

## Summary

In 2021, both U.S. exports and imports increased despite of Covid-19 Pandemic. In 2021, U.S. exports totaled \$1.8 trillion, a 23.1% (\$329.0 billion) increase from \$1.4 trillion in 2020; U.S. imports totaled \$2.8 trillion, a 21.3% (\$496.9 billion) increase; and the trade deficit was \$1.1 trillion (rounded) at a record high, a 18.4% (\$167.9 billion) increase.

In 2021, of the \$1.8 trillion in U.S. exports, the top commodity sectors were Machinery and Mechanical Appliances (22.5%), followed by Chemicals, Plastics, Rubber, and Leather products (17.3%), the same as 2020. Oils, Minerals, Lime, and Cement (14.3%) replaced Transportation equipment as the 3<sup>rd</sup> top commodity sector.

In 2021, of the \$2.8 trillion in U.S. imports, the top commodity sectors were Machinery and Mechanical Appliances (29.1%), followed by Chemicals, Plastics, Rubber, and Leather products (14.7%), and Transportation Equipment (10.9%), the same as 2020.

In 2021, U.S. exported \$1.8 trillion in goods, of which \$39.0 billion (2.8% of the total exports) was exported under a government license, \$51.4 billion (2.9%) was exported under a government license exception/exemption/agreement, and \$176.6 billion (10.1%) was exported under No License Required with an ECCN reported, which includes 600-Series .y subparagraph items and 0A501 .y subparagraph firearms items (EAR99 excluded).

In 2021, BIS reviewed **40,843** license applications with a total value of **\$1.4 trillion**. Of these, **942** were Deemed Export applications and **39,901** were applications for the export and re-export of tangible items, software, and technology; an increase of 5.0% (1,885 more) from 38,016 in 2020.

In 2021, for tangible items, software and technology, approved licenses totaled 34,369, an increase of 4.8% (1,560 more) and the approval rate was 86.1%. Denied license applications totaled 826, an increase of 99.0% (411 more) and the denied rate was 2.1%; and return without action totaled 4,706, a decrease of 1.8% (86 less) and the RWA rate was 11.8%.

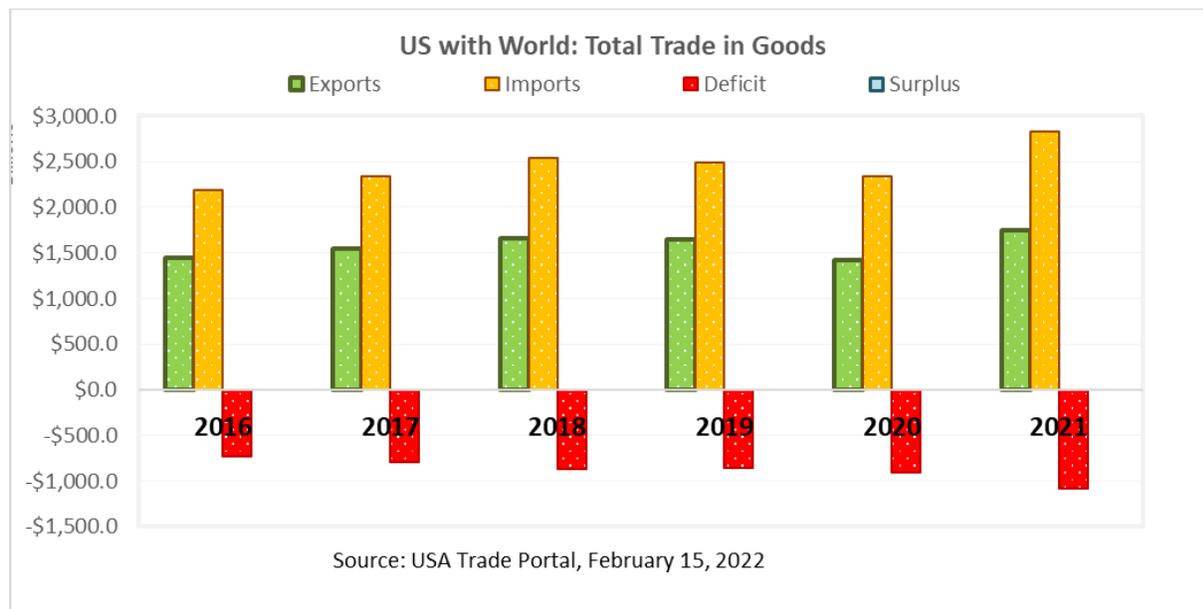
In 2021, BIS reviewed **942** applications for Deemed Export, a decrease of 22.3% from 1,212 in 2020, mainly due to the decrease in applications from Chinese and Iranian nationals. The approved licenses for Deemed Export from Chinese nationals decreased by 33.6% from 423 approvals in 2020 to 281 approvals in 2021; and approved licenses for Iranian nationals decreased by 24.8% from 242 in 2020 to 182 in 2021.

In 2021, the top approved ECCNs were 9A610 for Military aircraft and related commodities with 5,265 approvals (221 more than 2020), followed by 0A501 for Firearms with 5,258 approvals (7 less), and 2B350 for Chemical manufacturing facilities and equipment with 2,225 (106 more).

In 2021, the average processing time was 33 calendar days.

## I. Total U.S. Trade with the World

In 2021, both U.S. exports and imports increased despite of Covid-19 Pandemic. In 2021, U.S. exports totaled \$1.8 trillion, a 23.1% (\$329.0 billion) increase from \$1.4 trillion in 2020; U.S. imports totaled \$2.8 trillion, a 21.3% (\$496.9 billion) increase; and the trade deficit was \$1.1 trillion (rounded) at a record high, a 18.4% (\$167.9 billion) increase.



In 2021, both U.S. export value and import value were above the average value of the preceding five years not adjusted for inflation.

	2016	2017	2018	2019	2020	2021	2016-2020 Average
EXPORTS	\$1,451,457.9	\$1,547,195.4	\$1,665,786.9	\$1,642,820.4	\$1,424,934.9	\$1,753,941.4	\$1,546,439.1
Δvalue	--	\$95,737.5	\$118,591.5	-\$22,966.5	-\$217,885.4	\$329,006.5	
Δpct	--	6.6%	7.7%	-1.4%	-13.3%	23.1%	
IMPORTS	\$2,186,785.9	\$2,339,591.3	\$2,536,145.3	\$2,493,737.7	\$2,335,991.0	\$2,832,874.0	\$2,378,450.2
Δvalue	--	\$152,805.4	\$196,553.9	-\$42,407.6	-\$157,746.7	\$496,883.0	
Δpct	--	7.0%	8.4%	-1.7%	-6.3%	21.3%	
BALANCE	(\$735,328.0)	(\$792,395.9)	(\$870,358.4)	(\$850,917.4)	(\$911,056.1)	(\$1,078,932.6)	(\$832,011.1)
Δvalue	--	(\$57,067.9)	(\$77,962.5)	\$19,441.0	(\$60,138.7)	(\$167,876.5)	
Δpct	--	7.8%	9.8%	-2.2%	7.1%	18.4%	

Values in Millions of U.S. Dollars. Source: U.S. Census Bureau USA Trade Portal February 15, 2022



In 2021, of the \$1.8 trillion in U.S. exports, the top commodity sectors were Machinery and Mechanical Appliances (22.5%), followed by Chemicals, Plastics, Rubber, and Leather products (17.3%), the same as 2020. Oils, Minerals, Lime, and Cement (14.3%) replaced Transportation equipment as the 3<sup>rd</sup> top commodity sector.

