



I. Total U.S. Trade with the World

In 2017, U.S. exports totaled \$1.5 trillion, a 6.6% (\$95.7 billion) increase from 2016 and slightly surpassed the last five years of average of U.S. exports; U.S. imports totaled \$2.3 trillion, a 7.1% (\$155.1 billion) increase from 2016, surpassed the last five years of average of U.S. Imports; and the trade deficit was \$796.2 billion, an 8.1% (\$59.4 billion) increase from 2016, setting a new record high trade deficit.



	2012	2013	2014	2015	2016	2017	2012-2016 Average
EXPORTS	\$1,545,820.8	\$1,578,516.9	\$1,621,873.8	\$1,503,101.5	\$1,451,010.7	\$1,546,732.9	\$1,540,064.7
Δvalue	--	\$32,696.0	\$43,356.9	-\$118,772.3	-\$52,090.8	\$95,722.2	
Δpct	--	2.1%	2.7%	-7.3%	-3.5%	6.6%	
IMPORTS	\$2,276,267	\$2,267,987	\$2,356,356	\$2,248,183	\$2,187,805	\$2,342,905	\$2,267,319.6
Δvalue	--	-\$8,280.4	\$88,369.3	-\$108,172.8	-\$60,378.4	\$155,100.3	
Δpct	--	-0.4%	3.9%	-4.6%	-2.7%	7.1%	
BALANCE	(\$730,446.3)	(\$689,469.9)	(\$734,482.3)	(\$745,081.8)	(\$736,794.2)	(\$796,172.2)	(\$727,254.9)
Δvalue	--	\$40,976.5	(\$45,012.4)	(\$10,599.5)	\$8,287.6	(\$59,378.1)	
Δpct	--	-5.6%	6.5%	1.4%	-1.1%	8.1%	

Values in Millions of U.S. Dollars. Source: U.S. Census Bureau USATrade Portal February 9, 2018



Of the \$1.5 trillion in U.S. exports in 2017, the top commodity sectors were machinery and mechanical appliances (24.3%), transportation equipment (17.2%) and chemicals, plastics, leather products (15.5%).

Of the \$2.3 trillion in U.S. imports in 2017, the top commodity sectors were machinery and mechanical appliances (29.6%), transportation equipment (13.9%) and chemicals, plastics, leather products (12.4%).

Imports from World Total by Sector	World Total Commodity Trade 2017	US exports to World Total by Sector
\$2,342,905,114,674	Total Value All Commodities	\$1,546,732,880,975
6.2%	Agriculture (Chapters 01-24)	9.3%
8.6%	Minerals (Chapters 25-27)	9.5%
12.4%	Chemicals, Plastics, Leather (Chapters 28-43)	15.5%
1.9%	Wood Products (Chapters 44-49)	2.5%
6.0%	Textiles and Footwear (Chapters 50-67)	1.8%
3.4%	Stone, Glass, & Semiprecious Metals (Chapters 68-71)	4.7%
5.5%	Base metals (Chapters 72-83)	4.4%
29.6%	Machinery (Chapters 84-85)	24.3%
13.9%	Transportation (Chapters 86-89)	17.2%
3.9%	Optical, Measuring, Medical or Other Instruments (Chapters 90-92)	5.5%
0.1%	Arms & Ammunition (Chapter 93)	0.3%
4.3%	Miscellaneous Manufactured Items (Chapters 94 -96)	1.3%
0.4%	Art & Antiques (Chapter 97)	0.8%
3.9%	Special Items (Chapters 98-99** Imports only 99)	2.9%

Source: U.S. Census Bureau USATrade Portal retrieved February 10, 2018



II. Exports to the World subject to US Government Filing Requirements

In 2017, U.S. exported \$1.5 trillion in goods, of which \$42.1 billion (2.7% of the total exports) was exported under a government license:

- \$5.4 billion was licensed by BIS, a decrease of 25.0% (\$1.8 billion less)
- \$28.1 billion was licensed under ITAR, a decrease of 16.5% (\$5.5 billion less)
- \$8.6 billion was licensed by NRC, OFAC and other government agencies, an increase of 12.9% (\$1.0 billion more).

