

final determination is made to issue the EFP. After publication of this document in the **Federal Register**, the EFP, if approved, may become effective following a 15-day public comment period.

**Authority:** 16 U.S.C. 1801 *et seq.*

Dated: June 17, 2009.

**Kristen C. Koch,**

*Acting Director, Office of Sustainable Fisheries, National Marine Fisheries Service.*

[FR Doc. E9-14722 Filed 6-22-09; 8:45 am]

**BILLING CODE 3510-22-S**

## DEPARTMENT OF COMMERCE

### National Institute of Standards and Technology

#### Jointly Owned Invention Available for Non-Exclusive, Royalty-Free Licensing for Advanced Encryption Standard S-box Applications

**AGENCY:** National Institute of Standards and Technology, Commerce.

**ACTION:** Notice of jointly owned invention available for non-exclusive, royalty-free licensing for Advanced Encryption Standard S-box applications.

**SUMMARY:** The invention listed below is jointly owned by the U.S. Government, as represented by the Department of Commerce, and the University of Southern Denmark. The Department of Commerce's interest in the invention is available for non-exclusive, royalty-free licensing in the Field of Use of Advanced Encryption Standard S-box applications, in accordance with 35 U.S.C. 207 and 37 CFR part 404 to achieve expeditious commercialization of results of federally funded research and development.

**FOR FURTHER INFORMATION CONTACT:** Technical and licensing information on this invention may be obtained by writing to: National Institute of Standards and Technology, Office of Technology Partnerships, Building 820, Room 213, Gaithersburg, MD 20899. Information is also available via telephone: 301-975-3084, fax 301-975-3482, or e-mail:

*brenda.thomasson@nist.gov*. Any request for information should include the NIST Docket number or Patent number and title for the invention as indicated below. The invention available for licensing is:

[Patent Number Application No. 12/367,660 filed February 9, 2009]

[NIST DOCKET NUMBER: 08-033]

*Title:* A New Technique for Combinational Circuit Optimization and a New Circuit for the S-Box of AES.

**Abstract:** A method of simplifying a combinational circuit establishes an initial combinational circuit operable to calculate a set of target signals. A quantity of multiplication operations performed in a first portion of the initial combinational circuit is reduced to create a first, simplified combinational circuit. The first portion includes only multiplication operations and addition operations. A quantity of addition operations performed in a second portion of the first, simplified combinational circuit is reduced to create a second, simplified combinational circuit. The second portion includes only addition operations. Also, the second, simplified combinational circuit is operable to calculate the target signals using fewer operations than the initial combinational circuit.

A computer-implemented method of simplifying a plurality of formulas establishes a plurality of formulas. The formulas include only addition operations, and the formulas correspond to a portion of a combinational circuit including only addition operations. A basis set including a plurality of input signals is defined. Using a computer, a distance vector is determined that includes one value for each of the plurality of formulas, the one value corresponding to a number of addition operations necessary to calculate a corresponding formula using signals from the basis set. Using the computer, two basis vectors are determined whose sum, when added to the distance vector, reduces at least one value in the distance vector, and the sum is added to the basis set. The steps of determining two basis vectors whose sum, when added to the basis set, reduces at least one value in the distance vector, and adding the sum to the basis set may be selectively repeated until the basis set includes sums corresponding to each of the plurality of formulas.

A combinational circuit for a Substitution-Box for the Advanced Encryption Standard having a total of 115 Boolean gates comprises a first, input portion, a second portion coupled to the first, input portion, and a third, output portion coupled to the second portion. The first, input portion has 23 XOR gates. The second portion has 30 XOR gate and 32 AND gates, and computes the non-linear component of inversion in GF(256). Also, in the second portion 11 of the 30 XOR gates and 5 of the 32 AND gates are operable to perform inversion in GF(16). The third, output portion has 26 XOR gates and 4 XNOR gates.

Dated: June 18, 2009.

