



U.S. Department of Justice

Federal Bureau of Investigation

Clarksburg, WV 26306

July 1, 2003

Mr. Iron Daher
Griaule
Centro de Tecnologia da UNICAMP
Rua Bernado Sayoa, 100, Cidade Universitaria
13083-866 Campinas-SP-Brazil

Dear Mr. Daher:

The Federal Bureau of Investigation (FBI) and the National Institute of Standards and Technology (NIST) have completed a review of the testing information submitted by Griaule. NIST performed a complete analysis of the Wavelet Scalar Quantization (WSQ) Implementation:

WSQ Implementation:	WSQ
Platform:	Pentium 4
Operating System:	Microsoft Windows 2000
Compiler:	Borland C++ 5.5

Based on the results of the NIST review, the FBI certifies that the Griaule WSQ implementation tested and identified above meets the accuracy requirements in the WSQ Gray-Scale Fingerprint Image Compression Specification. Please note that the software implementation value (sf), within the frame header of the compressed image, will be recorded as 1279. The certification process is not intended to endorse one product over a competitor's product, but merely to certify that the product meets FBI standards.

Please direct any questions on the certification to Mr. Thomas E. Hopper, telephone number (202) 324-3506.

Sincerely yours,

John S. Hooks, Jr.
Deputy Assistant Director
Policy, Administrative and Liaison Branch
Criminal Justice Information Services Division



U.S. Department of Justice

Federal Bureau of Investigation

Clarksburg, WV 26306

February 9, 2006

Mr. Iron Calil Daher
GRIAULE TECNOLOGIA
Centro de Tecnologia da UNICAMP
Rua Bernardo Sayão, 100
13083-866 Campinas-SP-Brazil

Dear Mr. Daher:

The Federal Bureau of Investigation (FBI) and the National Institute of Standards and Technology (NIST) have completed a review of the testing information submitted by *GRIAULE TECNOLOGIA*. NIST performed a complete analysis of the Wavelet Scalar Quantization (WSQ) Implementation:

WSQ Implementation:	WSQ 2.0
Platform:	Intel Pentium IV
Operating System:	Windows XP
Compiler:	Microsoft 32-bit C/C++Version 13.10.3077

Based on the results of the NIST review, the FBI certifies that the *GRIAULE TECNOLOGIA*, WSQ implementation tested and identified above meets the accuracy requirements in the WSQ Gray-Scale Fingerprint Image Compression Specification. Please note that the software implementation value (sf), within the frame header of the compressed image, will be recorded as 43243. The certification process is not intended to endorse one product over a competitor's product, but merely to certify that the product meets FBI standards.

Please direct any questions on the certification to Mr. Thomas E. Hopper, telephone number (202) 324-3506.

Sincerely yours,

Monte C. Strait
Deputy Assistant Director
Policy, Administrative and Liaison Branch
Criminal Justice Information Service Division



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The Federal Bureau of Investigation (FBI) and the National Institute of Standards and Technology (NIST) have completed a review of the testing information submitted by *GRIAULE TECNOLOGIA*. NIST performed a complete analysis of the Wavelet Scalar Quantization (WSQ) Implementation:

WSQ Implementation:	WSQ 2.0
Platform:	Intel Pentium IV
Operating System:	Windows CE 5.0
Compiler:	Microsoft Embedded Visual C++4.0

Based on the results of the NIST review, the FBI certifies that the *GRIAULE TECNOLOGIA*, WSQ implementation tested and identified above meets the accuracy requirements in the WSQ Gray-Scale Fingerprint Image Compression Specification. Please note that the software implementation value (sf), within the frame header of the compressed image, will be recorded as 43244. The certification process is not intended to endorse one product over a competitor's product, but merely to certify that the product meets FBI standards.

Please direct any questions on the certification to Mr. Thomas E. Hopper, telephone number (202) 324-3506.

Sincerely yours,

Monte C. Strait
Deputy Assistant Director
Policy, Administrative and Liaison Branch
Criminal Justice Information Service Division



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Centro de Tecnologia da UNICAMP
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Dear Mr. Daher:

The Federal Bureau of Investigation (FBI) and the National Institute of Standards and Technology (NIST) have completed a review of the testing information submitted by *GRIAULE TECNOLOGIA*. NIST performed a complete analysis of the Wavelet Scalar Quantization (WSQ) Implementation:

WSQ Implementation:	WSQ 2.0
Platform:	Pentium 4
Operating System:	Linux (kernel 2.6.8.1-12)
Compiler:	GNU GCC 3.4.1

Based on the results of the NIST review, the FBI certifies that the *GRIAULE TECNOLOGIA*, WSQ implementation tested and identified above meets the accuracy requirements in the WSQ Gray-Scale Fingerprint Image Compression Specification. Please note that the software implementation value (sf), within the frame header of the compressed image, will be recorded as 43240. The certification process is not intended to endorse one product over a competitor's product, but merely to certify that the product meets FBI standards.

Please direct any questions on the certification to Mr. Thomas E. Hopper, telephone number (202) 324-3506.

Sincerely yours,

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Dear Mr. Daher:

The Federal Bureau of Investigation (FBI) and the National Institute of Standards and Technology (NIST) have completed a review of the testing information submitted by *GRIAULE TECNOLOGIA*. NIST performed a complete analysis of the Wavelet Scalar Quantization (WSQ) Implementation:

WSQ Implementation:	WSQ 2.0
Platform:	ARM920T
Operating System:	Linux (kernel 2.4.21)
Compiler:	GNU GCC 3.3

Based on the results of the NIST review, the FBI certifies that the *GRIAULE TECNOLOGIA*, WSQ implementation tested and identified above meets the accuracy requirements in the WSQ Gray-Scale Fingerprint Image Compression Specification. Please note that the software implementation value (sf), within the frame header of the compressed image, will be recorded as 43242. The certification process is not intended to endorse one product over a competitor's product, but merely to certify that the product meets FBI standards.

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WSQ Implementation:	WSQ 2.0
Platform:	Intel Itanium 2
Operating System:	HP-UX B.11.23
Compiler:	HP AC++/ANSI C B3910B A.06.02

Based on the results of the NIST review, the FBI certifies that the *GRIAULE TECNOLOGIA*, WSQ implementation tested and identified above meets the accuracy requirements in the WSQ Gray-Scale Fingerprint Image Compression Specification. Please note that the software implementation value (sf), within the frame header of the compressed image, will be recorded as 43245. The certification process is not intended to endorse one product over a competitor's product, but merely to certify that the product meets FBI standards.

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