28 November 2020   Ref IR-01-20-30892

Mr Paul White
Email: fyi-request-39768575144c@requests.fyi.org.nz30784a1d@requests.fyi.org.nz

Dear Mr White

Police references IR-01-20-30892

Thank you for your email received by Police on 14 October 2020 requesting:

"... I would like to please request information in relation to the Fingerprint Search Parameters, ie the available input field option/valve and a description of each option/valve for the following Search Fields;

- LOC

- Tolerance

- YOB

- YOB Range

- Finger Type

- Matching

Your request has been considered in accordance with the Official Information Act 1982 and all search parameters are outlined below;

ABIS Search Parameters		Tenprint Searches (Automated and Manual)	Latent Searches (All Manual)
Search Field	**Description**	**Value(s)**	**Value(s)**
LOC	List of Candidates: Maximum number of possible matching Tenprint or Latent candidates to be used in Automated searches or displayed in Verify screens ranked from highest score to the lowest score.	**Automated searches** **TPIS, TI, TLI, TLIP** System set value: 5 **TFLU** System set value: 1 **Manual searches** **TI** Default value: 5 **TLI** Default value: 20 **TLIP** Default value: 30 **TI, TLI, TLIP** other selectable values Minimum value: 1 Maximum value: 255 **Other workflows** System set value :5	**LI** Default value: 20 **LLI** Default value: 20 **LIP** Default value: 30 **LLIP** Default value: 20 **All types** other selectable values Minimum value: 1 Maximum value: 255
Tolerance	The degrees of rotation allowed for in the search of a matching print for the search algorithm use. It is apportioned equally on both sides of the print's core and axis.	**TI, TLI, TLIP and Other Workflows** System set value: +/- 15 degrees = 30 degrees tolerance	**Fingers & Palms** Default value: 30 degrees tolerance Other values: 60 degrees, 90 degrees, 360 degrees tolerance
YOB	Year Of Birth for the search algorithm to use in finding candidates	**Automated searches** System set value: blank (not used) **Manual searches** **TI, TLI, TLIP** Default value: blank (not used) Minimum value: 1900 Maximum value: current year **Other workflows:** Not used	Default value: blank (not used) Minimum value: 1900 Maximum value: current year

YOB Range	Year Of Birth margin in years either side of the YOB for the search algorithm to use. Not used if YOB is blank.	Automated searches System set value: None (not used) Manual searches **TI, TLI, TLIP** Default value: None (not used) Minimum value: 0 Maximum value: 9 **Other workflows**: Not used	Default value: None (not used) Minimum value: 0 Maximum value: 9
Finger Type	The type of prints for the search algorithm to use, Slaps and/or Rolls	**Automated searches** **TPIS** System set value: Slap **Other workflows**: Both **Manual searches** **TI**: System set value: Both **TLI**: Default value: Both Other values: Slap, Rolled **TLIP**: Not applicable **Other workflows**: Both	**LI**: Default value: Both **LLI**: Default value: Both **LI & LLI**: Other selectable values: Slap, Rolled **LIP & LLIP**: Not Applicable

Matching	The type of matching algorithms to be used. Different workflows used different matching Algorithms
	For Latents, matching with 3 algorithms adds secondary level of matching with the system utilising the highly accurate NEC ELFT II image-based matching algorithm taking the results of the 2 algorithm search to provide a more refined search/match result. Consequently it takes longer to perform.
		System Set Different Workflows use different matching algorithms, mostly 1 Algorithm.	**Fingers**
			LI
			  Default value: 3 Algorithms
			  Other selectable value: 2 Algorithms
			LLI
			  System set value: 1 Algorithm
			Palms
			LIP
			  System set value: 1 Algorithm
			LLIP
			  System set value: 1 Algorithm

If you have any questions you may contact Tanja van Peer at the email address below.

You have the right to ask the Ombudsman to review my decision if you are not satisfied with Police's response to your request.

Kind Regards

Tanja VAN PEER

Manager: National Fingerprint Service Centre