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Analysis of U.S. Global Trade

Summary

Imports and exports reported by U.S. Census Bureau¹

In 2022, both U.S. exports and imports continued to grow for a third year in a row. In 2022, U.S. exports totaled \$2.1 trillion, an increase of 17.5% (\$307.3 billion) from \$1.8 trillion in 2021; U.S. imports totaled \$3.2 trillion, an increase of 14.6% (\$413.7 billion); and the trade deficit was \$1.2 trillion, an increase of 9.9% (\$106.3 billion).

Of the \$2.1 trillion in U.S. exports in 2022, machinery and mechanical appliances were the top commodity sectors, making up 20.7% of total exports. This was followed by oils, minerals, lime, and cement (19.0%), and chemicals, plastics, rubber, and leather products (16.6%).

Of the \$3.2 trillion in U.S. imports in 2022, the top commodity sectors were machinery and mechanical appliances (28.6% of the total imports), followed by chemicals, plastics, rubber, and leather products (14.5%), and transportation equipment (11.0%).

In 2022, U.S. Advanced Technology Products (ATP) exports totaled \$391.1 billion, an increase of 9.4% (\$33.7 billion) from 2021; U.S. ATP imports totaled \$633.8 billion, an increase of 14.6% (\$80.9 billion); and the trade deficit of ATP products totaled \$242.7 billion, an increase of 24.2% (\$47.3 billion).

\$79.7 billion (3.9% of total exports) were exported under a government license or license exception. \$197.8 billion (9.6% of total exports) fell under No License Required (NLR) (including NLR reporting an ECCN, 600-Series .y subparagraph items, and ECCN 0A501 .y subparagraph firearms items).

BIS export data²

In 2022, U.S. exports shipped under a BIS license exception totaled \$16.0 billion, representing an increase of 8.3% from \$14.8 billion 2021.

¹ Export data in this section refers to trade in “goods” as defined by the U.S. Census: “Merchandise, supplies, raw materials, and products or any other item identified by a Harmonized System (HS) code.” Such data does not capture trade in technologies (e.g., exports made as transmissions or transfers); nor does it capture reexports of US-origin goods or technologies from another country. Nor does it include deemed exports or reexports. <https://www.census.gov/foreign-trade/reference/definitions/index.html#goods>.

² Export data in this section is derived from Automated Export System (AES) filings. Data in this section refers to the export of commodities, software, and technology subject to the Export Administration Regulations (EAR) and regulated as “items.” The data includes exports whether made under a license or a license exception. Such data does not capture trade in technologies (e.g., exports made as transmissions or transfers), nor does it capture reexports of US-origin goods from a third country. Nor does it include deemed exports or deemed reexports.



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BIS licensing data³

In 2022, BIS reviewed 40,502 license applications with a total value of \$335.9 billion. Of these, 1,457 applications were for Deemed Export⁴, up from 924 in 2021 (a 57.7% increase). 39,038 applications were for exports and re-exports for commodities, software and technology, a decrease of 2.1% from 39,888 in 2021.

In 2022, the top ECCNs on approved licenses were 0A501 for Firearms with 5,433 approvals, followed by 9A610 for Military aircraft and related commodities with 5,036 approvals and 3A611 for Military electronics with 2,109 approvals.

In 2022, the average processing time for all license application submitted to BIS was 36 calendar days.

³ Licensing data in this section is drawn from BIS internal systems. Data pertains to applications for export and/or reexport licenses and their associated outcomes. Reexport and export licenses and applications are not differentiated in this report; therefore, references to export licenses or applications should be interpreted as inclusive of reexport licenses and applications as well. All licensing figures include cases of deemed export and/or deemed reexport, unless otherwise noted.

⁴ Deemed exports are defined in 734.13(b) of the EAR: “Any release in the United States of “technology” or source code to a foreign person is a deemed export to the foreign person's most recent country of citizenship or permanent residency.”

<https://www.ecfr.gov/current/title-15/subtitle-B/chapter-VII/subchapter-C/part-734/section-734.13>



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I. Total U.S. Trade with the World⁵

In 2022, both U.S. exports and imports continued to grow for a third year in a row. In 2021, U.S. exports totaled \$2.1 trillion, an increase of 17.5% (\$307.3 billion) from \$1.8 trillion in 2021; U.S. imports totaled \$3.2 trillion, an increase of 14.6% (\$413.7 billion); and the trade deficit was \$1.2 trillion, an increase of 9.9% (\$106.3 billion).



