
BVAX49	Yes	Н	R87WLN	Yes	Н				
CEKA94	Yes	Н	T63L6E	Yes	Н				
CLKQJA	Yes	Н	VLYMVH	Yes	Н				
DCP9H7	Yes	Н	VYJ6NL	Yes	Н				
EA4NC2	Yes	Н	VYLUTJ	Yes	Н				
ELA288		Н	XDDBVM	Yes	Н				
FMMTX4	Yes	Н	YML9EJ	Yes	Н				
FREXQ8	Yes	Н	YP3KZX	Yes	н				
H4H3VQ		Н	Z2GK7A	Yes	Н				
KMLPAU	No		Z7Q6BK	Yes	Н				
KWXLEZ		Н	ZCW2UK	Yes	Н				

### TABLE 1b - Item Q15

WebCode	Match	Source	WebCode	Match	Source
ZNNMZF		Н			
ZZZV2M	Yes	н			

Response Summary - Q15		Total Participants: 34	
M	atch	Total	Source
	Yes	28	H (33)
	No	1	
Unable To Determ	nine	0	

TABLE 1b - Item Q16

WahCada	Martala		WebCode	Martala	Course
WebCode	Match	Source	WebCode	Match	Source
2NHTUE	No		LJJ7KZ	No	
8VLMFA	No		MMW98W	No	
ARBM89	No		MYDVFW	No	
ARDCC6	No		PN6PCU	No	
B464WA	No		Q9LYTW	No	
BVAX49	No		R87WLN	No	
CEKA94	No		T63L6E	No	
CLKQJA	No		VLYMVH	No	
DCP9H7	No		VYJ6NL	No	
EA4NC2	No		VYLUTJ	No	
ELA288	No		XDDBVM	No	
FMMTX4	No		YML9EJ	No	
FREXQ8	No		YP3KZX	No	
H4H3VQ	No		Z2GK7A	No	
KMLPAU	No		Z7Q6BK	No	
KWXLEZ	No		ZCW2UK	No	

### TABLE 1b - Item Q16

WebCode	M	atch	Source	WebC
ZNNMZF	1	No		
ZZZV2M	1	No		
Response	a Summe	ury 016	Total Partic	ringate: 31
Kesponse		iry - Qio	Total Fartic	ipanis: 34
	Match	Total	Source	
	Yes	0	(N/A for	
	No	34	non-associ	ations)
Unable To Determine 0				

TABLE 1b - Item Q17

W LO L			b - Helli Q17		
WebCode	Match	Source	WebCode	Match	Source
2NHTUE	No		LJJ7KZ	No	
8VLMFA	No		MMW98W	No	
ARBM89	No		MYDVFW	No	
ARDCC6	No		PN6PCU	No	
B464WA	No		Q9LYTW	No	
BVAX49	No		r87WLN	No	
CEKA94	No		T63L6E	No	
CLKQJA	No		VLYMVH	No	
DCP9H7	No		VYJ6NL	No	
EA4NC2	No		VYLUTJ	No	
ELA288	No		XDDBVM	No	
FMMTX4	No		YML9EJ	No	
FREXQ8	No		YP3KZX	No	
H4H3VQ	No		Z2GK7A	No	
KMLPAU	No		Z7Q6BK	No	
KWXLEZ	No		ZCW2UK	No	

### TABLE 1b - Item Q17

WebCode	M	latch	Source	WebCo
ZNNMZF		No		
777\/0\/		N.I.		
ZZZV2M		No		
Respons	e Summo	ary - Q17	Total Parti	cipants: 34
	Match	Total	Source	
	Yes	0	(N/A for	
	No	34	non-assoc	iations)
Unable To De	etermine	0		