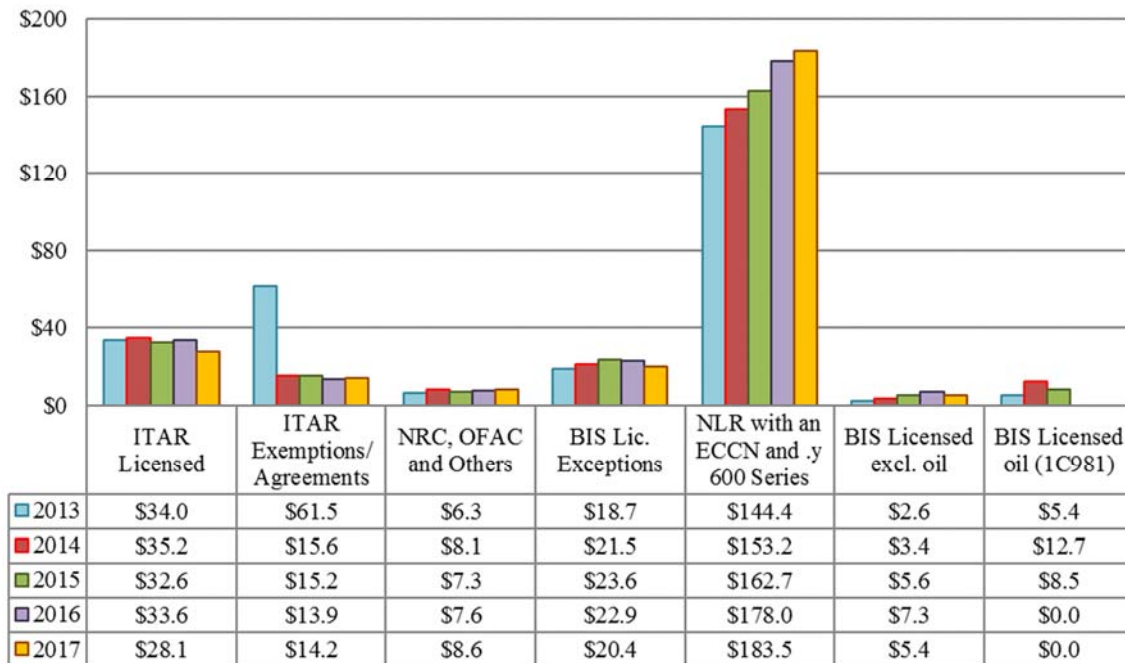
In 2017, \$34.6 billion (2.2% of the total exports) was exported under a government license exception/exemption/ agreement:

- \$20.4 billion was under BIS license exceptions (C35-C59, C62), a decrease of 11.1% (\$2.5 billion less)
- \$14.2 billion was under ITAR license exemption/agreements, an increase of 2.1% (\$0.3 billion more)

In 2017, \$183.5 billion (11.9%) was exported under No License Required (NLR):

- \$183.2 billion was under NLR with an ECCN reported (not including EAR99).
- \$216.9 million was under NLR for .y 600-Series items.

