



U.S. Trade with Singapore

Summary

In 2021, U.S. exports to Singapore totaled \$35.8 billion, a 32.8% (\$8.8 billion) increase from 2020; U.S. imports from Singapore totaled \$29.4 billion, a 4.5% (\$1.4 billion) decrease; and the trade surplus was \$6.3 billion, an increase of \$10.2 billion from the trade deficit of \$3.9 billion in 2020.

In 2021, **2.0%** of total U.S. exports were shipped to Singapore while **1.0%** of total U.S. Imports were delivered from Singapore.

In 2021, the most traded commodity sectors of U.S exports to Singapore were:

- 1) Machinery & Mechanical Appliances,
- 2) Oils, Minerals, Lime, and Cement,
- 3) Chemicals, Plastics, Rubber, and Leather goods

In 2021, \$243.0 million (0.7% of the total exports) was shipped under BIS licenses. The top ECCNs by value are similar to that in 2020. In 2021, the top ECCNs were 9A610 for Military aircraft and related Commodities, other than those enumerated in 9A991.a; 9A619 for Military gas turbine engines and related commodities, and 2B350 for Chemical manufacturing facilities and equipment, except valves control.

In 2021 \$537.5 million (1.5% of the total exports) was shipped under BIS license exception authorization. The top ECCNs by value are similar to that in 2020. In 2021, the top ECCNs were 5A002 for (“Information security” systems, equipment and “components,”; EAR99 for (items subject to the EAR that are not elsewhere specified), and 3A001 for electronic items.

In 2021, BIS has processed a total of 785 export/re-export license applications (not including deemed export applications) valued at \$3.7 billion for tangible items, software and technology for Singapore. BIS has approved 715, 91.1% of the total applications valued at \$2.9 billion. RWA totaled 69 valued at \$0.1 billion. There was one denial valued at \$0.8 million.

In 2021, BIS received 2 applications from Singaporean nationals for deemed exports and 2 were approved. There were no RWA and denials.

The top approved ECCNs with deemed are 9A610 for Military aircraft and related commodities with 143 approvals; 2B350 for Chemical manufacturing facilities and equipment, except valves control with 104 approvals, and 2B230 for All types of “pressure transducers” capable of measuring absolute pressure with 33 approvals.

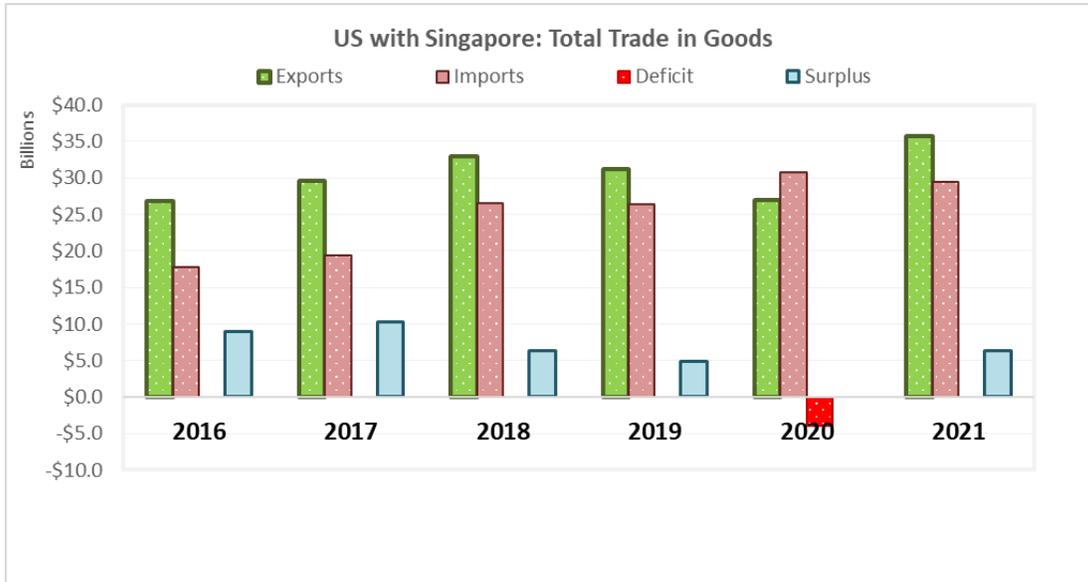
In 2021, the average processing time for Singapore was 28 calendar days.



