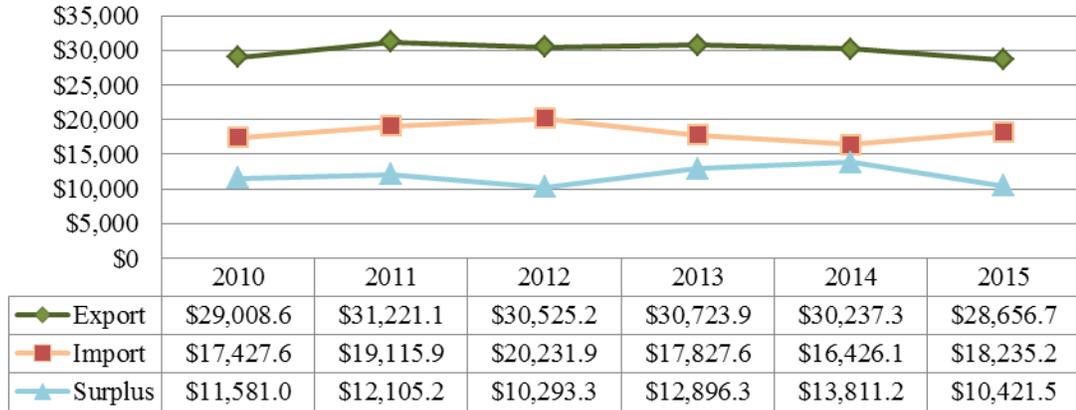


Statistical Analysis of U.S. Trade with Singapore for Calendar Year 2015

I. The U.S Trade with Singapore¹

U.S. Trade with Singapore 2010-2015

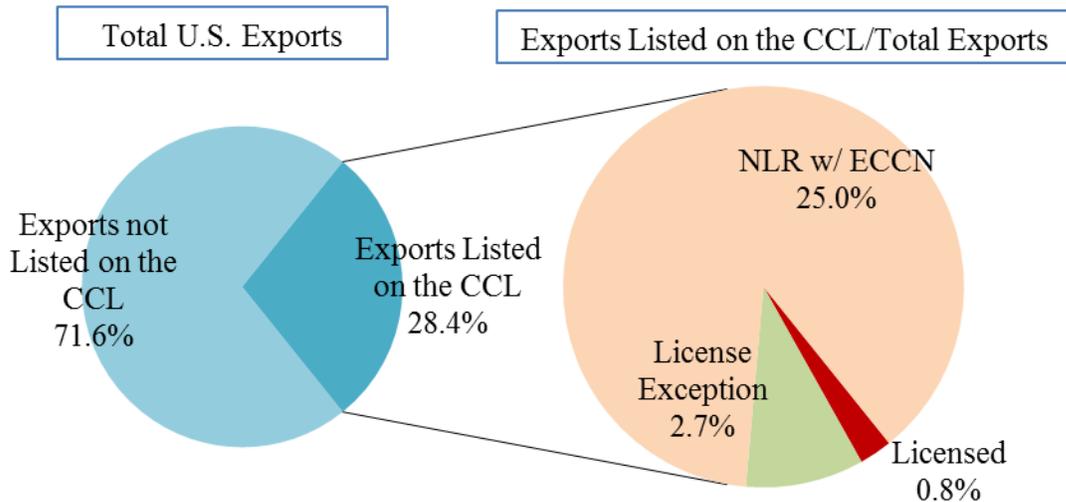
\$millions



In 2015, the U.S. exports to Singapore valued \$28.7 billion, a 5.2% (\$1.6 billion) decrease from 2014; the U.S. imports from Singapore were \$18.2 billion, a 11.0% (\$1.8 billion) increase; and the trade surplus was \$10.4 billion, a 24.5% (\$3.4 billion) decrease.

II. Impact of BIS Export Controls on U.S. – Singapore Trade²

2015 U.S. Exports to Singapore Listed on the CCL



Note: For the purpose of this report, exports not listed on the Commerce Control List (CCL) include EAR99 items and items under No License Required (NLR) designation without an Export Control Classification Number (ECCN), and exports regulated by other government agencies.

¹ Source: U.S. Census Bureau Trade Statistics, February 8, 2016.