U.S. Government Control on Exports CY 2013-2017
\$billion

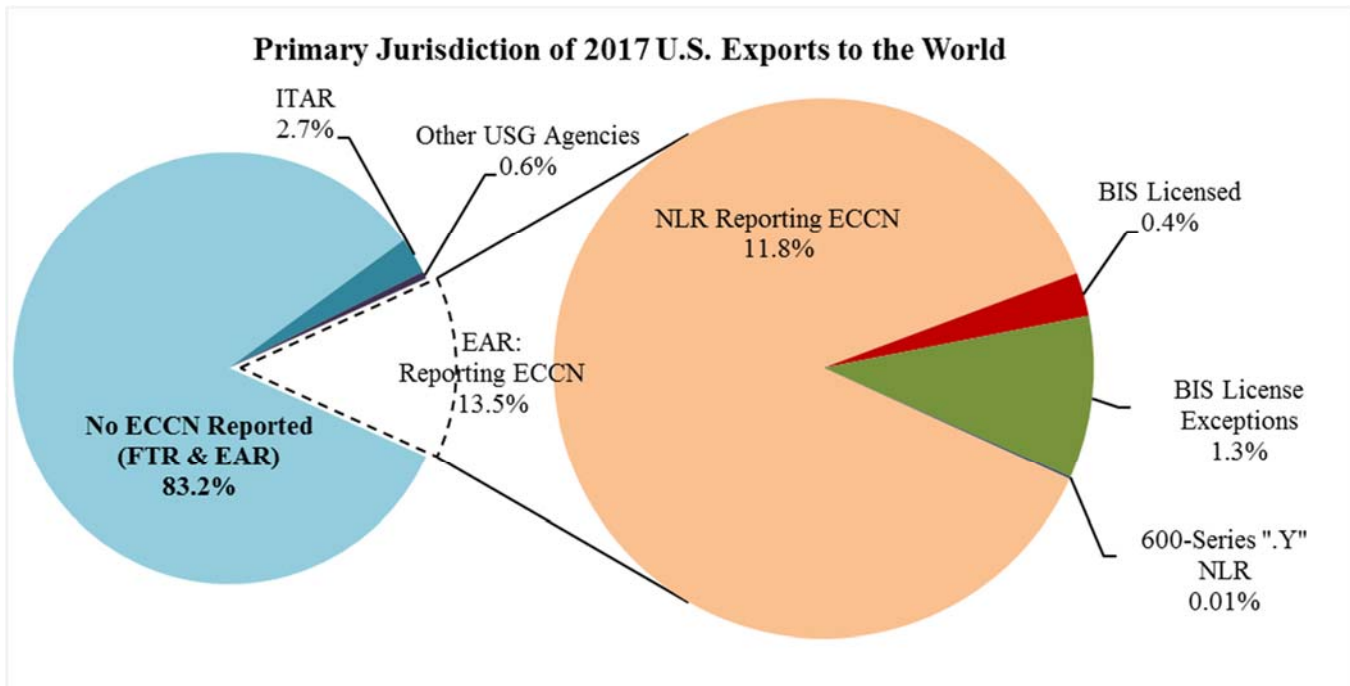


Source: Automated Export System, February 20, 2018



Of the \$1.5 trillion in U.S. exports to the World in 2017:

- 1.7% were subject to a BIS license requirement:
 - 0.4% was exported under a BIS license.
 - 1.3% was exported under a BIS license exception.
- 11.8% were exported under No License Required (NLR) with an ECCN reported and 0.01% was exported under NLR for .y 600-series items.

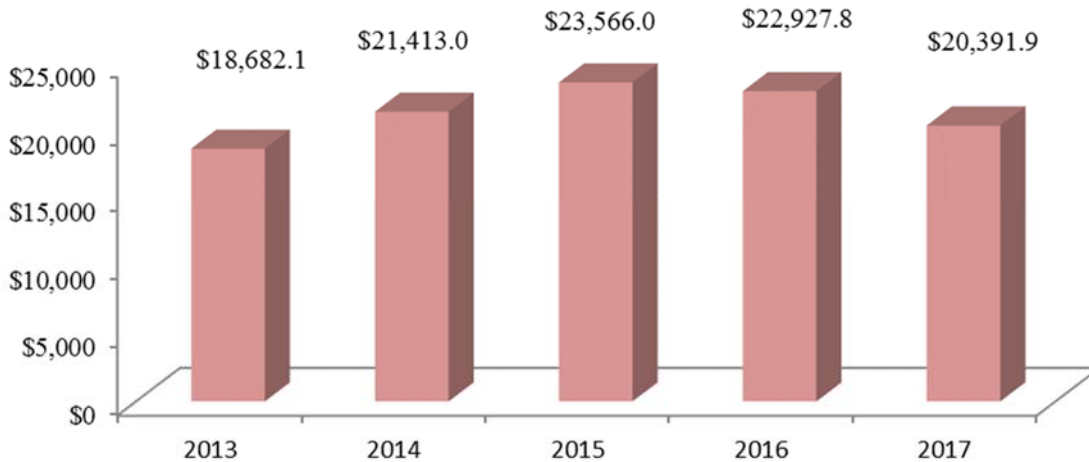


Source: Automated Export System, February 9, 2018



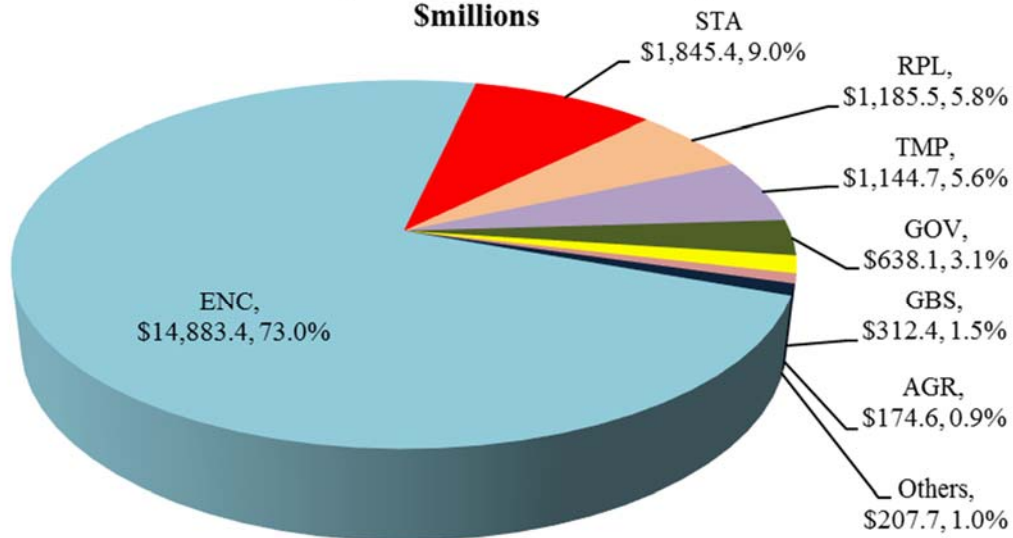
In 2017, U.S. exports to the World shipped under a BIS license exception totaled \$20.4 billion, a 11.1% (\$2.5 billion) decrease from 2016. The top license exception Encryption commodities, Software and Technology (ENC) totaled \$14.9 billion (73.0% of all license exceptions).