Source: U.S. Census Bureau USA Trade Portal August 03, 2023

	2017	2018	2019	2020	2021	2022	2017-2021 Average
EXPORTS	\$1,547.2	\$1,665.8	\$1,645.9	\$1,430.0	\$1,757.8	\$2,065.2	
Δvalue	--	\$118.6	-\$19.8	-\$215.9	\$327.8	\$307.3	\$1,609.3
Δpct	--	7.7%	-1.2%	-13.1%	22.9%	17.5%	
IMPORTS	\$2,339.6	\$2,536.1	\$2,491.7	\$2,331.5	\$2,828.9	\$3,242.5	
Δvalue	--	\$196.6	-\$44.4	-\$160.2	\$497.4	\$413.7	\$2,505.6
Δpct	--	8.4%	-1.8%	-6.4%	21.3%	14.6%	
BALANCE	(\$792.4)	(\$870.4)	(\$845.8)	(\$901.5)	(\$1,071.1)	(\$1,177.4)	
Δvalue	--	(\$78.0)	\$24.6	(\$55.7)	(\$169.6)	(\$106.3)	(\$896.2)
Δpct	--	9.8%	-2.8%	6.6%	18.8%	9.9%	

Values in Billions of U.S. Dollars. Source: U.S. Census Bureau USA Trade Portal August 03, 2023

In 2022, both U.S. exports and imports as well as the trade deficit all exceeded the prior five-year average level by value not adjusted for inflation.

⁵ Export data in this section refers to trade in “goods” as defined by the U.S. Census: “Merchandise, supplies, raw materials, and products or any other item identified by a Harmonized System (HS) code.” Such data does not capture trade in technologies (e.g., exports made as transmissions or transfers); nor does it capture reexports of US-origin goods or technologies from another country. Nor does it include deemed exports or reexports. <https://www.census.gov/foreign-trade/reference/definitions/index.html#goods>.



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Of the \$2.1 trillion in U.S. exports in 2022, machinery and mechanical appliances were the top commodity sectors, making up 20.7% of total exports. This was followed by oils, minerals, lime, and cement (19.0%), and chemicals, plastics, rubber, and leather products (16.6%).

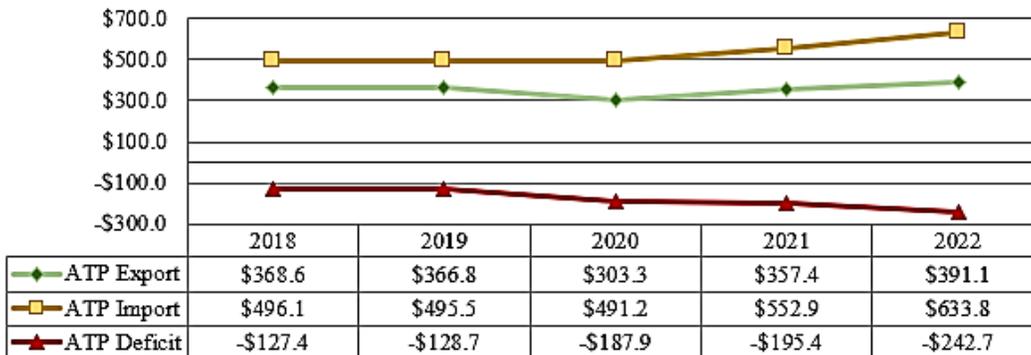
Of the \$3.2 trillion in U.S. imports in 2022, the top commodity sectors were machinery and mechanical appliances (28.6% of the total imports), followed by chemicals, plastics, rubber, and leather products (14.5%), and transportation equipment (11.0%).

U.S. Global Imports	Total U.S. Commodity Trade, 2022	U.S. Global Exports
\$3,242,529,859,066	Total Value All Commodities	\$2,065,156,971,432
6.8%	Agriculture Products (Chapters 01-24)	9.3%
9.8%	Oils, Minerals, Lime, Cement (Chapters 25-27)	19.0%
14.5%	Chemicals, Plastics, Rubber, Leather Goods (Chapters 28-43)	16.6%
2.0%	Wood, Cork, Paper, Printed Books (Chapters 44-49)	2.1%
5.6%	Textiles, Footwear, Headgear (Chapters 50-67)	1.6%
3.8%	Stone, Glass, Metals, Pearls (Chapters 68-71)	5.1%
5.9%	Base Metals, Iron, Steel, Tools (Chapters 72-83)	4.2%
28.6%	Machinery & Mechanical Appliances (Chapters 84-85)	20.7%
11.0%	Transportation Equipment (Chapters 86-89)	11.9%
3.7%	Optical, Measuring, Medical, Other Instruments (Chapters 90-92)	4.9%
0.1%	Arms & Ammunition (Chapter 93)	0.2%
4.2%	Miscellaneous Manufactured Items (Chapters 94-96)	1.0%
0.3%	Art, Collectors' Pieces, Antiques (Chapter 97)	0.5%
2.9%	Special Classification Items (Chapter 98)	2.9%
0.7%	Temporary Legislation (Chapter 99)	0.0%

Source: U.S. Census Bureau USA Trade Portal August 03, 2023

In 2022, U.S. Advanced Technology Products (ATP) exports totaled \$391.1 billion, an increase of 9.4% (\$33.7 billion) from 2021; U.S. ATP imports totaled \$633.8 billion, an increase of 14.6% (\$80.9 billion); and the trade deficit of ATP products totaled \$242.7 billion, an increase of 24.2% (\$47.3 billion).