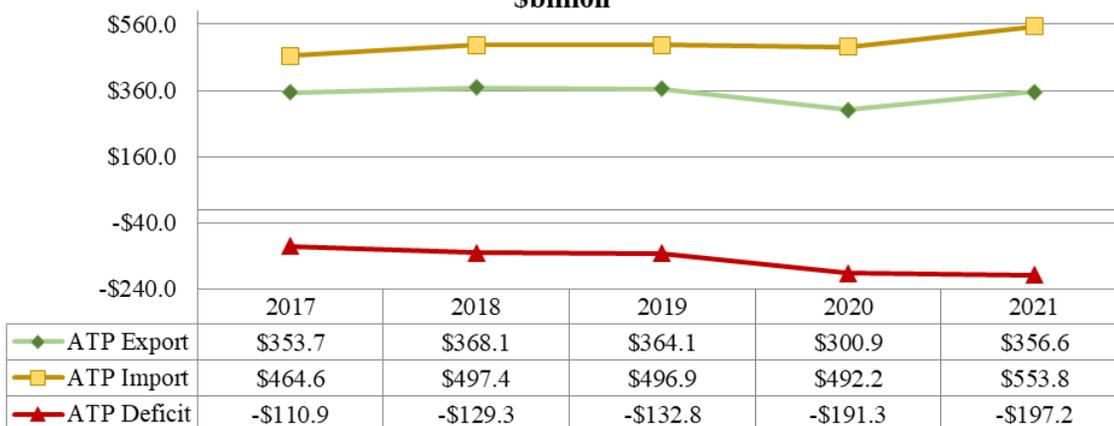
In 2021, of the \$2.8 trillion in U.S. imports, the top commodity sectors were Machinery and Mechanical Appliances (29.1%), followed by Chemicals, Plastics, Rubber, and Leather products (14.7%), and Transportation Equipment (10.9%), the same as 2020.

Imports from World by Sector	World Commodity Trade 2021	US exports to World by Sector
<b>\$2,832,873,967,558</b>	<b>Total Value All Commodities</b>	<b>\$1,753,941,405,889</b>
6.8%	Agriculture (Chapters 01-24)	10.1%
7.9%	Oils, Minerals, Lime, Cement (Chapters 25-27)	14.3%
14.7%	Chemicals, Plastics, Rubber, Leather (Chapters 28-43)	17.3%
2.1%	Wood, Cork, Paper, Printed Books (Chapters 44-49)	2.2%
5.4%	Textiles, Footwear, Headgear (Chapters 50-67)	1.6%
4.3%	Stone, Glass, Metals, Pearls (Chapters 68-71)	5.4%
5.7%	Base Metals, Iron, Steel, Tools (Chapters 72-83)	4.3%
29.1%	Machinery & Mechanical Appliances (Chapters 84-85)	22.5%
10.9%	Transportation Equipment (Chapters 86-89)	12.3%
3.9%	Optical, Measuring, Medical, Other Instruments (Chapters 90-92)	5.4%
0.2%	Arms & Ammunition (Chapter 93)	0.2%
4.5%	Miscellaneous Manufactured Items (Chapters 94-96)	1.0%
0.3%	Art, Collectors' Pieces, Antiques (Chapter 97)	0.5%
4.2%	Special Items (Chapters 98)	2.9%

Source: U.S. Census Bureau USA Trade Portal February 15, 2022

In 2021, the U.S. Advanced Technology Products (ATP)<sup>1</sup> exports were \$356.6 billion, an 18.5% (\$55.7 billion) increase from 2020; the U.S. ATP imports were \$553.8 billion, an 12.5% (\$61.6 billion) increase; and the ATP trade deficit was \$197.2 billion, a 3.1% (\$5.8 billion) increase.

**U.S. Advance Technology Products Trade with the World  
2017 - 2021  
\$billion**



Source: U.S. Census Bureau, Automated Export System, retrieved on April 5, 2022

<sup>1</sup> Advanced Technology Products: about 500 of some 22,000 Harmonized System (HS) commodity classification codes contain products from a recognized high technology category (e.g., biotechnology).



# U.S. Exports to the World subject to U.S. Government Export Control

2021

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## II. Exports to the World subject to U.S. Government Export Control

In 2021, U.S. exported \$1.8 trillion in goods, of which \$48.9 billion (2.8% of the total exports) was exported under a government license:

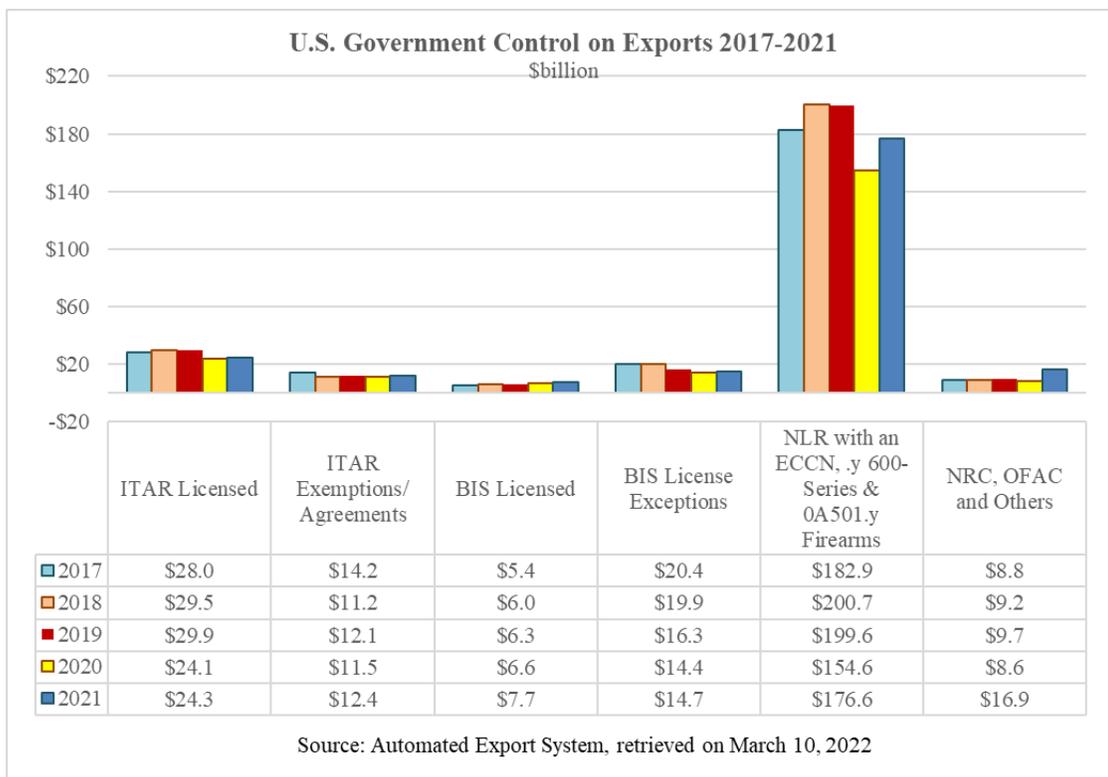
- \$7.7 billion was licensed by BIS, an increase of 17.6%, \$1.2 billion more compared to 2020.
- \$24.3 billion was licensed under ITAR, an increase of 0.8%, \$196.5 million more; and
- \$16.9 billion was licensed by NRC, OFAC and other government agencies, an increase of 97.3% , \$8.3 billion more.

