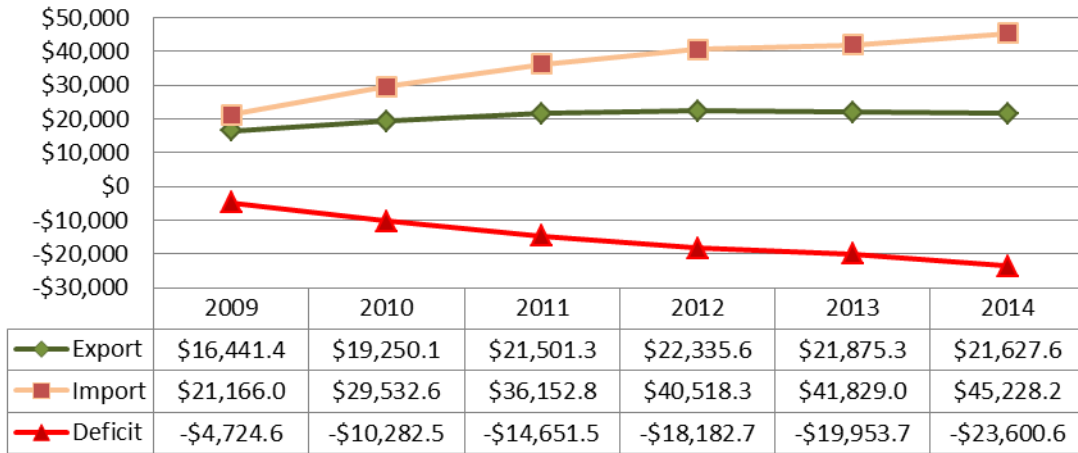


Statistical Analysis of U.S. Trade with India for Calendar Year 2014

Office of Technology Evaluation

In 2014, U.S. exports to India were \$21.6 billion, a 1.1% (\$247.7 million) decrease from 2013; U.S. imports from India were \$45.2 billion, an 8.1% (\$3,399.2 billion) increase; and the trade deficit was \$23.6 billion, a 18.3% (\$3,646.9 billion) increase.

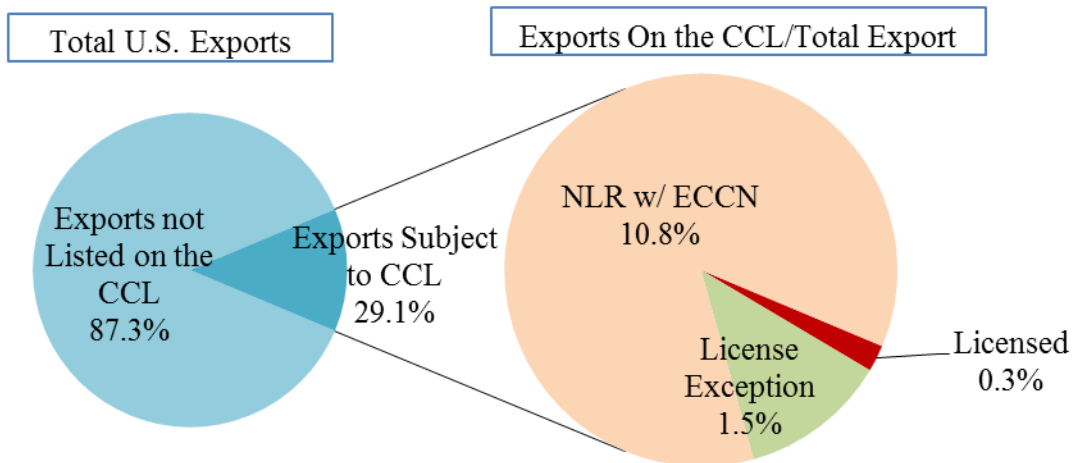
U.S. Trade with India 2009-2014
\$ millions



Source: The U.S. Census Bureau, Automated Export System, February 2015

In 2014, only \$60.2 million (0.3% of total exports to India) was exported under a license authorization from the Bureau of Industry and Security (BIS).