U.S. Global Trade in Advanced Technology Products, 2018 - 2022
(Billions)



Source: U.S. Census Bureau, Automated Export System, retrieved on August 3, 2023



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II. U.S. Global Exports subject to U.S. Government Export Controls⁶

In 2022, of \$2.1 trillion⁷ in U.S. exports:

- \$8.0 billion (0.4%) was shipped under BIS licenses, an increase of 3.4%;
- \$16.0 billion (0.8%) was shipped under BIS license exemption, an increase of 8.3%
- \$197.4 billion (9.6%) was shipped under NLR reporting an ECCN, an increase of 11.9% compared to 2021.⁸
- \$395.4 million (0.02%) was shipped under NLR for 600-Series .y subparagraph items, an increase of 37.9%.⁹
- \$15.3 million (0.0007%) was shipped under NLR for ECCN 0A501 .y subparagraph firearms items, a decrease of 28.6%.¹⁰

World		2020	2021	2022
	Licensed by BIS	\$6.6	\$7.7	\$8.0
	BIS License Exceptions	\$14.4	\$14.8	\$16.0
	NLR reporting an ECCN	\$154.7	\$176.3	\$197.4
	NLR DY6 600-Series .y subparagraph [9]	\$0.3	\$0.3	\$0.4
	NLR YFA 0A501 .y subparagraph firearms [10]	\$0.01	\$0.02	\$0.02
Values in Billions of U.S. Dollars. Source: Automated Export System		February 15, 2023		

⁶ Unless otherwise specified, export data in this section is derived from Automated Export System (AES) filings. Data in this section refers to the export of commodities, software, and technology subject to the Export Administration Regulations (EAR) and regulated as “items.” The data includes exports whether made under a license or a license exception. Such data does not capture trade in technologies (e.g., exports made as transmissions or transfers), nor does it capture reexports of US-origin goods from a third country. Nor does it include deemed exports or deemed reexports.

⁷ This figure is reported by the U.S. Census Bureau. “Total exports” refers to “goods” as defined by the U.S. Census: “Merchandise, supplies, raw materials, and products or any other item identified by a Harmonized System (HS) code.” Such data does not capture trade in technologies (e.g., exports and imports made as transmissions or transfers), nor does it capture reexports of US-origin goods from another country <https://www.census.gov/foreign-trade/reference/definitions/index.html#goods>.

⁸ Line items reported in AES as license type C33 with an ECCN. Excludes items classified as EAR99.

⁹ Line items reported in AES as 9x515 subparagraph .y or “600 series”, and shipped under license type C60 and license number DY6.

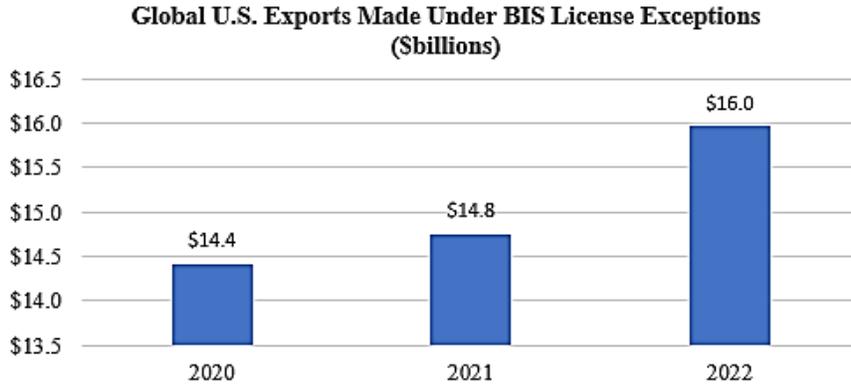
¹⁰ Line items reported in AES as 0A501 subparagraph .y and shipped under license type code C63, and license number YFA.