U.S. Trade with Singapore

I. Total U.S. Trade in Goods with Singapore

In 2021, U.S. exports to Singapore totaled \$35.8 billion, a 32.8% (\$8.8 billion) increase from 2020; U.S. imports from Singapore totaled \$29.4 billion, a 4.5% (\$1.4 billion) decrease; and the trade surplus was \$6.3 billion, an increase of \$10.2 billion from the trade deficit of \$3.9 billion in 2020.



In 2021, the level of U.S. exports to Singapore and U.S. imports from Singapore exceeded the prior five-year average level by value not adjusted for inflation. The U.S. trade surplus with Singapore exceeded the prior five-year average level by value not adjusted for inflation.

	2016	2017	2018	2019	2020	2021	2016-2020 Average
EXPORTS	\$26,815.6	\$29,649.1	\$32,890.6	\$31,193.7	\$26,929.2	\$35,762.6	\$29,495.6
Δvalue	--	\$2,833.6	\$3,241.4	-\$1,696.9	-\$4,264.5	\$8,833.4	
Δpct	--	10.6%	10.9%	-5.2%	-13.7%	32.8%	
IMPORTS	\$17,832.1	\$19,367.4	\$26,519.8	\$26,394.9	\$30,825.4	\$29,433.9	\$24,187.9
Δvalue	--	\$1,535.3	\$7,152.4	-\$124.8	\$4,430.5	-\$1,391.6	
Δpct	--	8.6%	36.9%	-0.5%	16.8%	-4.5%	
BALANCE	\$8,983.5	\$10,281.8	\$6,370.8	\$4,798.8	(\$3,896.2)	\$6,328.8	\$5,307.7
Δvalue	--	\$1,298.3	(\$3,910.9)	(\$1,572.1)	(\$8,695.0)	\$10,225.0	
Δpct	--	14.5%	-38.0%	-24.7%	-181.2%	-262.4%	

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



U.S. Trade with Singapore

In 2021, of the \$35.8 billion in U.S. exports to Singapore, the top commodity sectors were Machinery & Mechanical Appliances (28.4%), Oils, Minerals, Lime, Cement (15.8%), and Chemicals, Plastics, Rubber, Leather goods (15.1%).

In 2021, of the \$29.4 billion in U.S. imports from Singapore, the top commodity sectors were Chemicals, Plastics, Rubber, Leather goods (32.1%), Machinery & Mechanical Appliances (22.2%), and Optical, Measuring, Medical, Other Instruments (13.2%).

Imports from Singapore by Sector	Singapore Commodity Trade 2021	US exports to Singapore by Sector
\$29,433,854,383	Total Value All Commodities	\$35,762,643,466
12.1%	Agriculture (Chapters 01-24)	3.37%
5.5%	Oils, Minerals, Lime, Cement (Chapters 25-27)	15.8%
32.1%	Chemicals, Plastics, Rubber, Leather (Chapters 28-43)	15.1%
0.2%	Wood, Cork, Paper, Printed Books (Chapters 44-49)	0.4%
0.0%	Textiles, Footwear, Headgear (Chapters 50-67)	0.3%
2.2%	Stone, Glass, Metals, Pearls (Chapters 68-71)	7.0%
0.4%	Base Metals, Iron, Steel, Tools (Chapters 72-83)	1.7%
22.2%	Machinery & Mechanical Appliances (Chapters 84-85)	28.4%
0.5%	Transportation Equipment (Chapters 86-89)	14.9%
13.2%	Optical, Measuring, Medical, Other Instruments (Chapters 90-92)	9.2%
0.0%	Arms & Ammunition (Chapter 93)	0.0%
0.1%	Miscellaneous Manufactured Items (Chapters 94-96)	0.3%
0.0%	Art, Collectors' Pieces, Antiques (Chapter 97)	0.2%
11.6%	Special Items (Chapters 98)	3.3%

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

In 2021, **2.0%** of total U.S. exports were shipped to Singapore while **1.0%** of total U.S. Imports were delivered from Singapore.