² Source: U.S. Census Bureau Trade Statistics and Automated Export System (AES), February 8, 2016

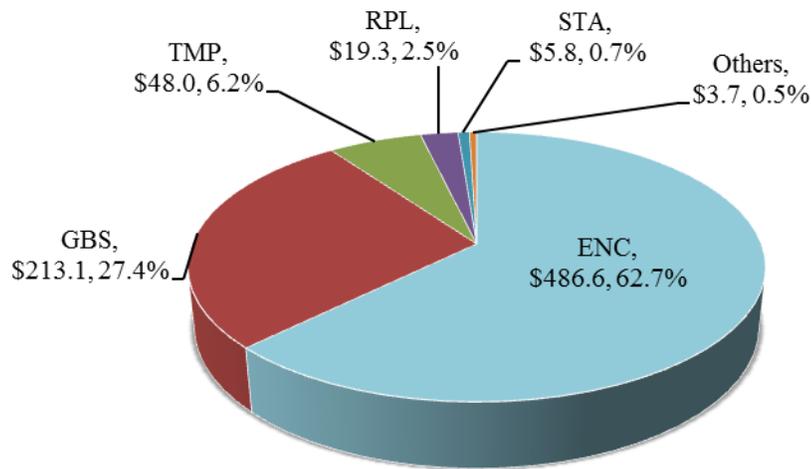
Of the \$28.7 billion in U.S. exports to Singapore in 2015, only 0.8% required *a BIS license*.

Of the \$8.1 billion in U.S. exports *of items listed on the Commerce Control List (CCL)*³ to Singapore in 2015, 2.7% required a BIS license.

Of the \$993.0 million in U.S. exports *subject to a BIS license requirement* to Singapore in 2015, 78.2% were exported under a BIS license exception.

In 2015, the U.S. exports to Singapore shipped under a BIS license exception valued \$776.6 million, of which, \$486.6 million (62.7% of the total) included encryption commodities, software and technology (ENC), followed by shipments to Group B countries (GBS) with \$213.1 million (27.4%).

2015 U.S. Exports to Singapore by BIS License Exception
\$millions



ENC	Encryption Commodities, Software and Technology
GBS	Shipments to Group B Countries
TMP	Temporary Imports, Exports, Re-exports, and Transfer (in-country)
RPL	Servicing and Replacement of Parts and Equipment
STA	Strategic Trade Authorization

³ The items listed on the CCL include Licensed, License Exceptions and NLR with an ECCN & .y 600-series.

III. 2015 Trends in Exports by ECCN and License Designation⁴

Top Four Exports by ECCNs by Value – Licensed (\$millions)

ECCN	Description	Value
9A610	Military aircraft and related commodities	\$70.8
9A619	Military gas turbine engines and related commodities	\$23.7
2A983	Explosives or detonator detection equipment	\$14.2
3B001	Equipment for the Manufacturing of Semiconductor Devices	\$12.3

Top Four Exports by ECCNs by Shipment Count – Licensed

ECCN	Description	Shipment Count⁵
9A610	Military aircraft and related commodities	2,166
2B230	Pressure transducers	930
9A619	Military gas turbine engines and related commodities	732
2B350	Chemical manufacturing facilities and equipment	523

Top Four Exports by ECCNs by Value – License Exception (\$millions)

ECCN	Description	Value
5A002	Information Security Systems Equipment	\$477.1
3B001	Equipment for the Manufacturing of Semiconductor Devices	\$177.8
2B350	Chemical manufacturing facilities and equipment	\$41.7
3A001	Electronic Components and Specially Designed Components	\$29.0

Top Four Exports by ECCNs by Value – NLR (\$millions)

ECCN	Description	Value
9A991	Aircraft and gas turbine engines	\$5,338.9
3B991	Equipment not controlled by 3B001 for the manufacture of electronic components and materials	\$317.5
5A991	Telecommunication equipment not controlled by 5A001	\$280.3
5A992	Low-Level Information Security Systems and Equipment	\$228.7

⁴ Source: AES, March 9, 2016

⁵ Shipments are defined as exports being sent from one order party to one consignee located in a single country of destination on a single conveyance on the same day.