U.S. Exports to the World under BIS License Exceptions 2013-2017 \$million



Source: Automated Export System, March 13, 2018

2017 U.S. Exports by BIS License Exceptions \$millions



Source: Automated Export System, March 13, 2018



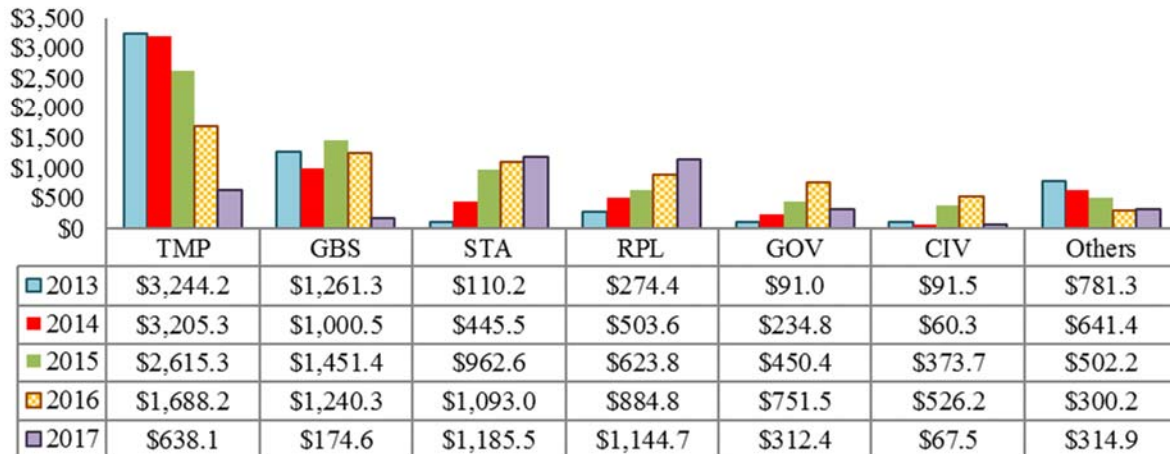
U.S. Exports to the World under BIS License Exceptions Encryption Commodities, Software and Technology 2013-2017 \$million