2014 U.S. Exports to India Subject to the CCL

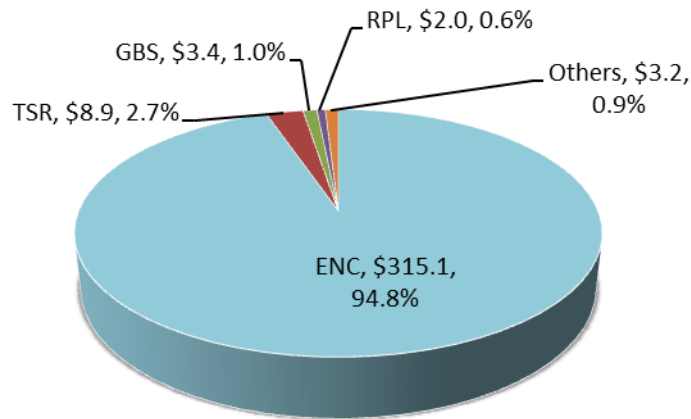


Source: The U.S. Census Bureau, Automated Export System, June 2015

Note: For the purpose of this report, exports not listed on the CCL include EAR99 items and items under No License Required (NLR) designation, and exports regulated by other government agencies.

Of the \$332.6 million in U.S. exports to India under a BIS license exception in 2014, \$315.1 million (94.8% of the total) included encryption commodities, software and technology (ENC), followed by Restricted Technology and Software (TSR) at 2.7%.

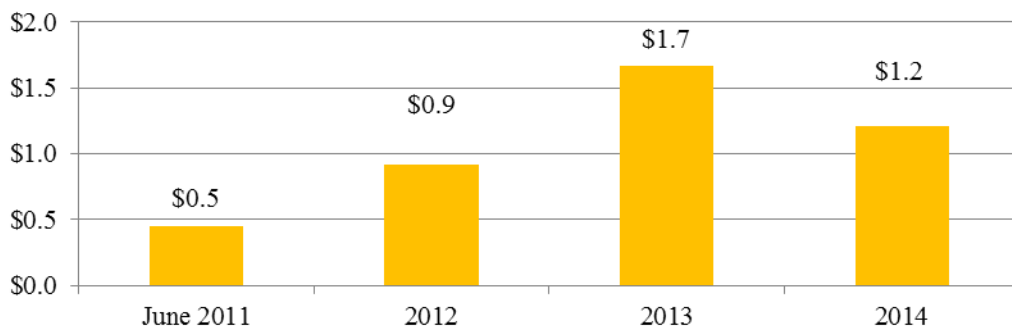
**2014 Exports to India by BIS License Exceptions
(Smillions)**



Source: The U.S. Census Bureau, Automated Export System, June 2015

In 2014, \$1.2 million was exported under license exception Strategic Trade Authorization (STA), representing a 27.1% decrease from 2013.

**Strategic Trade Authorization
2011 - 2014
Smillion**



Source: Automated Export System, June 2015

2014 U.S. Exports to the EU by ECCN and BIS License Designation

Top Four Exports by ECCN to India by Value – Licensed

<u>ECCN</u>	<u>Description</u>
2B001	Machine Tools and Any Combination Thereof
3A001	Electronic Components and Specially Designed Components
5A002	"Information security" systems, equipment and components
3A233	Mass spectrometers

Top Four Exports by ECCN to India by Value– License Exception

<u>ECCN</u>	<u>Description</u>
5A002	Information Security Systems Equipment
5B002	Information security test, inspection and production equipment
6D003	Software, other
5D002	Information Security Software

Top Four Exports by ECCNs to India by Value – NLR

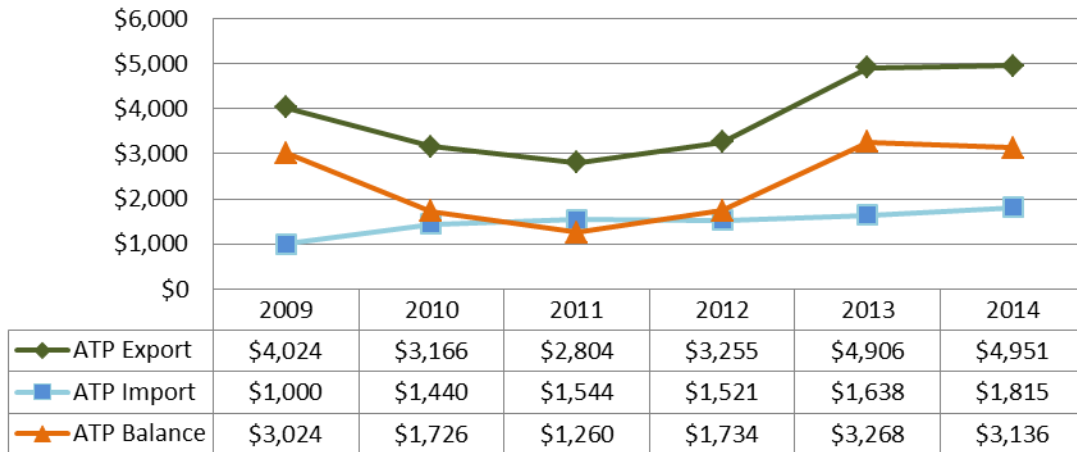
<u>ECCN</u>	<u>Description</u>
9A991	Aircraft and gas turbine engines
5A991	Telecommunication Equipment
5A992	Low-Level Information Security Systems and Equipment
4A994	Computers, "electronic assemblies", and related equipment