IV. Analysis of U.S.-Singapore Trade in Advanced Technology Products (ATP)⁶

U.S. ATP Trade with Singapore 2010 - 2015
\$millions



In 2015, the U.S. ATP exports to Singapore valued \$11.2 billion, a 12.4% (\$1.2 billion) increase from 2014; the U.S. ATP imports from Singapore were \$6.9 billion, a 19.9% (\$1.1 billion) increase; and the trade surplus was \$4.4 billion, a 2.5% (\$106 million) increase.

The U.S. ATP Exports to Singapore 2010 -2015
\$millions

ATP Category	2010	2011	2012	2013	2014	2015	% of Total	% change from 2014
Biotechnology	26	35	78	102	139	129	1.1%	-7.2%
Life Science	606	733	797	919	852	877	7.8%	2.9%
Opto-Electronics	263	138	167	197	172	190	1.7%	10.5%
Information & Communications	2,083	2,179	1,990	1,913	1,957	1,838	16.3%	-6.1%
Electronics	2,948	2,280	1,861	1,920	1,854	1,500	13.3%	-19.1%
Flexible Manufacturing	912	784	530	568	655	724	6.4%	10.5%
Advanced Materials	85	87	64	64	61	69	0.6%	13.1%
Aerospace	3,871	3,965	4,035	3,835	4,275	5,842	51.9%	36.7%
Weapons	92	40	9	8	37	73	0.6%	97.3%
Nuclear Technology	7	10	11	6	6	5	0.04%	-16.7%
Grand Total	8,176	10,892	10,252	9,543	10,009	11,247	100.0%	12.4%

In 2015, the largest categories of U.S. ATP exports to Singapore were comprised of Aerospace at \$5.8 billion (51.9% of the total); Information and Communications at \$1.8 billion (16.3%); and Electronics at \$1.5 billion (13.3%).

In 2015, 39.2% (\$11.2 billion) of U.S. exports to Singapore were considered ATP items. Of these, 1.1% required a *BIS license*.

Of the \$769.9 million in U.S. *ATP exports subject to a BIS license requirement* to Singapore in 2015, 84.4% were exported under license exceptions.

⁶ Source: U.S. Census Bureau Trade Statistics, February 8, 2016

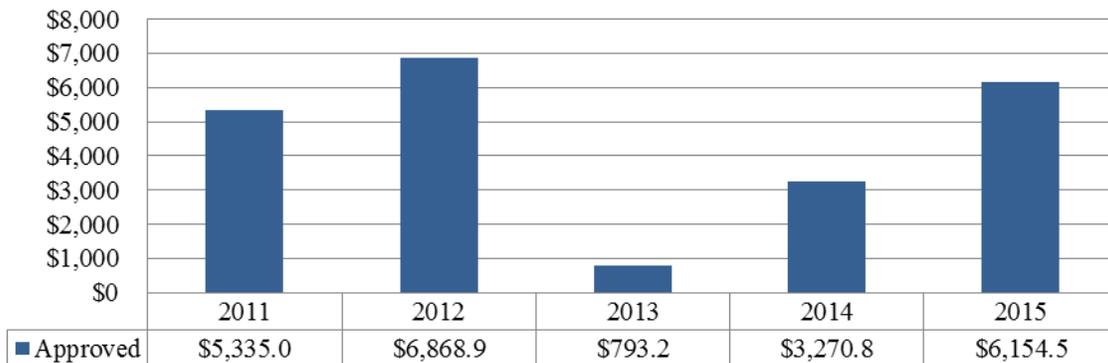
Advanced Technology Products: about 500 of some 22,000 commodity classification codes contain products from a recognized high technology category (e.g., Biotechnology).

V. 2015 Trends in Singapore Licensing⁷

Licenses for Tangible Items, Software and Technology By Count for Singapore 2011-2015



Licenses for Tangible Items, Software and Technology for Singapore 2011-2015
\$millions



Note: Figures above do not include deemed export applications.

In 2015, BIS reviewed 1,097 export/re-export applications (not including deemed export applications) valued at \$6.9 billion for Singapore, out of a total 35,018 applications worldwide valued at \$561.3 billion.

- Approved applications for Singapore totaled 1,000 (91.2% of the total applications) for \$6.2 billion, compared to the 29,283 (83.6%) approved applications valued at \$505.1 billion for all destinations.

Additionally, BIS approved 2 deemed export application for Singapore, compared to 1,211 approved worldwide.

⁷ Source: Commerce U.S. Exports Exporter Support System (CUESS), retrieved on February 8, 2016.