Secure Hash Standard (SHS)
Validation Certificate

Certificate No. 328

The National Institute of Standards and Technology of the United States of America

The Communications Security Establishment of the Government of Canada

The National Institute of Standards and Technology (NIST) and the Communications Security Establishment (CSE) hereby validate the Secure Hash Standard (SHS) testing results of the implementation identified as:

Dekart StdCrypt, Version 2.0

and supplied by:

Dekart SRL

in accordance with the specifications of Federal Information Processing Standard (FIPS) 180-2, Secure Hash Standard, as indicated on the reverse of this certificate. Implementations bearing the same identification and manufactured to the same specifications as the validated implementation may be labeled as complying with FIPS 180-2 as identified in this certificate. No reliability test has been performed and no warranty of the implementation is either expressed or implied.

The validated implementation was tested using the following operating environment (for software implementations, operating environment includes processor and operating system; for firmware implementations, operating environment includes processor only; for hardware implementations, operating environment is not applicable):

Pentium 4 w/ Windows XP

The vendor should be contacted to obtain a list of operating environments which support the validated implementation. Likewise, the vendor should be contacted to obtain a list of products/applications that use the validated implementation.

This certificate must include the following page that details the scope of conformance and presents the validation authorities' signatures.

A NIST testing specification, Secure Hash Standard Validation System (SHAVS), describes a series of tests for implementations of SHA-1, SHA-224, SHA-256, SHA-384, and SHA-512, which is specified in FIPS 180-2 (with Change Notice dated February 25, 2004). The scope of conformance achieved by the algorithm implementation identified as:

Dekart StdCrypt, Version 2.0

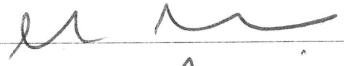
and tested by the accredited Cryptographic Module Testing laboratory: **EWA-Canada LTD, IT Security Evaluation Facility**
NVLAP Lab Code 200556-0
CAVS Version 4.5

is as follows:

Scope of Validation

SHA-256: Tested and validated only for the correct hashing of BYTE-oriented data.
SHA-384: Tested and validated only for the correct hashing of BYTE-oriented data.
SHA-512: Tested and validated only for the correct hashing of BYTE-oriented data.

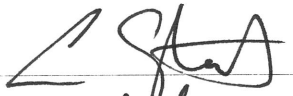
Signed on behalf of the Government of the United States

Signature: 

Date: 14 April 2005

Chief, Computer Security Division
National Institute of Standards and Technology

Signed on behalf of the Government of Canada

Signature: 

Date: April 28 2005

Director, Industry Program Group
Communications Security Establishment