**Patrick Gallagher,**

*Deputy Director.*

[FR Doc. E9-14734 Filed 6-22-09; 8:45 am]

**BILLING CODE 3510-13-P**

## DEPARTMENT OF COMMERCE

### National Institute of Standards and Technology

#### Technology Innovation Program Advisory Board

**AGENCY:** National Institute of Standards and Technology; Department of Commerce.

**ACTION:** Notice of public meeting.

**SUMMARY:** Pursuant to the Federal Advisory Committee Act, 5 U.S.C. app., notice is hereby given that the Technology Innovation Program Advisory Board, National Institute of Standards and Technology (NIST) will meet Tuesday, July 7, 2009 from 8:30 a.m. to 3 p.m. The Technology Innovation Program (TIP) Advisory Board is composed of ten members appointed by the Director of NIST who are eminent in such fields as business, research, science and technology, engineering, education, and management consulting. The purpose of this meeting is to review and make recommendations regarding general policy for the Technology Innovation Program, its organization, its budget, and its programs within the framework of applicable national policies as set forth by the President and the Congress. The agenda will include a TIP Update. Agenda may change to accommodate Board business.

**DATES:** The meeting will convene Tuesday, July 7, at 8:30 a.m. and will adjourn at 3 p.m. on Tuesday, July 7, 2009.

**ADDRESSES:** The meeting will be held at the National Institute of Standards and Technology, Administration Building, Employees' Lounge, Gaithersburg, Maryland 20899. Please note admittance instructions under the **SUPPLEMENTARY INFORMATION** section of this notice.

**FOR FURTHER INFORMATION CONTACT:** JoEllen Hansroth, National Institute of Standards and Technology, Gaithersburg, Maryland 20899-4700, telephone number (301) 975-2162. JoEllen's e-mail address is *joellen.hansroth@nist.gov*.

**SUPPLEMENTARY INFORMATION:** The agenda will include a TIP Update. The agenda may change to accommodate Board business. The final agenda will be

posted on the TIP Web site at: <http://www.nist.gov/tip/>.

Individuals and representatives of organizations who would like to offer comments and suggestions related to the Committee's affairs are invited to request a place on the agenda. On July 7, 2009, approximately one-half hour will be reserved for public comments, and speaking times will be assigned on a first-come, first-serve basis. The amount of time per speaker will be determined by the number of requests received, but is likely to be about 3 minutes each. Questions from the public will not be considered during this period. Speakers who wish to expand upon their oral statements, those who had wished to speak but could not be accommodated on the agenda, and those who were unable to attend in person are invited to submit written statements to the TIP Advisory Board, National Institute of Standards and Technology, 100 Bureau Drive, MS 4700, Gaithersburg, Maryland 20899-8610, via fax at (301) 975-4032, or electronically by e-mail to ([lorel.wisniewski@nist.gov](mailto:lorel.wisniewski@nist.gov)).

All visitors to the National Institute of Standards and Technology site will have to pre-register to be admitted. Please submit your name, time of arrival, e-mail address and phone number to JoEllen Hansroth no later than Wednesday, July 1, and she will provide you with instructions for admittance. Ms. Hansroth's e-mail address is [joellen.hansroth@nist.gov](mailto:joellen.hansroth@nist.gov) and her phone number is 301-975-2162.

Dated: June 18, 2009.

**Patrick Gallagher,**

*Deputy Director.*

[FR Doc. E9-14733 Filed 6-22-09; 8:45 am]

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## DEPARTMENT OF COMMERCE

### Census Bureau

[Docket No. 090514913-9954-01]

#### Privacy Act of 1974; System of Records

**AGENCY:** U.S. Census Bureau, Department of Commerce.

**ACTION:** Notice of New Privacy Act System of Records; Commerce/Census-12, Foreign Trade Statistics.

**SUMMARY:** In accordance with the Privacy Act of 1974, as amended, Title 5, United States Code (U.S.C.) 552a(e)(4) and (11); and Office of Management and Budget (OMB) Circular A-130, Appendix I, "Federal Agency Responsibilities for Maintaining Records About Individuals", the

Department of Commerce is issuing notice of intent to establish a new system of records entitled Commerce/Census-12, Foreign Trade Statistics. We invite public comment on the proposed new system announced in this publication.