Source: Automated Export System, March 13, 2018

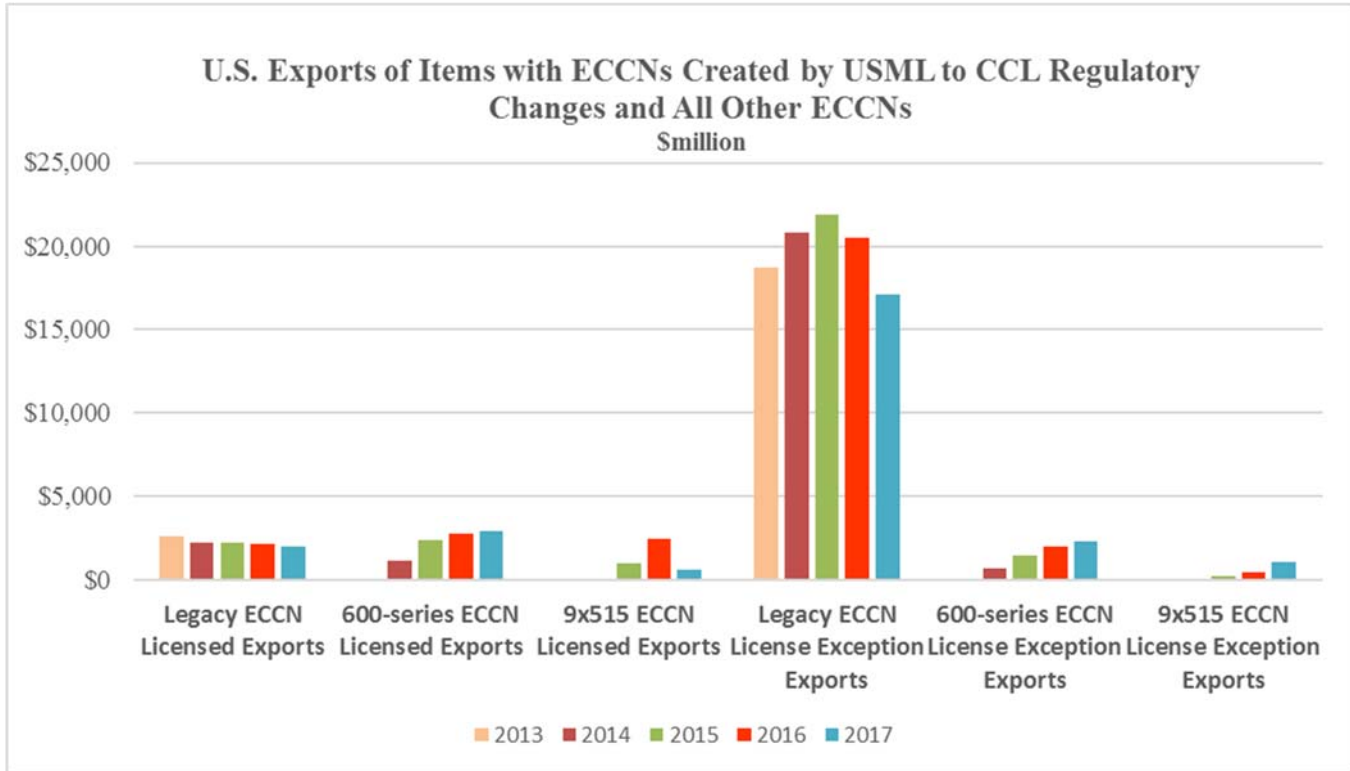
In 2017, U.S. exports to the World under BIS License Exception Strategic Trade Authorization increased by 8.5% (\$92.5 million) from \$1.1 billion in 2016 to \$1.2 billion in 2017.

U.S. Exports to the World under BIS License Exceptions 2013-2017 \$million



Note: Excluding ENC

Source: Automated Export System, March 13, 2018



	2013 \$million	2014 \$million	2015 \$million	2016 \$million	2017 \$million
Legacy ECCN Licensed Exports	\$2,597.0	\$2,224.7	\$2,220.2	\$2,123.8	\$1,975.3
600-series ECCN Licensed Exports	\$9.2	\$1,128.6	\$2,369.8	\$2,719.1	\$2,858.5
9x515 ECCN Licensed Exports	\$0.0	\$2.3	\$1,007.8	\$2,413.3	\$611.2
Legacy ECCN License Exception Exports	\$18,662.3	\$20,839.8	\$21,901.3	\$20,551.8	\$17,060.7
600-series ECCN License Exception Exports	\$19.7	\$692.4	\$1,465.0	\$1,967.7	\$2,270.3
9x515 ECCN License Exception Exports	\$0.0	\$5.7	\$202.5	\$408.3	\$1,060.9
Source: Automated Export System, February 9, 2018					
Note: Legacy ECCNs do not include 1C981 for oil.					



Top Ten ECCNs by Value to World Total (\$millions)			
LICENSED	#1	9A610	Military Aircraft and Related Commodities
	#2	9A515	Spacecraft and Related Commodities
	#3	9A619	Military Gas Turbine Engines and Related Commodities
	#4	3A611	Military Electronics
	#5	0A606	Ground Vehicles and Related Commodities
	#6	7A103	Instrumentation, Navigation Equip./Systems Not
	#7	6A001	Acoustics
	#8	5A002	Systems/Equip./Integrated Circuits for Info Sec
	#9	9A001	Aero Gas Turbine Engines
	#10	6A003	Cameras

Source: Automated Export System, March 15, 2018

Top Ten ECCNs by Value to World Total (\$millions)			
EXCEPTIONS	#1	5A002	Systems/Equip./Integrated Circuits for Info Sec
	#2	9A610	Military Aircraft and Related Commodities
	#3	9A515	Spacecraft and Related Commodities
	#4	N/A	No ECCN Reported for TMP*
	#5	EAR99	Items subject to the EAR that are not elsewhere controlled
	#6	3A611	Military Electronics
	#7	9A619	Military Gas Turbine Engines and Related Commodities
	#8	5B002	Test/Inspection/Production Equip for Information S
	#9	9A991	Aircraft and Certain Gas Turbine Engines N.E.S.
	#10	3A001	Electronic Devices/Components

*note: No ECCN is required for license exception TMP as per EAR 758.1(g)(2)

Source: Automated Export System, March 15, 2018

Top Ten ECCNs by Value to World Total (\$millions)			
NLR with ECCN	#1	9A991	Aircraft and Certain Gas Turbine Engines N.E.S.
	#2	3B991	Other Mfg/Test Equip. Not Controlled By 3B
	#3	5A991	Transmission Items Not W/I Parameters In 5A001
	#4	5A992	Information Security Equip.
	#5	4A994	Items Not Controlled By 4A001/4A002/4A003
	#6	3A991	Electronic Devices and Components
	#7	7A994	Other "Software" as Follows (See List of Items Controlled).
	#8	3B992	Equip. for the Inspection/Testing of Components
	#9	3A999	Specific Processing Equip., N.E.S.
	#10	3A992	General Purpose Electronic Equip.

