



BACKGROUND INFORMATION U.S. STANDARDS DIRECTORY

U.S.–India Standards and Conformance Cooperation Program (SCCP)

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INFORMATION TECHNOLOGY EQUIPMENT (ICS 35.160-35.200)

Introduction

Information technology equipment includes microprocessors and peripherals, as well as interface and connection equipment.

Feedback from Indian stakeholders in the government and private sector

Activities of GOI ministries in the area of IT equipment indicate that the Indian government places a medium-level priority on developments in the sector. Based on feedback from CII, IT equipment is an important sector within Indian industry.

Indian standards and regulatory developments

To ANSI's knowledge, there are not currently any draft Indian Standards (IS) pertaining to IT equipment in progress. The full list of relevant Indian Standards may be found in [BIS' online catalog](#). BIS has indicated that it is evaluating the possibility of implementing a registration program for selected IT products. This program would rely on suppliers' declaration that included products meet specified voluntary or mandatory standards.

Under the Indian [Ministry of Communications and Information Technology, Department of Information Technology](#), the [Standardization Testing and Quality Certification \(STQC\)](#) Directorate provides quality assurance services in the area of electronics and IT.

Concentration of Indian SMEs in industry sector

According to the Indian [Ministry of Micro, Small and Medium Enterprises](#), it is estimated that Indian micro and small enterprises account for 39% of the manufacturing output and 33% of the total export of the country. In the IT equipment sector specifically, there is not a significant concentration of SME's. However, India's import of telecom equipment from the U.S. and other markets supports the Indian ICT services industry, which has a high concentration of Indian SME's.

Bilateral U.S. – India trade flows

According to the [U.S. Census Bureau's Foreign Trade Statistics](#), the following table lists the total value of Indian exports to the U.S., and U.S. exports to India for the last three years:

Total IT Sector	2006	2007	2008
U.S. Exports to India	\$1.8 billion	\$2 billion	\$2.1 billion
India Exports to U.S.	\$812.9 million	\$757.1 million	\$992.2 million

(computer and electronic products)

The data reflects a continued upward trend in bilateral trade for the sector, with a slight dip in Indian exports from 2006 to 2007, but recovering in 2008.

The U.S. Commercial Service listed computers and peripherals, as well as telecommunications equipment as leading sectors for U.S. export and investment for 2008¹. According to the India Country Commercial Guide, the Indian IT industry is expected to continue its high growth rates in the next five years.

Relationship to U.S. Gross Domestic Product (GDP)

In addition to the trade data listed above, ANSI has prepared information on the contribution of the IT sector to the total U.S. GDP. Information was available through 2007, and data for 2005-2007 is listed in the table below².

	2005	2006	2007
Total U.S. GDP	\$12.4 trillion	\$13.1 trillion	\$13.8 trillion
Value IT sector	\$133.7 billion	\$144.4 billion	\$146.3 billion
% of Total U.S. GDP	1.077%	1.096%	1.060%

(computer and electronic products)

Priority placed on standardization within the U.S. sector

The U.S. is highly active in standardization for IT equipment. The U.S. holds the ISO/IEC secretariat for JTC 1 (information technology). In addition, U.S.-based standards developers such as INCITS are active in developing standards for IT Equipment. U.S. trade associations such as the National Electrical Manufacturers Association (NEMA) and the Telecommunications Industry Association (TIA) are also active in advancing their members' priorities related to standardization. StandardsPortal contains profiles for INCITS, UL, and NEMA, as well as FM Approvals for conformity assessment.

¹ India Country Commercial Guide, 2008, U.S. Commercial Service
(http://www.buyusainfo.net/docs/x_5005650.pdf)

² U.S. Bureau of Economic Analysis (<http://www.bea.gov>)