In 2021, \$27.1 billion (1.5% of the total exports) was exported under a government license exception/exemption/agreement:

- \$14.7 billion was under BIS license exceptions, an increase of 2.4%, \$342.8 million more compared to 2020; and
- \$12.4 billion was under ITAR license exemption/agreements, an increase of 7.4%, \$851.3 million more.

In 2021, \$176.6 billion (10.1% of the total exports) was exported under No License Required (NLR):

- \$176.2 billion was under NLR with an ECCN reported (not including EAR99), an increase of 14.2%, \$22.0 billion more compared to 2020; and
- \$287.7 million was under NLR for 600-Series .y subparagraph items, an increase of 2.6%, \$7.3 million more.
- \$21.4 million was exported under NLR for 0A501 .y subparagraph firearms items, an increase of 112.1%, \$11.3 million more.

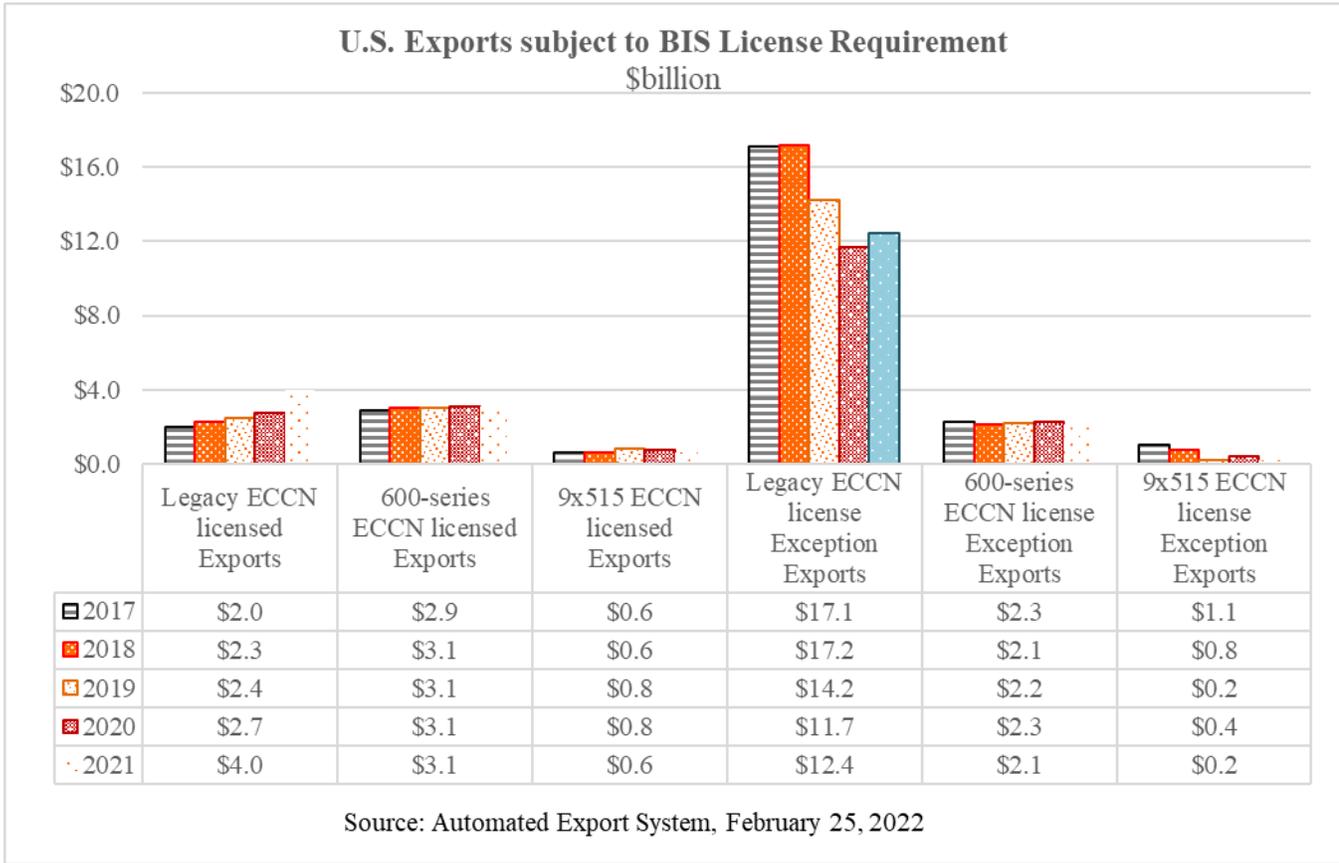




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# U.S. Exports to the World subject to U.S. Government Export Control

2021

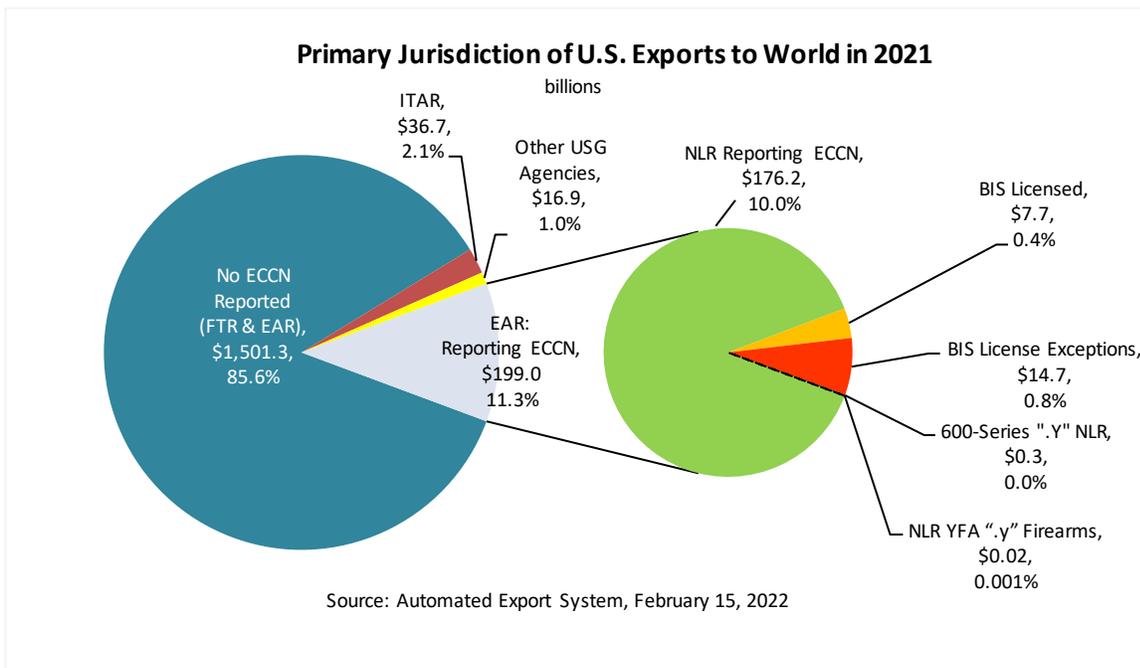
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In 2021, of \$1.8 trillion in U.S. exports to the World:

- \$22.4 billion (1.3% of the total exports) were subject to a BIS license requirement:
  - 0.4% was exported under a BIS license.
  - 0.8% was exported under a BIS license exception.
- \$176.2 billion (10.1%) were exported under No License Required (NLR) with an ECCN reported and NLR for 600-series .y subparagraph items as well as NLR for 0A501 .y subparagraph firearms items.
  - 10.0% was exported under NLR with an ECCN reported.
  - 0.02% was exported under NLR for 600-series .y subparagraph items; and
  - 0.001% was exported under NLR for 0A501.y subparagraph firearms items.