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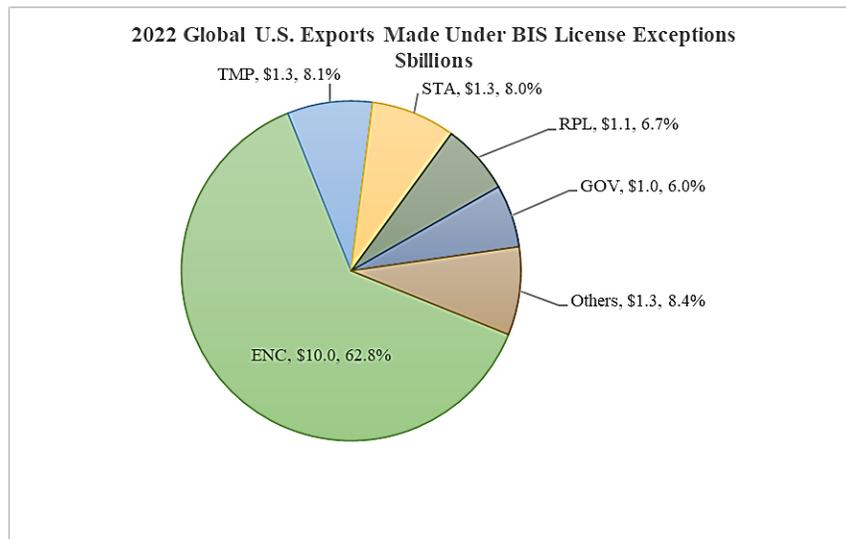
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In 2022, U.S. exports shipped under a BIS license exception totaled \$16.0 billion, an increase of 8.3% from 2021.



Source: Automated Export System, February 15, 2023

In 2022, the top license exception, Encryption commodities, software, and technology (ENC) totaled \$10.0 billion (62.8% of all license exceptions), followed by Temporary imports, exports, reexports, and transfers (in-country) (TMP), totaled at \$1.3 billion (8.1%), and Strategic Trade Authorization (STA), totaled at \$1.3 billion (8.0%).¹¹



¹¹ BIS License Exceptions: ENC: Encryption commodities, software, and technology, TMP: Temporary imports, exports, reexports, and transfers (in-country), STA: Strategic Trade Authorization, RPL: Servicing and replacement of parts and equipment, GOV: Governments, international organizations, international inspections under the Chemical Weapons Convention, and the International Space Station

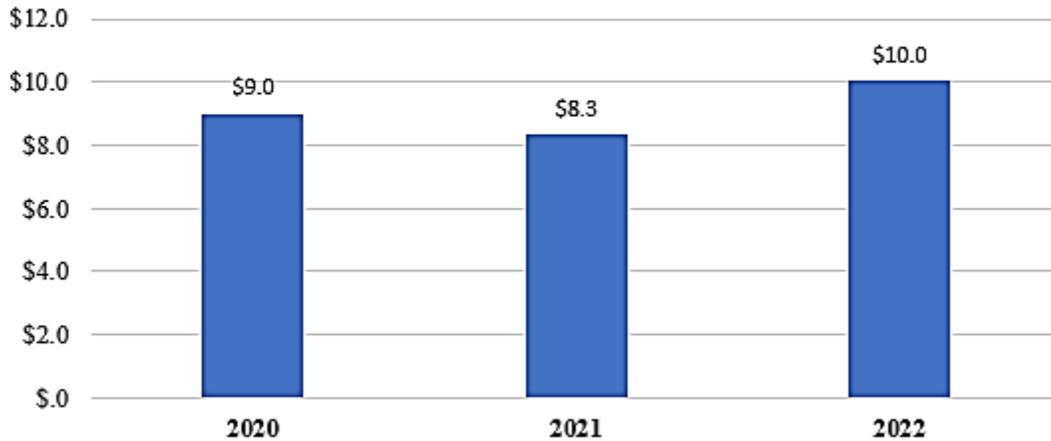


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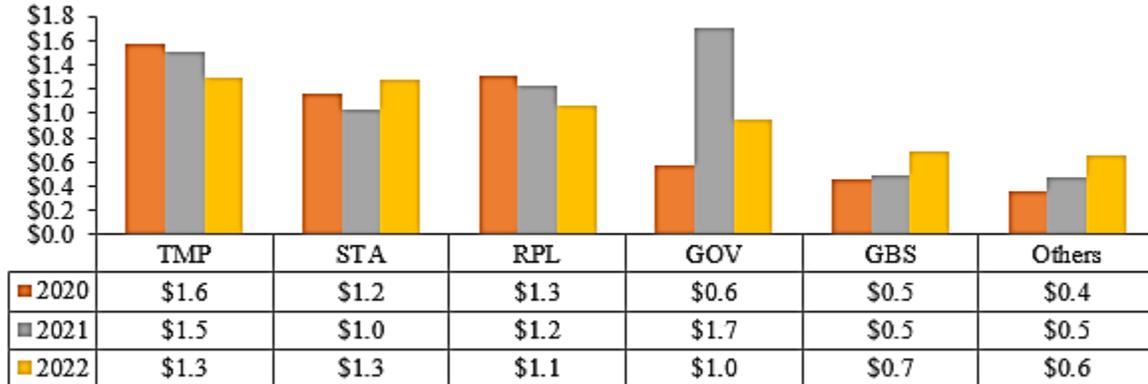
In 2022, U.S. global exports shipped under BIS license exception ENC totaled \$10.0 billion, an increase of 20.4% from 2021.

