



U.S. Department of Justice

Federal Bureau of Investigation

Clarksburg, WV 26306

June 17, 2011

Mr. Alexej Kochetkov  
Neurotechnology  
Laisves pr. 125A  
Vilnius, LT-06118  
LITHUANIA

Dear Mr. Kochetkov:

The Federal Bureau of Investigation (FBI) Criminal Justice Information Services (CJIS) Division and the National Institute of Standards and Technology (NIST) have completed a review of the testing information submitted by Neurotechnology. The NIST performed a complete analysis of the Wavelet Scalar Quantization (WSQ) Implementation.

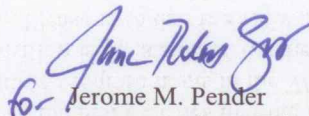
WSQ Implementation Number:	10150
Platform:	Microsoft Windows XP, PC Intel Core 2Quad CPU Q9400, Microsoft Visual Studio 2008, Software version ID: NImages 3.0
Certification criteria:	500ppi grayscale image, 8 bits per pixel, at 5:1 and 15:1 target compression ratios

Based on the results of the NIST review, the FBI certifies that the Neurotechnology implementation tested and identified above meets the accuracy requirements in the WSQ Gray-Scale Fingerprint Image Compression Specification, Version 3.1. This algorithm is the standard for the exchange of 8-bit, 500ppi fingerprint images within the criminal justice community. Please note that the software implementation value (Sf), within the frame header of the compressed image, will be recorded as 10150 and the WSQ encoder algorithm (parameterization) value (Ev) will be set as 2. The certification process is not intended to endorse one implementation over another, but merely to certify that the implementation meets FBI standard.

With regard to this certification, you may include the following statement in informational materials about this product: *The FBI has certified that this implementation meets the accuracy requirements in the Wavelet Scalar Quantization (WSQ) Gray-Scale Fingerprint Image Compression Specification, Version 3.1.* You may not use the name or initials of the FBI otherwise in any manner governed by Title 18 U.S. Code, Section 709, unless specifically authorized to do so. This letter does not authorize you to use the FBI's official seal for any purpose.

Please direct any questions regarding this certification to Mr. Nicky J. Megna at (304) 625-2767.

Sincerely yours,



for Jerome M. Pender  
Deputy Assistant Director  
Information Services Branch  
Criminal Justice Information Services Division



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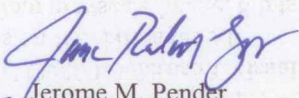
WSQ Implementation Number:	10151
Platform:	Microsoft Windows Vista 64-bit, PC Intel Core 2 Quad CPU Q9400, Microsoft Visual Studio 2008, Software version ID: NImages 3.0
Certification criteria:	500ppi grayscale image, 8 bits per pixel, at 5:1 and 15:1 target compression ratios

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WSQ Implementation Number: 10153  
Platform: Debian GNU/Linux 4.0 amd 64-bit, kernel: 2.6.18, glibc: 2.3.6, PC Intel Core 2 Quad CPU Q9400, gcc 4.1.1, Software version ID: NImages 3.0  
Certification criteria: 500ppi grayscale image, 8 bits per pixel, at 5:1 and 15:1 target compression ratios

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WSQ Implementation Number:	10152
Platform:	Debian GNU/Linux 4.0 i386, kernel: 2.6.18, glibc: 2.3.6, PC Intel Core 2 Quad CPU Q9400, gcc 4.1.1, Software version ID: NImages 3.0
Certification criteria:	500ppi grayscale image, 8 bits per pixel, at 5:1 and 15:1 target compression ratios

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WSQ Implementation Number: 10154  
Platform: Mac OS X 10.4 Intel, Apple Mac Mini, Intel Core Duo  
CPU, gcc 4.2.1, Software version ID: NImages 3.0  
Certification criteria: 500ppi grayscale image, 8 bits per pixel,  
at 5:1 and 15:1 target compression ratios

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WSQ Implementation Number:	10155
Platform:	Mac OS X 10.5 Intel 64-bit, Apple Mac Mini, Intel Core Duo CPU, gcc 4.2.1, Software version ID: NImages 3.0
Certification criteria:	500ppi grayscale image, 8 bits per pixel, at 5:1 and 15:1 target compression ratios

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WSQ Implementation Number: 10156  
Platform: Mac OS X 10.4 Power PC, Apple Mac Mini, PowerPC G4  
CPU, gcc 4.2.1, Software version ID: NImages 3.0  
Certification criteria: 500ppi grayscale image, 8 bits per pixel,  
at 5:1 and 15:1 target compression ratios

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