Source: Automated Export System, June 2015

Exports of Advanced Technology Products (ATP) to China

In 2014, U.S. ATP exports to India were \$5.0 billion, a 0.9% (\$0.1 billion) increase from 2013. U.S. ATP imports from India were \$1.8 billion, a 10.8% (\$0.2 billion) increase. The ATP trade surplus decreased by 4.0%, from \$3.3 billion to \$3.1 billion.

U.S. ATP Trade with India 2009 - 2014
Smillions



Source: Census Bureau Trade Statistics, June 2015

Advanced Technology Products (ATP) - Approximately 500 of some 22,000 Harmonized System commodity classification codes contain products from ten recognized high technology categories (e.g., biotechnology, aerospace).

\$5.0 billion (22.9% of U.S. exports to India) were considered ATP items. Of these, 0.4% was shipped under a BIS license.

ATP Exports to India (\$millions)

ATP Category	2009	2010	2011	2012	2013	2014	% of the Total	% change from 2013
Biotechnology	36	44	47	51	62	74	1.5%	19.4%
Life Science	449	511	567	614	614	609	12.3%	-0.8%
Opto-Electronics	44	61	159	111	38	41	0.8%	7.9%
Information & Communications	954	931	894	768	793	905	18.3%	14.1%
Electronics	170	173	162	169	153	160	3.2%	4.6%
Flexible Manufacturing	122	175	233	216	253	251	5.1%	-0.8%
Advanced Materials	8	5	7	10	24	14	0.3%	-41.7%
Aerospace	2,236	1,261	727	1,307	2,932	2,859	57.7%	-2.5%
Weapons	1	2	3	3	29	32	0.6%	10.3%
Nuclear Technology	5	3	5	6	9	6	0.1%	-33.3%
Grand Total	4,024	3,166	2,804	3,255	4,906	4,951	100.0%	0.9%

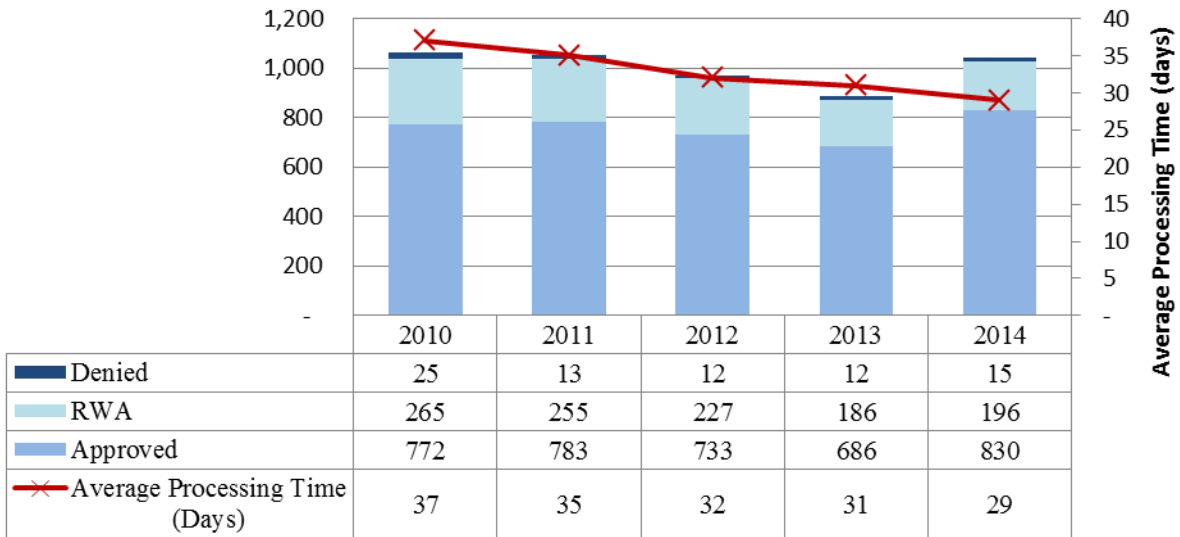
Source: The U.S. Census Bureau Trade Statistics, June 2015

BIS Licensing for Items Destined to India

Exports to India are controlled under the Export Administration Regulations (EAR) for CB:1, CB:2, NP:1, NS:1, NS:2, MT:1, and RS:1 reasons.¹

In 2014, BIS reviewed 1,041 export/re-export applications (not including deemed export applications) for India. Of these, 830 (79.7%) were approved; and 15 (1.3%) were denied.