Source: Automated Export System, March 15, 2018



Top Ten ECCNs to World Total by Shipment Count		
LICENSED	#1	9A610 Military Aircraft and Related Commodities
	#2	9A619 Military Gas Turbine Engines and Related Commodities
	#3	3A611 Military Electronics
	#4	2B230 Pressure Transducers
	#5	0A606 Ground Vehicles and Related Commodities
	#6	0A987 Optical Sighting Devices for Firearms
	#7	2B350 Chemical Manufacturing Facilities and Equip.
	#8	0A984 Shotguns, Buckshot, Shotgun Shells
	#9	7A103 Instrumentation, Navigation Equip./Systems Not
	#10	5A002 Systems/Equip./Integrated Circuits for Info Sec

Source: Automated Export System, March 15, 2018

Top Ten ECCNs to World Total by Shipment Count		
EXCEPTIONS	#1	5A002 Systems/Equip./Integrated Circuits for Info Sec
	#2	9A610 Military Aircraft and Related Commodities
	#3	N/A No ECCN Reported for license exception TMP
	#4	EAR99 Items subject to the EAR that are not elsewhere controlled
	#5	5D002 Software for Information Security
	#6	9A619 Military Gas Turbine Engines and Related Commodities
	#7	3A611 Military Electronics
	#8	3A001 Electronic Devices/Components
	#9	9A991 Aircraft and Certain Gas Turbine Engines N.E.S.
	#10	5B002 Test/Inspection/Production Equip for Information S

*note: No ECCN is required for license exception TMP as per EAR 758.1(g)(2)

Source: Automated Export System, March 15, 2018

Top Ten ECCNs to World Total by Shipment Count		
NLR with ECCN	#1	9A991 Aircraft and Certain Gas Turbine Engines N.E.S.
	#2	5A992 Information Security Equip.
	#3	4A994 Items Not Controlled By 4A001/4A002/4A003
	#4	5A991 Transmission Items Not W/I Parameters In 5A001
	#5	7A994 Other "Software" as Follows (See List of Items Controlled).
	#6	3B991 Other Mfg/Test Equip. Not Controlled By 3B
	#7	3A991 Electronic Devices and Components
	#8	3A992 General Purpose Electronic Equip.
	#9	2B999 Specific Processing Equip., N.E.S.
	#10	3A999 Specific Processing Equip., N.E.S.

Source: Automated Export System, March 15, 2018



III. Licensing to the World subject to US Government Filing Requirements

In 2017, BIS reviewed 34,926 licenses applications for exports and reexports for tangible items, software and technology, an increase of 5.2% (1741) from 33,185 in 2016, mainly due to the creation of ECCN 7A611 (527 applications) by the 7th USML to CCL regulatory change for fire control, laser, imaging and guidance equipment.

- Approved licenses increased 5.1% (1,451 licenses) from 28,204 in 2016 to 29,655 to 2017. The approval rate was 84.9% of the total license applications;
- Return without action (RWA) increased 6.7% (314) from 4,680 in 2016 to 4,994. The RWA rate was 14.3%;
- Denied licenses applications decreased 8.0% (24) from 301 in 2016 to 277. The denied rate was 0.8%.

Overview of BIS License Applications 2013 - 2017										
	2013	2014	2015	2016	2017	% of the total by decision	% of the Grand Total license applications	% change from 2016	Change from 2016	
Grand Total license applications	25,581	32,534	38,376	34,672	36,463			5.2%	1,791	
Total license applications for deemed export										
	1,473	1,076	1,385	1,487	1,537			3.4%	50	
Approved	1,393	977	1,272	1,388	1,406	91.5%	4.2%	1.3%	18	
Denied	13	18	18	13	24	1.6%		84.6%	11	
RWA	67	81	95	86	107	7.0%		24.4%	21	
Total license applications for tangible items, software and technology										
	24,108	31,458	36,991	33,185	34,926			5.2%	1,741	
Approved	20,182	25,935	30,980	28,204	29,655	84.9%	95.8%	5.1%	1,451	
Denied	168	321	311	301	277	0.8%		-8.0%	-24	
RWA	3,758	5,202	5,700	4,680	4,994	14.3%		6.7%	314	