		World		
		2019	2020	2021
	<b>Department of State</b>	<b>\$42,059.0</b>	<b>\$35,672.9</b>	<b>\$36,720.7</b>
	<b>Other USG Agencies</b>	<b>\$9,717.2</b>	<b>\$8,566.0</b>	<b>\$16,899.0</b>
<b>Department of Commerce</b>		<b>\$1,591,044.2</b>	<b>\$1,380,696.0</b>	<b>\$1,700,321.7</b>
	BIS Licensed	\$6,261.9	\$6,573.3	\$7,732.3
	BIS License Exceptions	\$16,299.6	\$14,359.3	\$14,702.1
	NLR reporting an ECCN	\$199,237.1	\$154,271.3	\$176,246.9
	NLR not reporting an ECCN	\$1,368,925.9	\$1,205,202.5	\$1,501,332.3
	NLR 600-Series ".y" subparagraph	\$319.7	\$279.4	\$286.7
	NLR YFA ".y" subparagraph Firearms	\$0.0	\$10.1	\$21.4

Values in Millions of U.S. Dollars. Source: Automated Export System February 15, 2022



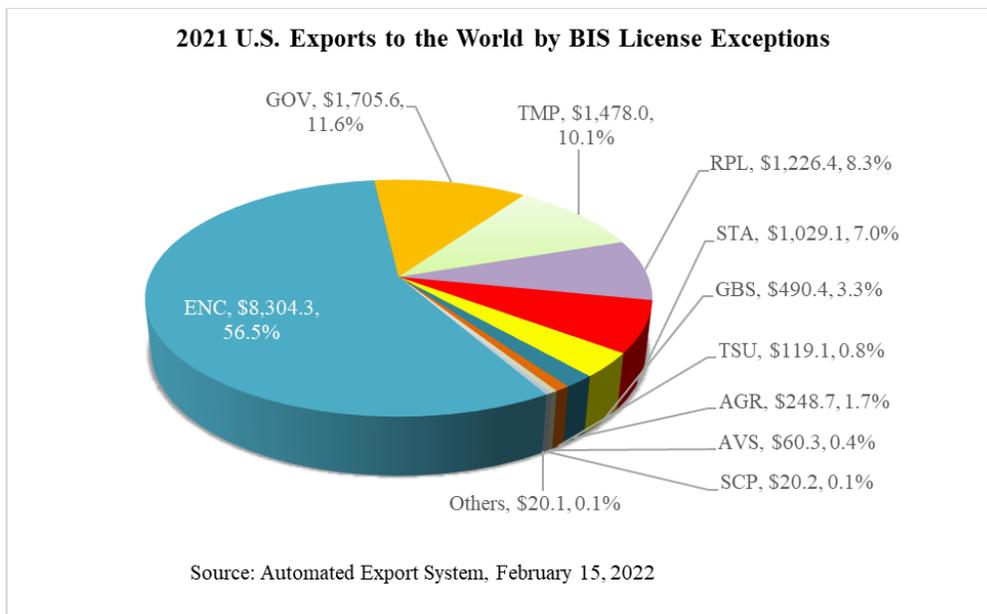
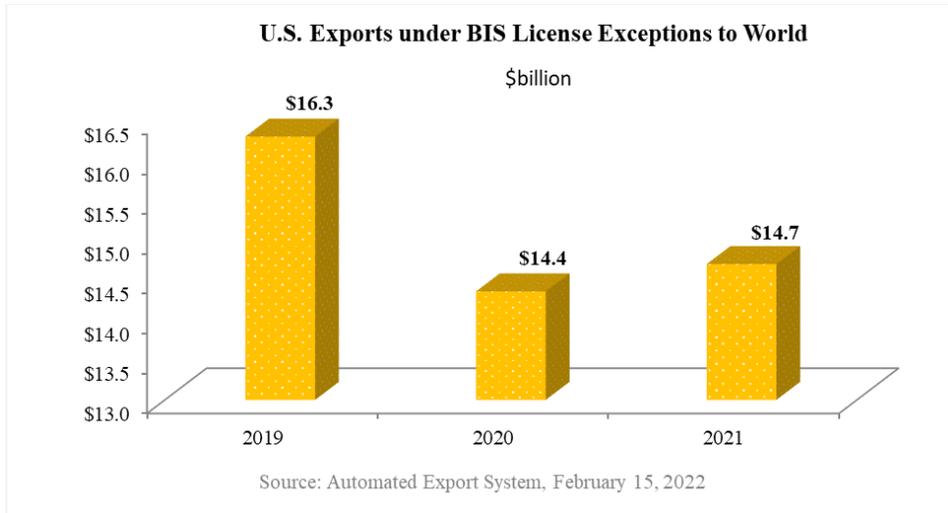


# U.S. Exports to the World subject to U.S. Government Export Control

2021

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In 2021, U.S. exports to the World shipped under a BIS license exception totaled \$14.7 billion, an increase of 2.4% (\$0.3 billion) from 2020.