**DATES:** *Comment Date:* To be considered, written comments on the proposed new system must be submitted on or before July 23, 2009.

*Effective Date:* Unless comments dictate otherwise, the new system will become effective as proposed on the date of publication of a subsequent notice in the **Federal Register**.

**ADDRESSES:** *Please address comments to:* Chief Privacy Officer, Privacy Office, Room HQ-8H168, U.S. Census Bureau, Washington, DC 20233-3700.

**SUPPLEMENTARY INFORMATION:** The purpose of this system of records is to account for the collection, maintenance and use of social security numbers (SSN) for a limited number of individuals, small business owners and sole proprietors without paid employees, where an employer identification number (EIN) does not exist. The Foreign Trade Statistics system and its component parts support the production of the monthly "International Trade in Goods and Services" report, a principal economic indicator, as authorized by Title 13, U.S.C., Section 301. The system consists of (1) the import and export transaction-level records and subsets thereof compiled for production review and control, research, analysis, investigation and customer service purposes, (2) source data systems including the Automated Export System (AES), the Internet front-end system *AESDirect*, and the Automated Foreign Trade Zone Reporting Program (AFTZRP), (3) extract files from U.S. Customs and Border Protection (CBP) systems including the Automated Commercial System (ACS) and the e-214 system for collecting Foreign Trade Zone admissions information, (4) information keyed from paper documents including the CBP Form 7501, Entry Summary; the CBP Form 214, Foreign Trade Zone Admission document; and Commerce Form 7525-V, the Shipper's Export Declaration (SED); and (5) information received from Statistics Canada under the terms of the U.S. and Canada data exchange agreement.

#### Commerce/Census-12

##### SYSTEM NAME:

Foreign Trade Statistics.

##### SECURITY CLASSIFICATION:

None.

##### SYSTEM LOCATION:

Automated Export System (AES), Automated Commercial System (ACS), e-214 System—U.S. Customs and Border Protection (CBP) National Data Center, Washington, DC.

*AESDirect*—Flagship Customs Services, contractor subject to Title 13 restrictions, Silver Spring, Maryland.

Import and Export Transaction Level Files—U.S. Census Bureau Headquarters, Suitland, Maryland and Census Bureau Computer Center, Bowie, Maryland.

##### CATEGORIES OF INDIVIDUALS COVERED BY THE SYSTEM:

Individuals engaged in the importation or exportation of merchandise including but not limited to the Importer of Record, the U.S. Principal Party in Interest (USPPI); the authorized agent of the importer, USPPI or Foreign Principal Party in Interest; consignees (including consignee, intermediate consignee and ultimate consignee); and the filer and the transmitter of an automated record. **Note:** Nearly all of the transactions covered by this system involve only business enterprises. However, a small percentage of transactions involve individuals engaged in the importation or exportation of goods. Such transactions may involve transportation of personal items or business activities.

##### CATEGORIES OF RECORDS IN THE SYSTEM:

Records maintained on individuals engaged in import or foreign trade zone activities include the following data fields: Name, address, telephone number, social security number (SSN), and border crossing number or passport number. Records maintained on individuals engaged in export activities include the following data fields: Name, address, telephone number, e-mail address, and an identifier (employer identification number (EIN) or SSN, border crossing number, or passport number). The remaining information collected contains details of the shipment and its transportation into or out of the United States, or between the United States and Puerto Rico or the U.S. Virgin Islands.

##### AUTHORITIES FOR MAINTENANCE OF THE SYSTEM:

Title 13, U.S.C., Chapter 9; and Foreign Trade Statistical Regulations or its successor document, the Foreign Trade Regulations, both in Title 15, CFR part 30; and Title 19, CFR 24.5.

##### PURPOSE(S):

The records in this system of records are used by the Census Bureau to compile the U.S. merchandise trade