**U.S. Global Exports Made Under BIS License Exception
Encryption Commodities & Software
(\$billions)**



Source: Automated Export System, February 15, 2023

**U.S. Global Exports Made Under BIS License Exceptions
Excluding Encryption Commodities & Software
(\$billions)**



Source: Automated Export System, February 15, 2023



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LICENSED	Top ECCNs Reported in U.S. Global Exports, by aggregate shipment value (\$millions)		
	#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	0A501	Firearms (except 0A502 shotguns) and related commodities as follows (s
	#5	3A611	Military electronics, as follows (see List of Items Controlled).
	#6	0A505	Ammunition as follows (see List of Items Controlled).
	#7	3A001	Electronic items as follows (see List of Items Controlled).
	#8	3B001	Equipment for the manufacturing of semiconductor devices or materials,
	#9	7A103	Instrumentation, navigation equipment and systems, other than those co
	#10	0A606	Ground vehicles and related commodities, as follows (see List of Items

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

EXCEPTIONS	Top ECCNs Reported in U.S. Global Exports, by aggregate shipment value (\$millions)		
	#1	5A002	“Information security” systems, equipment and “components,” as follows
	#2	9A610	Military Aircraft and Related Commodities, Other Than Those Enumerated
	#3	9A619	Military gas turbine engines and related commodities (see List of Item
	#4	3A001	Electronic items as follows (see List of Items Controlled).
	#5	EAR99	Items subject to the EAR that are not elsewhere specified in this CCL
	#6	3A611	Military electronics, as follows (see List of Items Controlled).
	#7	5B002	“Information Security” test, inspection and “production” equipment, as
	#8	9A991	“Aircraft,” n.e.s., and gas turbine engines not controlled by 9A001 or
	#9	9A515	“Spacecraft” and related commodities, as follows (see List of Items Co
	#10	5A991	Telecommunication equipment, not controlled by 5A001 (see List of Item

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

NLR with ECCN	Top ECCNs Reported in U.S. Global Exports, by aggregate shipment value (\$millions)		
	#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	7A994	Other navigation direction finding equipment, airborne communication e
	#9	2B999	Specific Processing Equipment, n.e.s., as Follows (See List of Items C
	#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

Source: Automated Export System, February 15, 2023



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LICENSED	Top ECCNs Reported in U.S. Global Exports, by shipment count [1]		
	#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	EAR99	Items subject to the EAR that are not elsewhere specified in this CCL
	#7	3A611	Military electronics, as follows (see List of Items Controlled).
	#8	2B350	Chemical manufacturing facilities and equipment, except valves control
	#9	0A504	Optical sighting devices for firearms (including shotguns controlled b
#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

EXCEPTIONS	Top ECCNs Reported in U.S. Global Exports, by shipment count [1]		
	#1	5A002	“Information security” systems, equipment and “components,” as follows
	#2	9A610	Military Aircraft and Related Commodities, Other Than Those Enumerated
	#3	EAR99	Items subject to the EAR that are not elsewhere specified in this CCL
	#4	0A501	Firearms (except 0A502 shotguns) and related commodities as follows (s
	#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

NLR with ECCN	Top ECCNs Reported in U.S. Global Exports, by shipment count [1]		
	#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	5A991	Telecommunication equipment, not controlled by 5A001 (see List of Item
	#5	4A994	Computers, “electronic assemblies” and related equipment not controlle
	#6	7A994	Other navigation direction finding equipment, airborne communication e
	#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	3A992	General purpose electronic equipment not controlled by 3A002.
#10	3B992	Equipment not controlled by 3B002 for the inspection or testing of ele	

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

[1] Source: Automated Export System, February 15, 2023. Shipment count is the number of distinct AES filings containing the given ECCN.