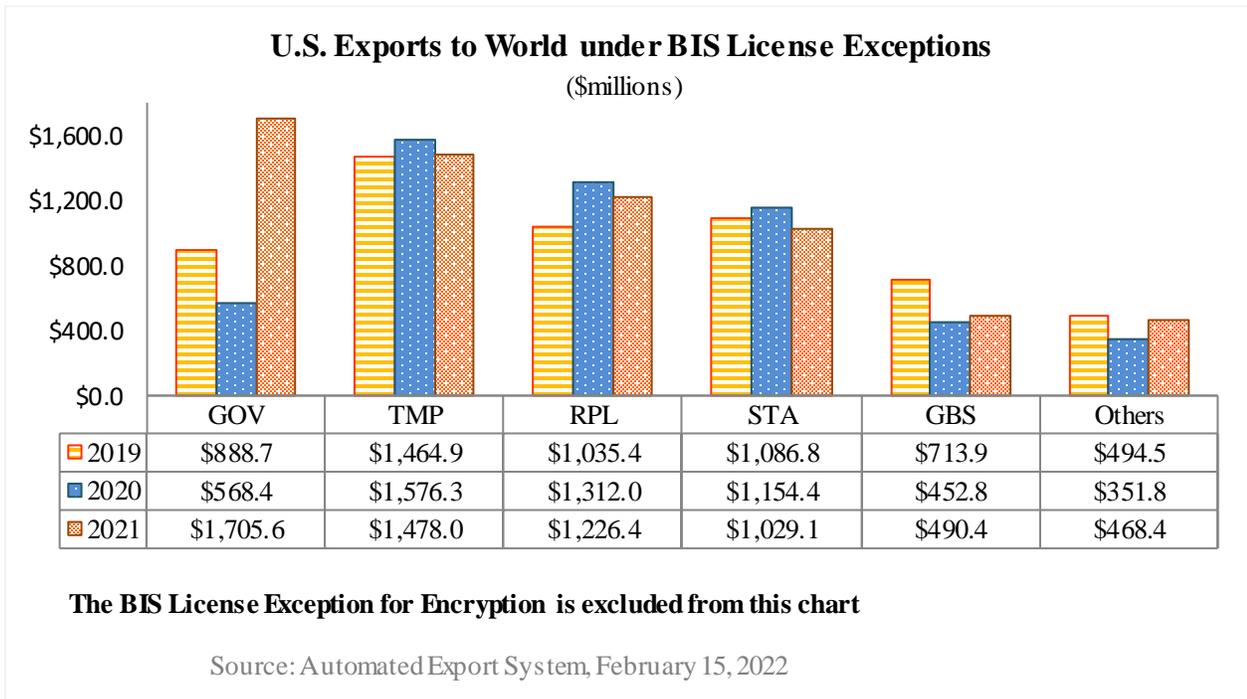
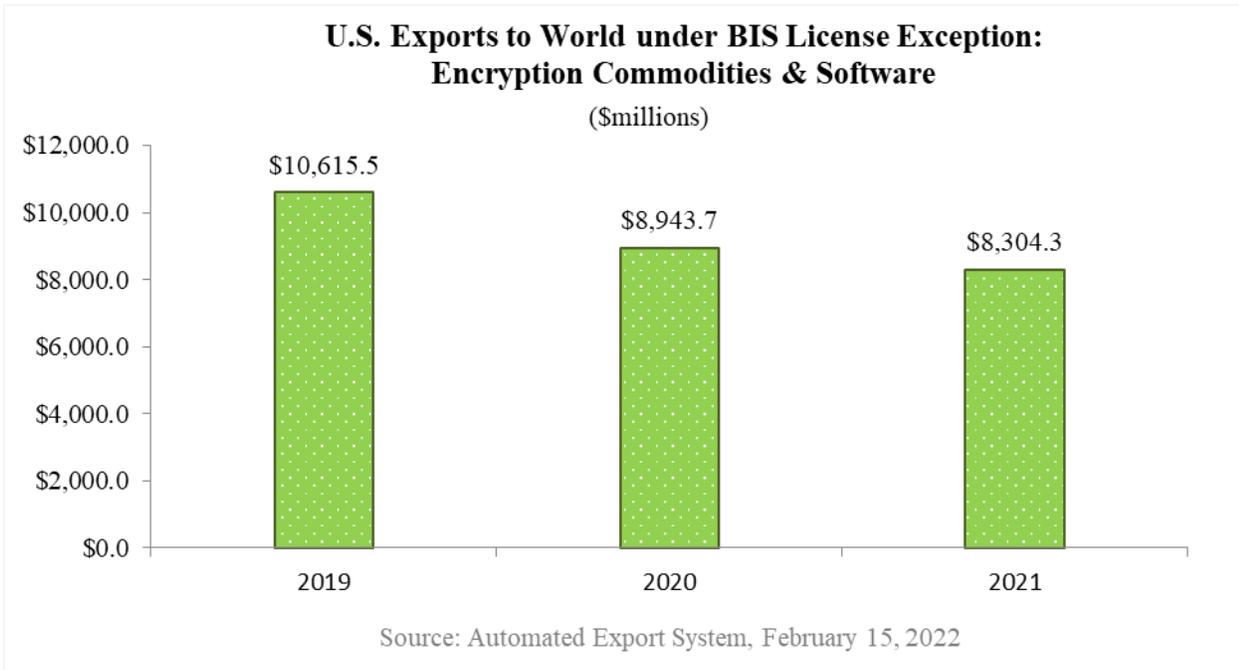
- ENC: Encryption commodities, software, and technology
- GOV: Governments and international organizations
- TMP: Temporary imports, exports, re-exports and transfers (in-country)
- RPL: Servicing and replacement of parts and equipment
- STA: Strategic Trade Authorization
- GBS: Shipments to Country Group B Countries
- TSU: Technology and software-unrestricted
- AGR: Agricultural commodities
- AVS: Aircraft and vessels
- SCP: Support Cuban People



# U.S. Exports to the World subject to U.S. Government Export Control

2021

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# U.S. Exports to the World by Top Ten Export Control Classification Number (ECCN)

2021

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Top Ten ECCNs by Value to World (\$millions)		
<b>LICENSED</b>	#1	9A610 Military Aircraft and Related Commodities, Other Than Those Enumerated
	#2	9A619 Military gas turbine engines and related commodities (see List of Item
	#3	9A515 "Spacecraft" and related commodities, as follows (see List of Items Co
	#4	3A611 Military electronics, as follows (see List of Items Controlled).
	#5	0A501 Firearms (except 0A502 shotguns) and related commodities as follows (s
	#6	9A991 "Aircraft," n.e.s., and gas turbine engines not controlled by 9A001 or
	#7	7A103 Instrumentation, navigation equipment and systems, other than those co
	#8	9A001 Aero gas turbine engines having any of the following (see List of Item
	#9	3B001 Equipment for the manufacturing of semiconductor devices or materials,
	#10	0A505 Ammunition as follows (see List of Items Controlled).

Note: ECCN descriptions have been truncated: please review Commerce Control List for full description

Top Ten ECCNs by Value to World (\$millions)		
<b>EXCEPTIONS</b>	#1	5A002 "Information security" systems, equipment and "components," as follows
	#2	9A004 Space launch vehicles and "spacecraft," "spacecraft buses", "spacecraf
	#3	9A610 Military Aircraft and Related Commodities, Other Than Those Enumerated
	#4	EAR99 Items subject to the EAR that are not elsewhere specified in this CCL
	#5	9A619 Military gas turbine engines and related commodities (see List of Item
	#6	5B002 "Information Security" test, inspection and "production" equipment, as
	#7	3A001 Electronic items as follows (see List of Items Controlled).
	#8	3A611 Military electronics, as follows (see List of Items Controlled).
	#9	7A103 Instrumentation, navigation equipment and systems, other than those co
	#10	9A991 "Aircraft," n.e.s., and gas turbine engines not controlled by 9A001 or

Note: ECCN descriptions have been truncated: please review Commerce Control List for full description

Top Ten ECCNs by Value to World (\$millions)		
<b>NLR with ECCN</b>	#1	9A991 "Aircraft," n.e.s., and gas turbine engines not controlled by 9A001 or
	#2	5A992 Equipment not controlled by 5A002 (see List of Items Controlled).
	#3	3B991 Equipment not controlled by 3B001 for the manufacture of electronic "p
	#4	4A994 Computers, "electronic assemblies" and related equipment not controlle
	#5	5A991 Telecommunication equipment, not controlled by 5A001 (see List of Item
	#6	3B992 Equipment not controlled by 3B002 for the inspection or testing of ele
	#7	3A991 Electronic devices, and "components" not controlled by 3A001.
	#8	2B999 Specific Processing Equipment, n.e.s., as Follows (See List of Items C
	#9	7A994 Other navigation direction finding equipment, airborne communication e
	#10	3A999 Specific Processing Equipment, n.e.s., as Follows (See List of Items C

Note: ECCN descriptions have been truncated: please review Commerce Control List for full description



# U.S. Exports to the World by Top Ten Export Control Classification Number (ECCN)

2021

Office of Technology Evaluation

Top Ten ECCNs to World by Shipment Count		
LICENSED	#1	9A610 Military Aircraft and Related Commodities, Other Than Those Enumerated
	#2	0A501 Firearms (except 0A502 shotguns) and related commodities as follows (s
	#3	2B230 All types of "pressure transducers" capable of measuring absolute pres
	#4	9A619 Military gas turbine engines and related commodities (see List of Item
	#5	0A505 Ammunition as follows (see List of Items Controlled).
	#6	9A991 "Aircraft," n.e.s., and gas turbine engines not controlled by 9A001 or
	#7	3A611 Military electronics, as follows (see List of Items Controlled).
	#8	0A606 Ground vehicles and related commodities, as follows (see List of Items
	#9	0A504 Optical sighting devices for firearms (including shotguns controlled b
	#10	2B350 Chemical manufacturing facilities and equipment, except valves control

Note: ECCN descriptions have been truncated: please review Commerce Control List for full description

Top Ten ECCNs to World by Shipment Count		
EXCEPTIONS	#1	5A002 "Information security" systems, equipment and "components," as follows
	#2	9A610 Military Aircraft and Related Commodities, Other Than Those Enumerated
	#3	0A501 Firearms (except 0A502 shotguns) and related commodities as follows (s
	#4	EAR99 Items subject to the EAR that are not elsewhere specified in this CCL
	#5	9A619 Military gas turbine engines and related commodities (see List of Item
	#6	3A001 Electronic items as follows (see List of Items Controlled).
	#7	3A611 Military electronics, as follows (see List of Items Controlled).
	#8	5B002 "Information Security" test, inspection and "production" equipment, as
	#9	9A991 "Aircraft," n.e.s., and gas turbine engines not controlled by 9A001 or
	#10	5D002 "Software" as follows (see List of Items Controlled).

