

2000, Tel: (27-11) 835-1565, Fax: (27-11) 496-1161

Trade Show: PAKPROCESS

City, Country: Johannesburg, South Africa

Date: October 1996 (Biennial)

Industry: Packaging Machinery & Equipment

Organizer: Mrs. Dee Reuvers, Specialized Exhibitions, PO Box 2900, Johannesburg 2000, Tel: (27-11) 835-1565, Fax: (27-11) 496-1161

#### Taiwan

Trade Show: TAIPEI INTERNATIONAL SPORTING GOODS

City, Country: Taipei, Taiwan

Date: April 1996 (Annual)

Industry: Sporting Goods

Organizer: China External Trade

Development Council (CETRA), 4-8 Fl., CETRA Tower, 333 Keelung Road, Sec. 1, Taipei, 10548, Taiwan, Tel: (886-2) 725-1111, Fax: (886-2) 757-6653

Trade Show: TAIPEI INTERNATIONAL AUTO & MOTORCYCLE PARTS & ACCESSORIES SHOW

City, Country: Taipei, Taiwan

Date: May 1996 (Annual)

Industry: Auto and Motorcycle Parts

Organizer: China External Trade

Development Council (CETRA), 4-8 Fl., CETRA Tower, 333 Keelung Road, Sec. 1, Taipei, 10548, Taiwan, Tel: (886-2) 725-1111, Fax: (886-2) 757-6653

Trade Show: TAIPEI INTERNATIONAL TOY SHOW

City, Country: Taipei, Taiwan

Date: October 1996 (Annual)

Industry: Toys

Organizer: China External Trade

Development Council (CETRA), 4-8 Fl., CETRA Tower, 333 Keelung Road, Sec. 1, Taipei, 10548, Taiwan, Tel: (886-2) 725-1111, Fax: (886-2) 757-6653

#### Turkey

Trade Show: MEDICAL & HOSPITAL FAIR '95

City, Country: Istanbul, Turkey

Date: October 4-8, 1995

Industry: Medical and Hospital Equipment

Organizer: Ms. Aysum Goktepe, International Relations Manager, CNR-International Fair Organizers, World Trade Center, Cobancesme Kavsagi, Yesilkoy 34830, Istanbul, Tel: (90-212) 663-0945, Fax: (90-212) 663-0975.

Dated: January 6, 1995.

#### Mary Fran Kirchner,

Chairman, Trade Events Board, International Trade Administration.

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#### National Institute of Standards and Technology

[Docket No. 941258-4358]

#### Establishment of the Initial Graphics Exchange Specification (IGES) Test Service, Which Tests an Implementation's Conformance to the Federal Information Processing Standard (FIPS) 177 and/or the Continuous Acquisition and Life-Cycle Support (CAL S) MIL-D-28000, Class II Subset (Engineering Drawings)

AGENCY: National Institute of Standards and Technology (NIST), Commerce.

ACTION: Notice of establishment of the IGES Test Service for testing conformance to FIPS 177, Initial Graphics Exchange Specification (IGES), and/or the CALS, MIL-D-28000, Class II subset, and to solicit comments on the Test Service.

SUMMARY: The goal of FIPS 177 is to maximize the probability of successful data exchange between dissimilar computer-aided design and computer-aided manufacturing (CAD/CAM) systems. The Text Service supports the implementation of FIPS 177 by ensuring that the basic concepts and geometry of IGES are correctly implemented; as such, it provides an effective means of assessing the fundamental capabilities of IGES processors.

The testing methodology for the IGES test program is to determine whether a given preprocessor or postprocessor is able to create or read conforming data files. Emphasis will be placed on single entity testing, as it is considered the basic building block for more complex structures.

DATES: The test service for FIPS 177 was established on October 1, 1994. The test services for MIL-D-28000, Class II subset, was established on Number 1, 1994.

ADDRESSES: Written comments concerning the IGES Test Service should be sent to: National Institute of Standards and Technology, ATTN: IGES Test Service, Technology Building, Room A266, Gaithersburg, MD 20899.

FOR FURTHER INFORMATION CONTACT: Lynne Rosenthal or Jacki Schneider, National Institute of Standards and Technology, Gaithersburg, MD 20899, Phone: (301) 975-3265, email: lrosenthal@nist.gov or jschneider@nist.gov.

#### SUPPLEMENTARY INFORMATION:

#### Background

Both the FIPS 177 and MIL-D-28000 adopt the American National Standard Digital Representation for

Communication of Product Definition Data, ASME/ANSI Y14.26M-1989, the equivalent of IGES Version 4.0. IGES specifies file structure and syntactical definition, and defines the representation of geometric, topological, and nongeometric product definition data.

FIPS 177 addresses IGES implementation acquisition, interpretation, and conformance. It includes conformance requirements for processors as well as data files. MIL-D-28000 defines 5 classes of data by application area (i.e., subset or application protocol) and limits the use of IGES entities to those in the specified class. The primary objective of MIL-D-28000 is to accelerate the operation, exchange, and standardization of digital information systems acquisition and support.

The Computer Systems Laboratory (CSL) at NIST provides a conformance testing service for the FIPS 177 in support of government agencies' acquisition activities. CSL has been tasked by the CALS office to establish the IGES test service for MIL-D-28000, Class II subset.

The testing of IGES files to determine the degree to which they conform to the Federal standards may be required by government departments and agencies in accordance with Federal Information Resources Management Regulation (FIRMR) 201-20.303, 201-20.304, 201-39.1002, the associated Federal ADP and Telecommunication Standards Index, and as specified by FIPS 177.

Conformance testing will benefit CAD/CAM system developers, vendors, and users through increased quality assurance and progress toward open systems.

#### Obtaining Validation Services

The NIST provides the validation test service on a cost-reimbursable basis. These services are available to both the producers and users of CAD/CAM products. Upon request, NIST will supply the Client with an IGES Information Pack which will include a description of the test service and procedures.

Dated: January 10, 1995.

Samuel Kramer,

Associate Director.

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