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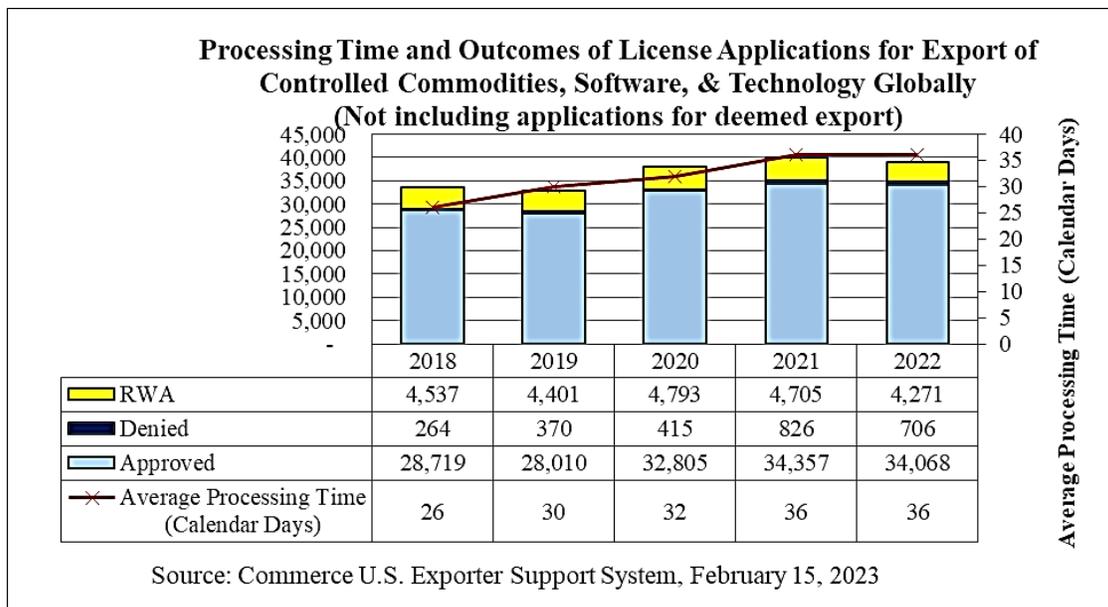
Analysis of U.S. Global Trade

III. BIS License Determination¹²

In 2022, BIS reviewed 40,502 license applications with a total value of \$335.9 billion. Of these, 1,457 applications were for Deemed Export, up from 924 in 2021 (a 57.0% increase). 39,045 applications were for exports and re-exports for commodities items, software and technology, a decrease of 2.1% from 39,888 in 2021.

In 2022, of 39,045 applications for exports and re-exports for commodities, software and technology:

- Approved licenses totaled 34,068, a decrease of 0.8 % from 2021. The approval rate was 87.3%;
- Denied licenses applications totaled 706, a decrease of 14.5% from 2021; and
- Return without action (RWA) applications totaled 4,271, a decrease of 9.2%.



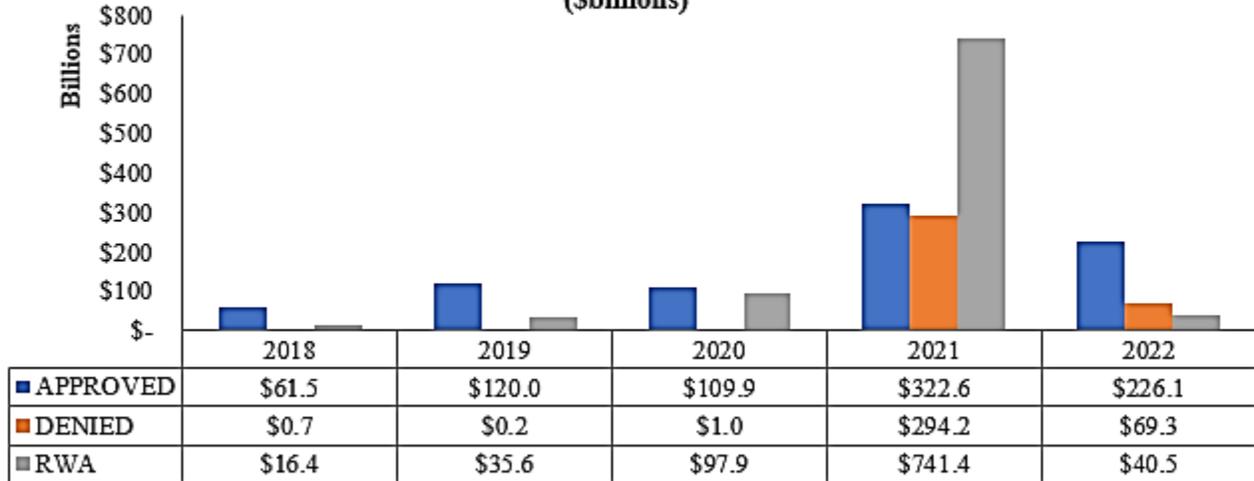
¹² Licensing data in this section is drawn from BIS internal systems. Data pertains to applications for export and/or reexport licenses and their associated outcomes. Reexport and export licenses and applications are not differentiated in this report; therefore, references to export licenses or applications should be interpreted as inclusive of reexport licenses and applications as well. All licensing figures include cases of deemed exports and/or deemed reexports, unless otherwise noted.



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Values of License Applications for Export of Controlled Commodities, Software, & Technology to World, by Outcome (Billions)



Source: Commerce U.S. Exporter Support System, February 15, 2023

In 2022, the average processing time was 36 calendar days.