Note: ECCN descriptions have been truncated: please review Commerce Control List for full description

Top Ten ECCNs to World by Shipment Count		
NLR with ECCN	#1	9A991 "Aircraft," n.e.s., and gas turbine engines not controlled by 9A001 or
	#2	5A992 Equipment not controlled by 5A002 (see List of Items Controlled).
	#3	5A991 Telecommunication equipment, not controlled by 5A001 (see List of Item
	#4	4A994 Computers, "electronic assemblies" and related equipment not controlle
	#5	3B991 Equipment not controlled by 3B001 for the manufacture of electronic "p
	#6	7A994 Other navigation direction finding equipment, airborne communication e
	#7	3A991 Electronic devices, and "components" not controlled by 3A001.
	#8	3A992 General purpose electronic equipment not controlled by 3A002.
	#9	3B992 Equipment not controlled by 3B002 for the inspection or testing of ele
	#10	2B999 Specific Processing Equipment, n.e.s., as Follows (See List of Items C

Note: ECCN descriptions have been truncated: please review Commerce Control List for full description



## III. BIS License Determination

In 2021, BIS reviewed **40,843** license applications with a total valued of **\$1.4 trillion**. Of these, **942** for Deemed Exports, **39,901** for exports and re-exports for tangible items, software and technology, an increase of 5.0% (1,885 more) from 38,016 in 2020.

- Approved licenses totaled 34,369, an increase of 4.8% (1,560 more). The approval rate was 86.1%.
- Denied licenses applications totaled 826, an increase of 99.0% (411 more). The denied rate was 2.1%; and
- Return without action (RWA) totaled 4,706, a decrease of 1.8% (86 less). The RWA rate was 11.8%.

**Overview of BIS License Applications 2017 - 2021**

	2017	2018	2019	2020	2021	% of the total by decision	% of the Grand Total license applications	% change from 2020	Change from 2020
<b>Grand Total license applications</b>	36,294	34,707	34,220	39,228	<b>40,843</b>			4.1%	1,615
<b>Total license applications for deemed export</b>									
<b>Total</b>	1,510	967	1,302	1,212	<b>942</b>		<b>2.3%</b>	-22.3%	-270
Approved	1,379	806	1,106	1,064	821	87.2%		-22.8%	-243
Denied	24	11	3	6	8	0.8%		33.3%	2
RWA	107	150	193	142	113	12.0%		-20.4%	-29
<b>Total license applications for tangible items, software and technology</b>									
<b>Total</b>	34,784	33,740	32,918	38,016	<b>39,901</b>		<b>97.7%</b>	5.0%	1,885
Approved	29,513	28,928	28,148	32,809	34,369	86.1%		4.8%	1,560
Denied	277	264	370	415	826	2.1%		99.0%	411
RWA	4,994	4,548	4,400	4,792	4,706	11.8%		-1.8%	-86

**100.0%**

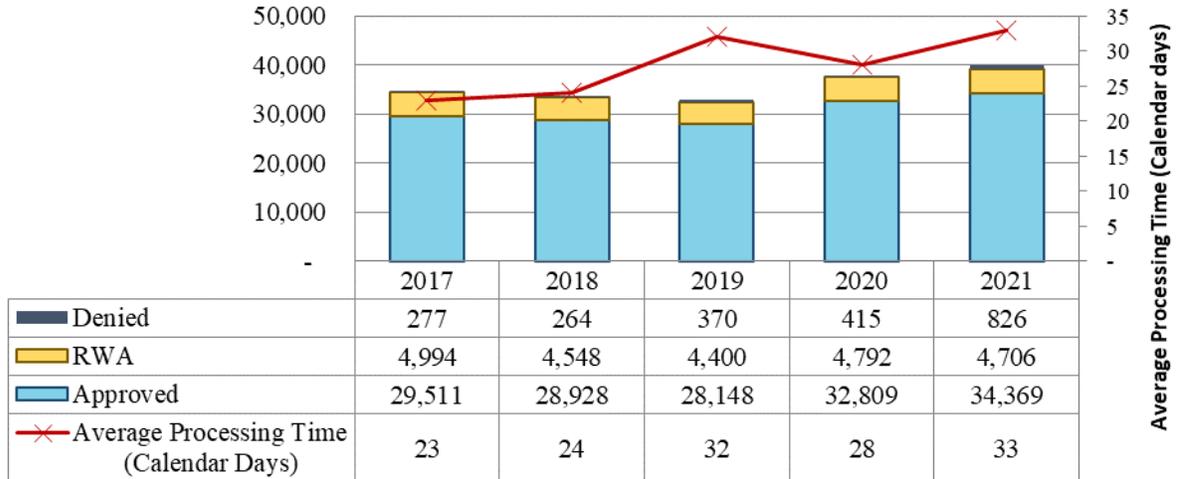
**Detailed License Information regarding Tangible items, software and technology**

	2017	2018	2019	2020	2021	% of the total by decision	% of the total for tangible items	% of the Grand Total license applications	% change from 2020	Change from 2020
<b>Total license applications for legacy ECCNs</b>	19,046	19,446	19,248	17,005	18,524		<b>46.4%</b>	<b>45.4%</b>	8.9%	1,519
Approved	15,411	16,023	15,783	13,413	14,489	78.2%	8.0%		1,076	
Denied	220	227	323	336	716	3.9%	113.1%		380	
RWA	3,415	3,196	3,142	3,256	3,319	17.9%	1.9%		63	
<b>Total license applications for 600-series items</b>	14,504	13,409	12,882	12,461	<b>12,785</b>		<b>32.0%</b>	<b>31.3%</b>	2.6%	324
Approved	13,056	12,112	11,644	11,365	11,810	92.4%	3.9%		445	
Denied	39	29	40	52	43	0.3%	-17.3%		-9	
RWA	1,409	1,268	1,198	1,044	932	7.3%	-10.7%		-112	
<b>Total license applications for 9x515 items</b>	1,234	885	788	833	<b>810</b>		<b>2.0%</b>	<b>2.0%</b>	-2.8%	-23
Approved	1,046	793	721	735	745	92.0%	1.4%		10	
Denied	18	8	7	7	12	1.5%	71.4%		5	
RWA	170	84	60	91	53	6.5%	-41.8%		-38	
<b>Total license applications for Firearms items</b>				7,718	<b>7,784</b>		<b>19.5%</b>	<b>19.1%</b>		
Approved				7,296	7,325	94.1%				
Denied				20	55	0.7%				
RWA				401	402	5.2%				
Revoked				1	2		<b>97.7%</b>			