**Licenses for Tangible Items, Software and Technology for India by Count
2010-2014**

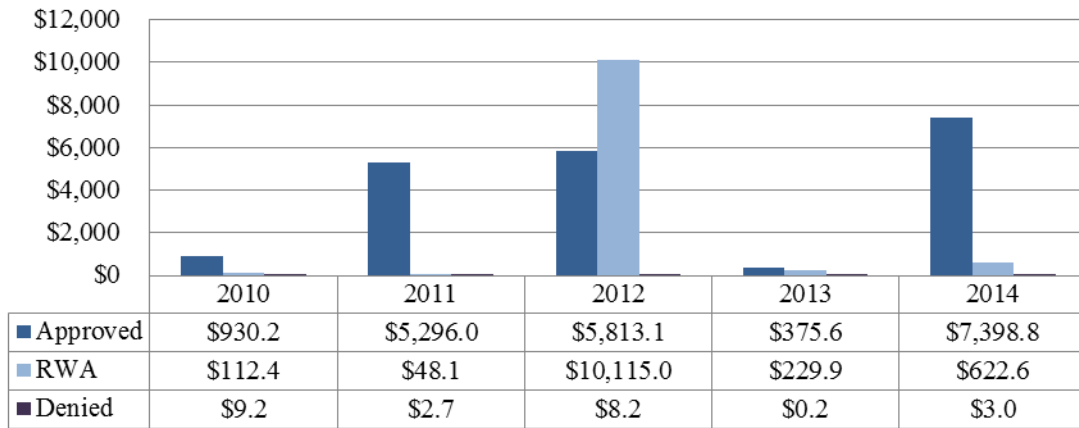


Source: Commerce U.S. Exports Exporter Support System, March 2015

Note: Figures above do not include deemed export applications.

¹ Reasons for control NS:2, CC:1, and CC:3 also applied to India until January 23, 2015.

**Licenses for Tangible Items, Software and Technology for India by
Value 2010-2014
Smillions**



Source: Commerce U.S. Exports Exporter Support System, March 2015

In 2014, BIS approved 29 deemed export applications for India, compared to 978 approved worldwide.

Summary of U.S. Exports to India Calendar Year 2014			
	Value (\$million)	ATP to Total Exports	
Total Exports	\$21,628		
Total ATP Exports	\$4,951	22.9%	
Detailed Summary of EAR-Controlled Exports			
AES License Type	Value (\$million)	Percentage	Percentage Description
Licenses	\$59.8	99.4%	
SCL	\$0.4	0.6%	
Total of Licensed	\$60.2	0.3%	% of total licensed/total exports
Limited Value Shipments (LVS)	\$0.1	0.02%	
Shipments to Group B Countries (GBS)	\$3.4	1.0%	
Restricted Technology and Software (TSR)	\$8.9	2.7%	
Temporary Imports, Exports, and Re-Exports (TMP)	\$1.4	0.4%	
Servicing and Replacement of Parts and Equipment (RPL)	\$2.0	0.6%	
Government and International Organizations (GOV)	\$0.1	0.0%	
Gift Parcels and Humanitarian Organizations (GFT)	\$0.004	0.0%	
Technology and Software Restricted (TSU)	\$0.3	0.1%	
Encryption Commodities and Software (ENC)	\$315.1	94.8%	
Computers (APP)	\$0.1	0.0%	
Strategic Trade Authorization (STA)	\$1.2	0.4%	
Total of License Exceptions	\$332.6	84.7%	% of total license exceptions/total subject to license requirement
Total subject to license requirement	\$392.7	2.2%	% of total Licensed/total listed to CCL
NLR containing an ECCN	\$2,339.5	10.8%	
DY6	\$4.7	0.02%	
Total of NLR with an ECCN	\$2,344.3	10.8%	% of total NLR/total export
Total listed on the CCL (Licensed, License Exceptions, and NLR with an ECCN)	\$2,737.0	12.7%	% of total listed on the CCL/total exports
ATP Licensed	\$17.8	0.4%	% of ATP licensed/total ATP Exports
ATP License Exceptions	\$309.3	6.2%	% of ATP license exceptions/total ATP Exports
ATP Exports subject to license requirement (Licensed and License Exceptions)	\$327.2	94.6%	% of ATP license exceptions/ATP exports subject to BIS license requirement
Source: U.S. Census Bureau, Foreign Trade Division and Automated Export System Data			