TABLE 1b - Item Q18

WebCode	Match	Source	WebCode	Match	Source
2NHTUE	Yes	В	LJJ7KZ	Yes	В
8VLMFA	Yes	В	MMW98W	Yes	В
ARBM89	Yes	В	MYDVFW		В
ARDCC6	Yes	В	PN6PCU	Yes	В
B464WA	Yes	В	Q9LYTW	Yes	В
BVAX49		В	r87Wln	Yes	В
CEKA94	Yes	В	T63L6E	Yes	В
CLKQJA	Yes	В	VLYMVH	Yes	В
DCP9H7	Yes	В	VYJ6NL	Yes	В
EA4NC2	Yes	В	VYLUTJ	Yes	В
ELA288		В	XDDBVM	Yes	В
FMMTX4	Yes	В	YML9EJ	Yes	В
FREXQ8	Yes	В	YP3KZX	Yes	В
H4H3VQ		В	Z2GK7A	Yes	В
KMLPAU	No		Z7Q6BK	Yes	В
KWXLEZ		В	ZCW2UK	Yes	В
					l

### TABLE 1b - Item Q18

WebCode	Match	Source	WebCode	Match	Source
ZNNMZF		В			
ZZZV2M	Yes	В			

Respons	Response Summary - Q18		Total Participants: 34	
	Match	Total	Sou	rce
	Yes	27	В	(33)
	No	1		
Unable To D	etermine	0		

TABLE 1b - Item Q19

WebCode	Match	Source	WebCode	Match	Source
		Source			Source
2NHTUE	No		LJJ7KZ	No	
0.4.4.5.4					
8VLMFA	No		MMW98W	No	
ARBM89	No		MYDVFW	No	
ARDCC6	No		PN6PCU	No	
B464WA	No		Q9LYTW	No	
BVAX49	No		R87WLN	No	
CEKA94	No		T63L6E	No	
CLKQJA	No		VLYMVH	No	
DCP9H7	No		VYJ6NL	No	
EA4NC2	No		VYLUTJ	No	
ELA288	No		XDDBVM	No	
FMMTX4	No		YML9EJ	No	
FREXQ8	No		YP3KZX	No	
H4H3VQ	No		Z2GK7A	No	
KMLPAU	No		Z7Q6BK	No	
KWXLEZ	No		ZCW2UK	No	
			-		
					l

### TABLE 1b - Item Q19

WebCode	M	atch	Source	WebCo
ZNNMZF	l	No		
ZZZV2M	1	No		
	·			
Respons	e Summo	ary - Q19	Total Partic	cipants: 34
	Match	Total	Source	
	Yes	0	(N/A for	
	No	34	non-associ	iations)
Unable To De	etermine	0		

TABLE 1b - Item Q20

			ib - lielli QZU		
WebCode	Match	Source	WebCode	Match	Source
2NHTUE	Yes	Е	LJJ7KZ	Yes	E
8VLMFA	Yes	E	MMW98W	Yes	E
ARBM89	Yes	E	MYDVFW		Е
ARDCC6	Yes	Е	PN6PCU	Yes	E
B464WA	Yes	Е	Q9LYTW	Yes	E
BVAX49		Е	r87Wln	Yes	Е
CEKA94	Yes	Е	T63L6E	Yes	Е
CLKQJA	Yes	Е	VLYMVH	Yes	Е
DCP9H7	Yes	Е	VYJ6NL	Yes	Е
EA4NC2	Yes	E	VYLUTJ	Yes	Е
ELA288		Е	XDDBVM	Yes	Е
FMMTX4	Yes	E	YML9EJ	Yes	Е
FREXQ8	Yes	Е	YP3KZX	Yes	Е
H4H3VQ		E	Z2GK7A	Yes	E
KMLPAU	No		Z7Q6BK	Yes	E
KWXLEZ		Е	ZCW2UK	Yes	E
					l

### TABLE 1b - Item Q20

WebCode	Match	Source	WebCode	Match	Source
ZNNMZF		Е			
ZZZV2M	Yes	Е			

Respons	Response Summary - Q20		Total Particip	ants: 34
	Match	Total	Source	
	Yes	27	E (33)	
	No	1		
Unable To De	etermine	0		

### **Additional Comments**

#### TABLE 2

WebCode	Additional Comments
8VLMFA	It is very hard to compare prints that can not be made lighter or darker. also it would be easier if we could print them out so we could put a glass on them and do a side by side comparison.
KWXLEZ	On Item F, the LI and LM finger rolls are the same impression.