100.0% Detailed License Information regarding Tangible items, software and technology										
	2013	2014	2015	2016	2017	% of the total by decision	% of the total for tangible items	% of the Grand Total license applications	% change from 2016	Change from 2016
Total license applications for legacy ECCNs	23,511	21,988	21,331	18,546	19,103		54.7%	52.4%	3.0%	557
Approved	19,711	17,804	16,968	15,060	15,468	81.0%			2.7%	408
Denied	168	297	250	223	220	1.2%			-1.3%	-3
RWA	3,632	3,887	4,113	3,263	3,415	17.9%			4.7%	152
Total license applications for 600-series items	597	9,250	14,413	13,493	14,582		41.8%	40.0%	8.1%	1,089
Approved	471	7,995	12,968	12,247	13,134	90.1%			7.2%	887
Denied	0	19	23	56	39	0.3%			-30.4%	-17
RWA	126	1,236	1,422	1,190	1,409	9.7%			18.4%	219
Total license applications for 9x515 items	-	220	1,247	1,146	1,241		3.6%	3.4%	8.3%	95
Approved	-	136	1,044	897	1,053	84.9%			17.4%	156
Denied	-	5	38	22	18	1.5%			-18.2%	-4
RWA	-	79	165	227	170	13.7%			-25.1%	-57
							100.0%	95.8%		

Source: Commerce U.S. Exports Exporter Support System, February 9, 2018



**BIS Licenses for Tangible Items, Software and Technology for the World
by License Count
2013-2017**



Source: Commerce U.S. Exports Exporter Support System, February 9, 2018

Note: Figures above do not include deemed export applications

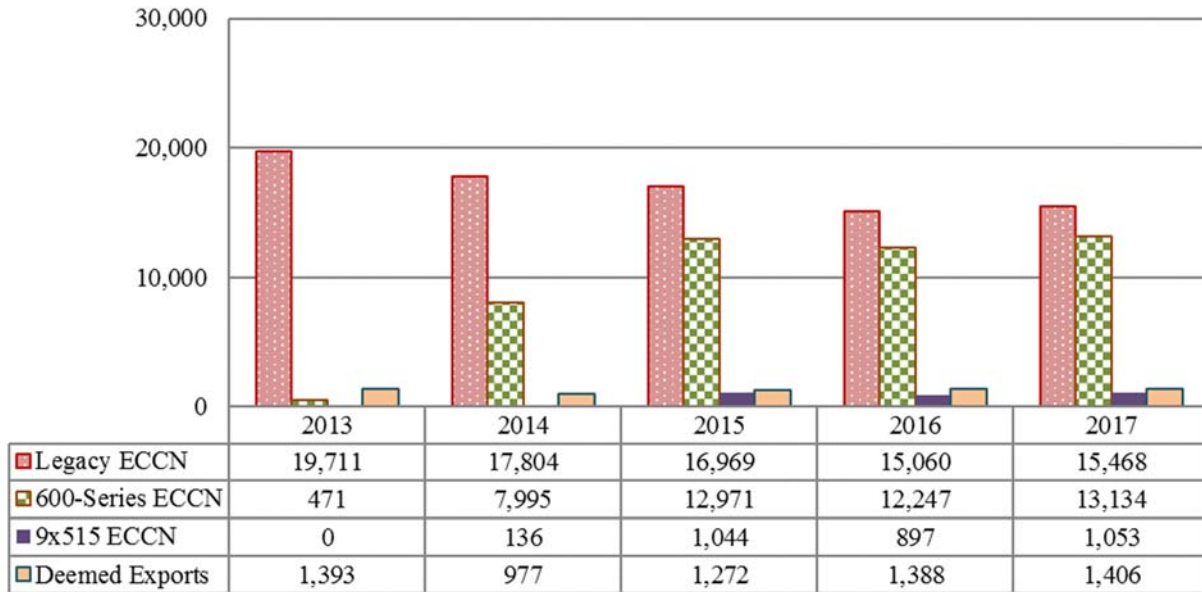
**BIS Licenses for Tangible Items, Software and Technology for the World
by Value
2013-2017
Smillion**