Source: Commerce U.S. Exports Exporter Support System, retrieved on March 25, 2022



## BIS Licenses for Tangible Items, Software and Technology for the World by License Count 2017-2021



Source: Commerce U.S. Exports Exporter Support System., retrieved on March 25, 2022

## BIS Licenses for Tangible Items, Software and Technology for the World by Value 2017 - 2021 \$billion



Source: Commerce U.S. Exports Exporter Support System, March 25, 2022



## BIS License Determination Trends

2021

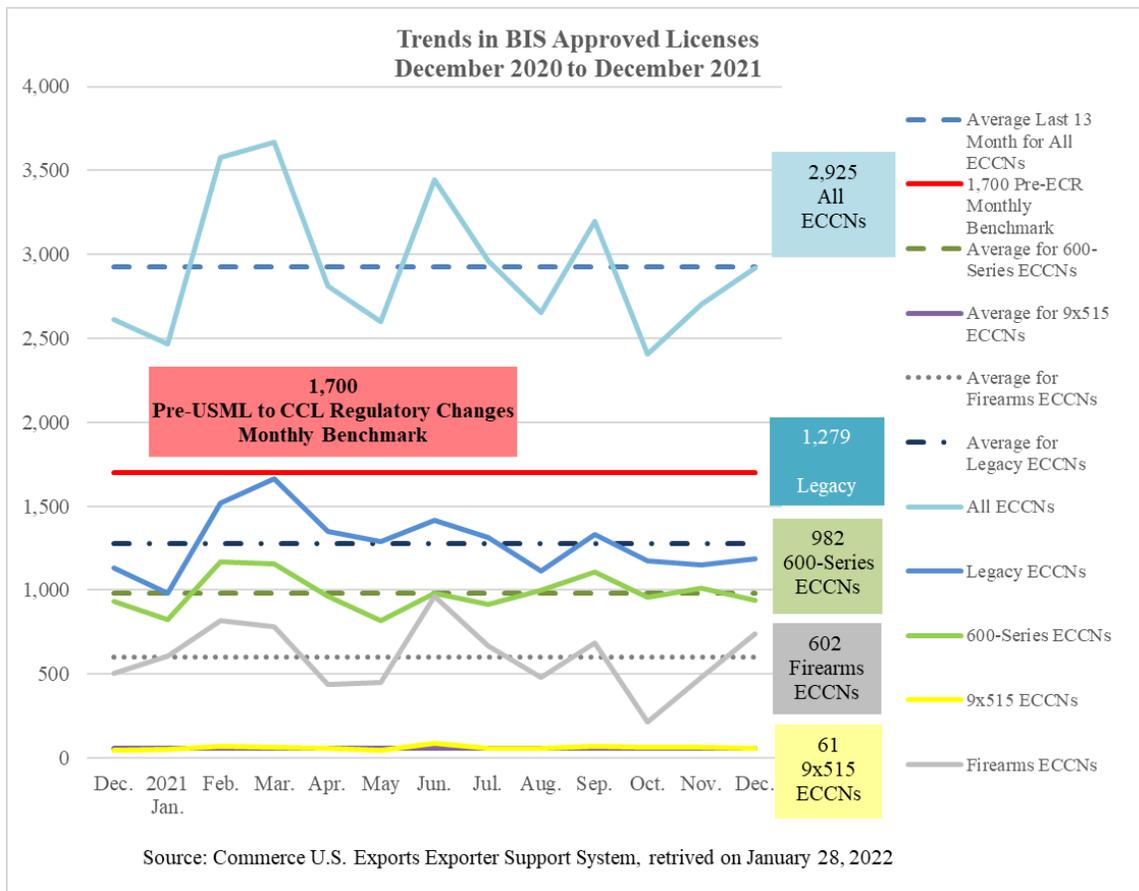
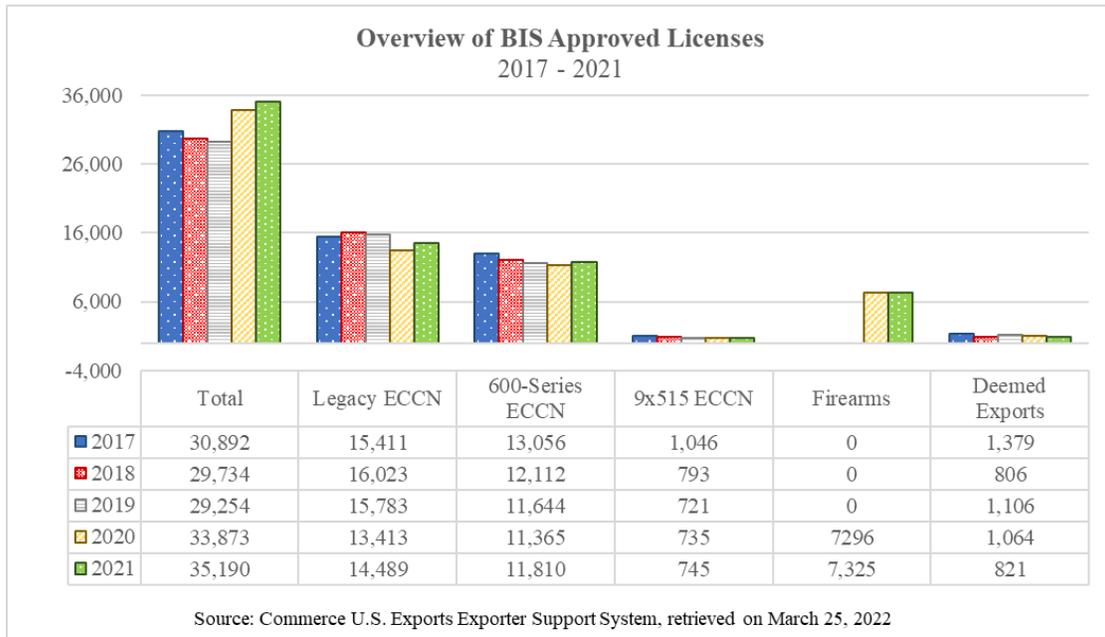
Office of Technology Evaluation

In 2021, BIS reviewed **942** applications for Deemed Export, a decrease of 22.3% from 1,212 in 2020, mainly due to the decrease in applications from Chinese and Iranian nationals.

Deemed Export Licenses Processed by BIS 2017-2021						
	2017	2018	2019	2020	2021	% Change from 2020
Approved	1,379	806	1,106	1,064	821	-22.8%
Rejected	24	11	3	6	8	33.3%
RWA*	107	150	193	142	113	-20.4%
Total	1,510	967	1,302	1,212	942	-22.3%
RWA: Return without action						
Source: Commerce U.S. Exports Exporter Support System, retrieved on February 16, 2022						
Note: All previously reported numbers are subject to revision based on changes in the source data on the retrieving date.						

The approved licenses for Deemed Export from Chinese nationals decreased by 33.6% from 423 approvals in 2020 to 281 approvals in 2021; and approved licenses for Iranian nationals decreased by 24.8% from 242 in 2020 to 182 in 2021.

