



FOR IMMEDIATE RELEASE

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## Press Release

### **Jetstream Algorithms become NIST Certified and are now FIPS 140-2 Ready** NIST certifies Jetstream's cryptographic IP cores

**Naperville, Illinois, June 14, 2007** – Security silicon IP provider Jetstream Media Technologies announced today that the algorithms of its security IP cores have successfully passed the Cryptographic Algorithm Validation Program (CAVP), a strict governmental testing program for the validation of semiconductor algorithms.

The Federal Information Processing Standard's (FIPS) testing standards were established by the United States National Institute of Science and Technology (NIST) to make sure that products acquired by federal agencies meet rigorous cryptographic standards. The CAVP is a prerequisite to the Cryptographic Module Validation Program (CMVP), which is governed by the Federal Information Processing Standards (FIPS) 140-2. Products that are FIPS 140-2 validated are eligible to be purchased by the U.S. government and its agencies.

The following is a list of Jetstream Media Technologies validated IP cores. For additional validation information consult the NIST website <http://csrc.nist.gov/cryptval/aes/aesval.html>.

- JetAES – Tiny Core – 8-bit datapath
- JetAES – Mini Core – 16-bit datapath
- JetAES – Standard Core – 32-bit datapath
- JetAES – Fast Core – 128-bit datapath
- JetAES – Ultra Fast Core - 128-bit pipelined datapath
- JetDES – Triple DES
- JetCCM – CCM 1 – For IEEE 802.11i WPA2 security
- JetCCM – CCM 4 – For IEEE 802.15.4-2006 and ZigBee™ security
- JetCCM – CCM 7 – High Speed AES-CCM for IPsec security payload
- JetHASH – Secure hashing for SHA-1, SHA-224, SHA-256, SHA 384, and SHA-512

Jetstream's security IP family also includes additional AES/CCM cores, AES/GCM cores, XTS-AES cores, multi-mode cores, a Configurable Secure Hashing core supporting all SHA and MD5, and a PKC accelerator for RSA™. Jetstream will continue its certification process for additional IP cores.

The wide variety of security IP core products offered by Jetstream Media Technologies enables manufacturers to choose the IP core that best suites their application needs. The quality of Jetstream's products can be now further guaranteed through the NIST certification. Additional information about IP cores offered by Jetstream Media Technologies is available at [www.jetsmt.com](http://www.jetsmt.com) or [www.security-cores.com](http://www.security-cores.com).

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**About Jetstream Media Technologies Corporation:** Jetstream Media Technologies is a rapidly growing company in the field of semiconductor intellectual property (IP) cores for the protection of communications, storage and digital contents.