Source: Commerce U.S. Exports Exporter Support System, February 9, 2018



**Overview of BIS Approved Licenses
2013-2017**



Source: Commerce U.S. Exports Exporter Support System, February 9, 2018

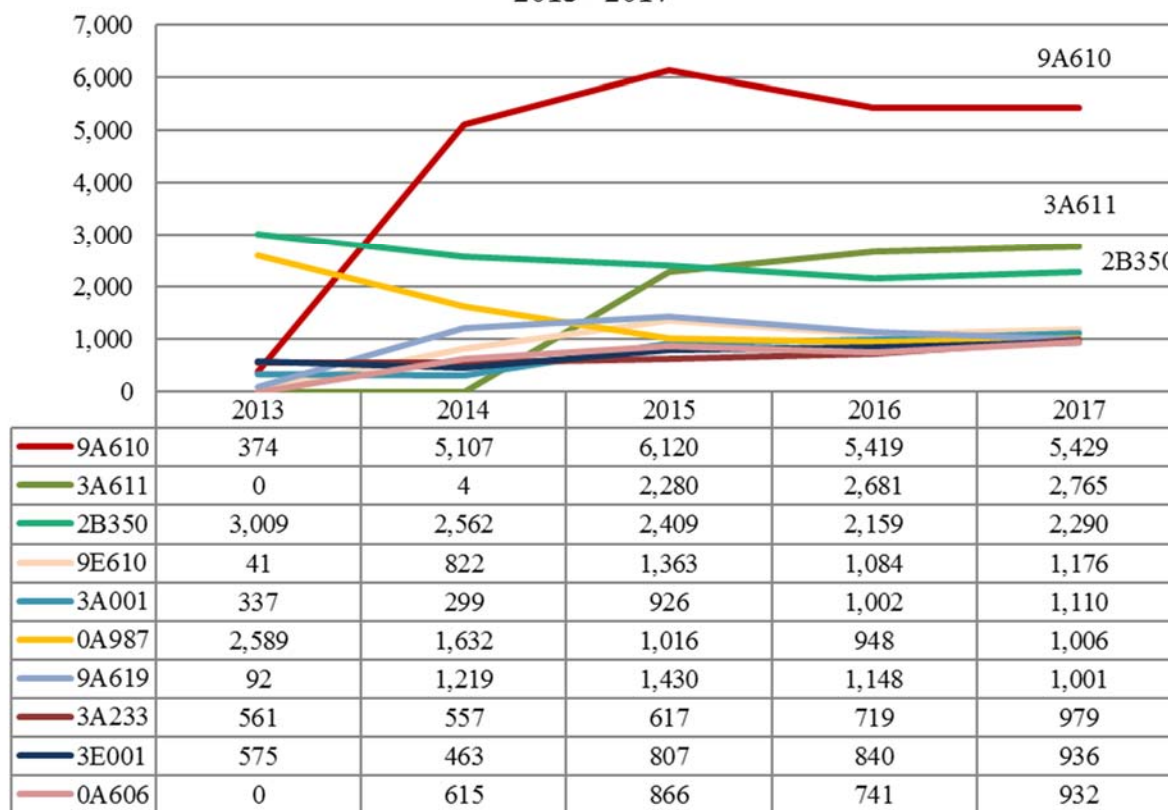


In 2017, similar to 2016, the top approved ECCN were 9A610 (5,429 approvals) for Military aircraft and related commodities and 3A611 (2,765 approvals) for military electronics; and the top approved Legacy ECCN was 2B350 (2,290 approvals) for Chemical manufacturing facilities and equipment.

In 2017, 3A233 (979 approvals) for Mass Spectrometers and 0A606 (932 approvals) for Ground vehicles and related commodities moved up to the top ten list.

In 2017, 5A002 (722 approvals) for Information security systems, equipment and "components" and 5D002 (759 approvals) for software for information security dropped out from the top ten list.

**Top Ten Approved ECCNs by Count
2013 - 2017**



Source: Commerce U.S. Exports Exporter Support System, Retrieved on February 9, 2018



2017 Top Ten ECCNs by License Count for Denied Licenses			
ECCN	Description	Denied applications	Value \$million
3A001	Electronic Devices/Components	54	\$12.9
EAR99	Items subject to the EAR that are not elsewhere controlled	45	\$14.0
5D002	Software for information security	25	\$0.8
0A987	Optical sighting devices for firearms	23	\$5.9
5E002	Technology for Dev/Prod/use of Information Security	16	\$0.00002
5E992	"Information Security" "technology", not controlled by 5E002	14	\$0.00001
9A515	Spacecraft and Related Commodities	14	\$25.5
5E991	Technology for the "Development" or "Production" or "Use" of Equipment controlled by 5A991 or 5B991 or "Software" controlled by 5D991	13	\$0.00001
9A610	Military Aircraft and Related Commodities	13	\$8.8
0A984	Shotguns, buckshot shotgun shells	11	\$2.0
Source: Commerce U.S. Exports Exporter Support System, February 9, 2018			