Top Ten Countries of Origin for Deemed Export Licenses 2017-2021 Approved							
Country of Origin	Top ECCN 2021	2017	2018	2019	2020	2021	Country Approvals/ Total Applications 2021
China	3E001	756	317	566	423	281	34.2%
Iran	3E991	267	184	181	242	182	22.2%
India	1E001	79	77	67	92	99	12.1%
Mexico	3E611	20	31	45	34	32	3.9%
France	3E001	9	12	26	37	22	2.7%
Japan	3E611	21	15	16	18	15	1.8%
Vietnam	3E001	15	9	16	10	15	1.8%
Germany	0E505	6	9	8	12	14	1.7%
Italy	2E003		4	5	5	14	1.7%
United Kingdom	0E606	25	20	25	20	13	1.6%
Russia	3E001	44	9	20	14	11	1.3%
South Korea	9E619	3	1	6	8	10	1.2%
Syria	3E991	16	12	20	21	8	1.0%
Brazil	7E002	9	6	6	7	6	0.7%
Canada	1E001	4	2	4	11	5	0.6%
Total Approvals		<b>1,379</b>	<b>806</b>	<b>1,106</b>	<b>1,064</b>	<b>821</b>	
Source: Commerce U.S. Exports Exporter Support System, retrieved on February 16, 2022							
Note: 1. Ranking is based on 2021 data.							
2. All previously reported numbers are subject to revision based on changes in the source data on the retrieving date.							



In 2021, the average processing time was 33 calendar days.



# BIS License Determination Trends

2021

Office of Technology Evaluation

In 2021, the top approved ECCN were 9A610 for Military aircraft and related commodities with 5,265 approvals (221 more than 2020), followed by 0A501 for Firearms with 5,258 approvals (7 less), and 2B350 for Chemical manufacturing facilities and equipment with 2,225 (106 more than 2020).

Top Ten Approved (with deemed) ECCNs to World by Count		2017	2018	2019	2020	2021	% of World Total 2021
<b>APPROVED</b>	#1 <b>9A610</b> Military Aircraft and Related Commodities, Other Than Those Enumerated	5,419	5,143	5,059	5,044	5,265	100.0%
	#2 <b>0A501</b> Firearms (except 0A502 shotguns) and related commodities as follows (s	-	-	-	5,265	5,258	100.0%
	#3 <b>2B350</b> Chemical manufacturing facilities and equipment, except valves control	2,289	2,289	2,230	2,119	2,225	100.0%
	#4 <b>3A611</b> Military electronics, as follows (see List of Items Controlled).	2,755	2,458	2,275	2,028	2,138	100.0%
	#5 <b>EAR99</b> Items subject to the EAR that are not elsewhere specified in this CCL	766	551	680	819	1,655	100.0%
	#6 <b>0A504</b> Optical sighting devices for firearms (including shotguns controlled b	-	-	-	1,019	1,402	100.0%
	#7 <b>9E610</b> Technology “required” for the “development,” “production,” operation,	1,135	1,231	1,308	1,317	1,289	100.0%
	#8 <b>3A001</b> Electronic items as follows (see List of Items Controlled).	1,103	1,239	1,112	1,235	1,252	100.0%
	#9 <b>6A003</b> Cameras, Systems or Equipment, and “Components” Therefor, as Follows (	760	883	1,044	1,150	1,185	100.0%
	#10 <b>1C351</b> Human and animal pathogens and “toxins,” as follows (see List of Items	853	1,069	974	904	1,073	100.0%

Source: Commerce U.S. Exporter Support System, February 28, 2022

Note: ECCN Descriptions have been truncated: please review Commerce Control List for Full Description

Denied (with deemed) ECCNs to World by Count		2021	% of World Total 2021
<b>Denied</b>	#1 <b>5A991</b> Telecommunication equipment, not controlled by 5A001 (see List of Item	112	100.0%
	#2 <b>3A001</b> Electronic items as follows (see List of Items Controlled).	78	100.0%
	#3 <b>5A992</b> Equipment not controlled by 5A002 (see List of Items Controlled).	56	100.0%
	#4 <b>5D992</b> “Information Security” “software” not controlled by 5D002 as follows (	48	100.0%
	#5 <b>5D002</b> “Software” as follows (see List of Items Controlled).	45	100.0%
	#6 <b>6A003</b> Cameras, Systems or Equipment, and “Components” Therefor, as Follows (	37	100.0%
	#7 <b>3E991</b> “Technology” for the “development,” “production” or “use” of electroni	35	100.0%
	#8 <b>5E991</b> “Technology” for the “Development,” “Production” or “Use” of Equipment	32	100.0%
	#9 <b>5D991</b> “Software” “specially designed” or modified for the “development,” “pr	31	100.0%
	#10 <b>3A991</b> Electronic devices, and “components” not controlled by 3A001.	30	100.0%

Source: Commerce U.S. Exporter Support System, February 28, 2022

Note: ECCN Descriptions have been truncated: please review Commerce Control List for Full Description



# Summary of U.S. Exports to the World

Summary of U.S. Exports to World Calendar Year 2021				
	CY2021	CY2020	% of Total Exports	Percentage Change from previous year
Total Exports	\$1,753,941,405,889	\$1,424,934,919,133		23.1%
Total Subject to ITAR	\$36,720,683,002	\$35,672,927,656	2.1%	2.9%
Subject to Other Gov. Agencies	\$16,898,996,103	\$8,566,035,972	1.0%	97.3%
Detailed Summary of EAR-Controlled Exports				
AES License Type	Description	Value	Percentage of Total	Percentage Description
C30	Licenses	\$7,723,379,710	99.9%	
VDC	Voluntary Disclosure	\$8,940,426	0.1%	
<b>Total of Licensed</b>		\$7,732,320,136	0.4%	Total Licensed/Total Exports
C35	LVS	\$7,624,010	0.1%	
C36	GBS	\$490,403,734	3.3%	
C38	TSR	\$752,262	0.01%	
C40	TMP	\$1,477,970,129	10.1%	
C41	RPL	\$1,226,426,874	8.3%	
C42	GOV	\$1,705,628,264	11.6%	
C43	GFT	\$2,985,372	0.02%	
C44	TSU	\$119,096,366	0.8%	
C45	BAG	\$878,175	0.01%	
C46	AVS	\$60,255,963	0.4%	
C50	ENC	\$8,304,283,103	56.5%	
C51	AGR	\$248,722,843	1.7%	
C53	APP	\$4,003,986	0.03%	
C54	SS-WRC	\$1,126,459	0.01%	
C57	VEU	\$2,656,588	0.02%	
C59	STA	\$1,029,062,304	7.0%	
C62	SCP	\$20,242,301	0.1%	
<b>Total of License Exceptions</b>		\$14,702,118,733	<b>0.8%</b>	Total License Exceptions/Total Exports
			<b>65.5%</b>	Total License Exceptions/Total Subject to License Requirement
<b>Total subject to license requirement (Licensed and License Exceptions)</b>		\$22,434,438,869	<b>1.3%</b>	Total Subject to License Requirement/Total Exports
C33	NLR reporting an ECCN	\$176,246,916,851	10.0%	NLR reporting an ECCN/ Total Exports
C60	NLR for 600-Series ".y" subparagraph	\$286,678,342	0.02%	NLR for 600-Series ".y" subparagraph/ Total Exports
C63	NLR for OA501 .y subparagraph Firearms	\$21,373,167	0.001%	NLR for OA501 .y subparagraph firearms/ Total Exports
<b>Total of NLR</b>		\$176,554,968,360	<b>10.1%</b>	Total NLR with an ECCN/ Total Exports
<b>Exports not reporting an ECCN</b>		\$1,501,332,319,555	<b>85.6%</b>	

Source: U.S. Census Bureau, Foreign Trade Division and Automated Export System