In 2022, BIS reviewed 1,457 applications for Deemed Export, an increase of 57.7% from 924 in 2021.

Decision	2018	2019	2020	2021	2022
APPROVED	805	1103	1059	803	1342
RWA	153	202	142	113	106
DENIED	11	3	6	8	9
Total	969	1308	1207	924	1457

Source: Commerce U.S. Exports Support System, retrieved on August 10, 2023



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Top 10 ECCNs on Approved Licenses for Deemed Export, 2022	
ECCN and Description	License Count
3E002-Other Technology For Items In Category 3	473
3E001-Technology For Dev Or Prod Of Certain Items In 3A/	432
5E001-Technology For Dev/Prod/Use, Etc, Of Equip. In 5A0	418
5E002-Technology For Dev/Prod/Use Of Information Security	323
5E992-Technology For Information Security/Cryptology	237
3E991-Manufacturing And Test Equipment For 3B991/92	221
5E991-Technology For Dev/Prod/Use Of 5B994 Or 5D991	205
4E992-Technology For Dev/Prod/Use Of 4A994/4B994/4C994	175
5D002-Software For Information Security	170
5D991-Software For Dev/Prod/Use With 5B994 Test Equipment	145

Note: ECCN Descriptions have been truncated, please review Commerce Control List for Full Description
 Source: Commerce U.S. Exports Support System, retrieved on August 10, 2023.

The top nationalities on Deemed Export applications were Chinese, Iranian, and Mexican. Of all approved licenses, 35.4% were issued to Chinese nationals, an increase of 76.6% from 269 approvals in 2021 to 475 approvals in 2022. Iranian nationals accounted for 23.0%, increasing by 71.1% from 180 in 2021 to 308 in 2022. Mexican nationals accounted for 11.8% of the total with 159 approvals, a nearly four-fold increase over 32 approvals in 2021.



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Nationalities on Approved Licenses for Deemed Export, 2018-2022						
Country	2018	2019	2020	2021	2022	% of Total Approvals, 2022
China	318	567	420	269	475	35.4%
Iran	182	180	242	180	308	23.0%
Mexico	31	45	34	32	159	11.8%
India	78	63	91	99	102	7.6%
United Kingdom	19	25	20	11	24	1.8%
Vietnam	9	17	10	14	22	1.6%
Germany	9	8	12	13	20	1.5%
Syria	12	20	21	8	17	1.3%
France	12	26	37	22	16	1.2%
Japan	15	16	18	15	13	1.0%
Brazil	6	6	7	6	11	0.8%
Italy	4	5	5	14	11	0.8%
Russia	9	19	13	11	11	0.8%
Iraq	1	0	1	1	8	0.6%
Australia	4	3	7	4	8	0.6%
Rest of world	96	103	121	104	137	10.2%
Total	805	1,103	1,059	803	1,342	

Source: Commerce U.S. Exports Support System, retrieved on August 10, 2023

In 2022, the top ECCNs on approved licenses were 0A501 for Firearms with 5,433 approvals, followed by 9A610 for Military aircraft and related commodities with 5,036 approvals and 3A611 for Military electronics with 2,109 approvals.

Top ECCNs Approved for Export Globally, by Number of Licenses		2018	2019	2020	2021	2022
APPROVED	#1 0A501 Firearms (except 0A502 shotguns) and related commodities as follows (s	-	-	5,265	5,256	5,433
	#2 9A610 Military Aircraft and Related Commodities, Other Than Those Enumerated	5,143	5,058	5,044	5,265	5,036
	#3 3A611 Military electronics, as follows (see List of Items Controlled).	2,458	2,275	2,028	2,138	2,109
	#4 2B350 Chemical manufacturing facilities and equipment, except valves control	2,271	2,200	2,118	2,223	2,018
	#5 0A504 Optical sighting devices for firearms (including shotguns controlled b	-	-	1,019	1,402	1,570
	#6 9E610 Technology "required" for the "development," "production," operation,	1,231	1,308	1,317	1,289	1,441
	#7 EAR99 Items subject to the EAR that are not elsewhere specified in this CCL	547	669	807	1,644	1,440
	#8 6A003 Cameras, Systems or Equipment, and "Components" Therefor, as Follows (879	1,040	1,149	1,185	1,330
	#9 3A001 Electronic items as follows (see List of Items Controlled).	1,232	1,110	1,228	1,245	1,289
	#10 0A505 Ammunition as follows (see List of Items Controlled).	-	-	1,366	964	1,216

Source: Commerce U.S. Exporter Support System, February 15, 2023



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Aside from EAR99 items, the top ECCNs on denied licenses were 9A991 for Aircraft not elsewhere specified with 57 denials, 5A992 for Equipment not controlled by 5A002 with 47 denials, and 3B991 for Equipment not controlled by 3B001 with 46 denials.

ECCNs on Denied License Applications for Global Export			2022
Denied	#1	EAR99 Items subject to the EAR that are not elsewhere specified in this CCL	255
	#2	9A991 "Aircraft," n.e.s., and gas turbine engines not controlled by 9A001 or	57
	#3	5A992 Equipment not controlled by 5A002 (see List of Items Controlled).	47
	#4	3B991 Equipment not controlled by 3B001 for the manufacture of electronic "p	46
	#5	0A501 Firearms (except 0A502 shotguns) and related commodities as follows (s	41
	#6	9E991 "Technology", for the "development", "production" or "use" of equipmen	37
	#7	2B999 Specific Processing Equipment, n.e.s., as Follows (See List of Items C	33
	#8	3E991 "Technology" for the "development," "production" or "use" of electroni	31
	#9	5D992 "Information Security" "software" not controlled by 5D002 as follows (28
	#10	3A001 Electronic items as follows (see List of Items Controlled).	27

Source: Commerce U.S. Exporter Support System, February 15, 2023

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



FOR PUBLIC RELEASE

Analysis of U.S. Global Trade

Summary of U.S. Exports to World Calendar Year 2022				
	2021	2022	% change	
Total Exports [1]	\$ 1,757,821,567,908	\$ 2,065,156,971,432	17.5%	
EAR Controlled Exports [2]				
	2021	2022	% change	% of total exports 2022
C30 - Licenses	\$ 7,689,010,083	\$ 7,953,107,766	3.4%	0.4%
License Exceptions [2]				
	2021	2022	% of total license exceptions 2022	% of total exports 2022
C50 - ENC	\$ 8,331,313,885	\$ 10,029,456,144	62.8%	0.5%
C40 - TMP	\$ 1,502,277,403	\$ 1,294,888,534	8.1%	0.1%
C59 - STA	\$ 1,029,012,376	\$ 1,279,965,920	8.0%	0.1%
C41 - RPL	\$ 1,223,834,335	\$ 1,071,823,730	6.7%	0.1%
C42 - GOV	\$ 1,705,565,371	\$ 954,297,700	6.0%	0.05%
C36 - GBS	\$ 490,881,209	\$ 690,167,338	4.3%	0.03%
C51 - AGR	\$ 248,722,843	\$ 301,842,302	1.9%	0.01%
C44 - TSU	\$ 119,083,510	\$ 153,156,202	1.0%	0.007%
C46 - AVS	\$ 60,072,061	\$ 129,998,642	0.8%	0.006%
C62 - SCP	\$ 20,242,301	\$ 28,048,040	0.2%	0.001%
C35 - LVS	\$ 7,370,405	\$ 17,739,409	0.1%	0.001%
C53 - APP	\$ 4,003,986	\$ 4,619,202	0.03%	0.0002%
C57 - VEU	\$ 2,656,588	\$ 4,251,868	0.03%	0.0002%
C58 - CCD	\$ 30,000.00	\$ 3,450,640.00	0.02%	0.0002%
C43 - GFT	\$ 2,985,372.00	\$ 2,291,637.00	0.01%	0.0001%
C38 - TSR	\$ 752,262.00	\$ 1,063,623.00	0.01%	0.0001%
C45 - BAG	\$ 844,284.00	\$ 589,362.00	0.004%	0.00003%
C54 - SS-WRC	\$ 1,126,459.00	\$ 90,630.00	0.001%	0.000004%
Subtotal License Exceptions	\$ 14,750,774,650	\$ 15,967,740,923		0.8%
Total of Licensed Exports and License Exceptions	\$ 22,458,321,178	\$ 23,921,400,087		1.2%
NLR [2]				
	2021	2022	% of total NLR 2022	% of total exports 2022
C33 - NLR with an ECCN	\$ 176,303,782,821	\$ 197,371,378,604	99.8%	9.6%
C60 - NLR for 600-series .y subparagraph	\$ 286,803,003	\$ 395,386,836	0.2%	0.02%
C63 - NLR for 0A501 .y subparagraph Firearms	\$ 21,508,981	\$ 15,349,590	0.01%	0.0007%
Subtotal NLR	\$ 176,612,094,805	\$ 197,782,115,030	100.0%	9.6%

[1] Source: U.S. Census. Refers to trade in "goods" as defined by the U.S. Census: "Merchandise, supplies, raw materials, and products or any other item identified by a Harmonized System (HS) code." Such data does not capture trade in technologies (e.g., exports made as transmissions or transfers); nor does it capture reexports of US-origin goods or technologies from another country. Nor does it include deemed exports or reexports.

[2] Source: Automated Export System filings.