U.S. Trade with Singapore in Stone, Glass, Metals, Pearls

In 2021, the U.S. imported \$0.6 billion in Stone, Glass, Metals, and Pearls from Singapore, a significant decrease of 88.5% from \$5.6 billion in 2020, almost \$5.0 billion less. U.S. exports of Stone, Glass, Metals, and Pearls increased from \$0.8 billion in 2020 to \$2.5 billion in 2021, making up 2.7% of all U.S. exports of these commodities worldwide.

U.S. Trade with Singapore in Optical, Measuring, Medical, Other Instruments

In 2021, the U.S. imported \$3.9 billion worth of Optical, Measuring, Medical, and Other Instruments representing 3.5% of the global U.S. imports of those commodities; U.S. exported \$3.3 billion representing 3.5% of the global U.S. exports of those commodities.



U.S. Exports to Singapore subject to U.S. Government Export Control

II. Exports to Singapore subject to U.S. Government Export Control

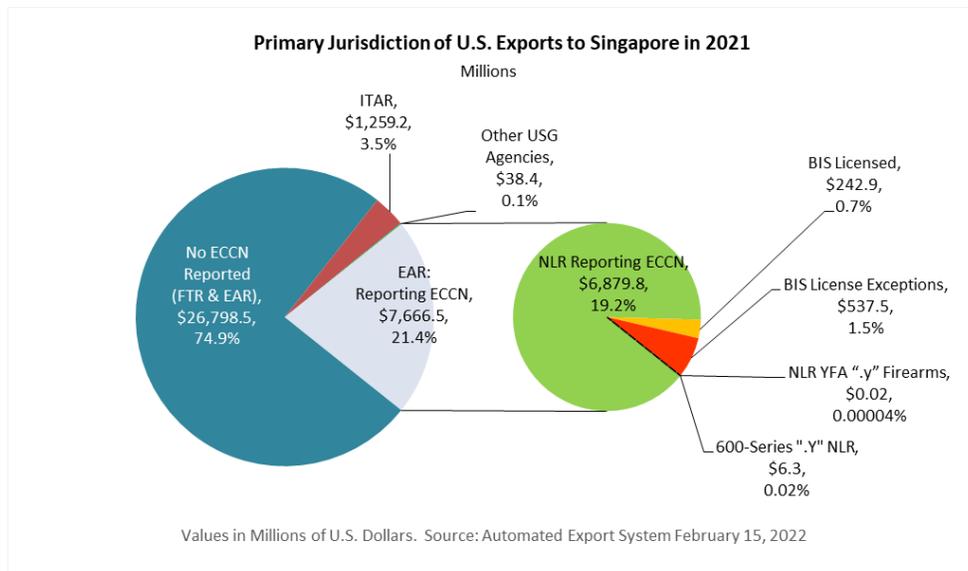
In 2021, of the \$35.8 billion in U.S. exports to Singapore:

- 2.2% were subject to a BIS license requirement:
 - 0.7% were exported under a BIS license; Worldwide, 0.4% were exported under a BIS license.
 - 1.5% were exported under a BIS license exception; Worldwide, 0.8% were exported under a BIS license exception.
- 19.3% were exported under No License Required (NLR);
 - 19.2% were exported under NLR reporting an ECCN; Worldwide, 10.0% were exported under NLR reporting an ECCN.
 - 0.02% were exported under NLR for 600-series .y subparagraph items; Worldwide, 0.02% were exported under NLR for 600-series .y subparagraph items.
 - 0.00004% were exported under NLR for 0A501 .y subparagraph Firearms items; Worldwide, 0.001% were exported under NLR for 0A501 .y subparagraph Firearms items.

Singapore			
	2019	2020	2021
Department of State	\$563.6	\$559.4	\$1,259.2
Other USG Agencies	\$66.9	\$36.4	\$38.4
Department of Commerce	\$30,563.1	\$26,333.4	\$34,465.0
BIS Licensed	\$228.6	\$255.1	\$242.9
BIS License Exceptions	\$747.8	\$552.5	\$537.5
NLR reporting an ECCN	\$8,369.0	\$6,267.2	\$6,879.8
NLR not reporting an ECCN	\$21,206.3	\$19,246.0	\$26,798.5
NLR 600-Series ".y" subparagraph	\$11.5	\$12.6	\$6.3
NLR YFA ".y" subparagraph Firearms	\$0.0000	\$0.0389	\$0.02

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

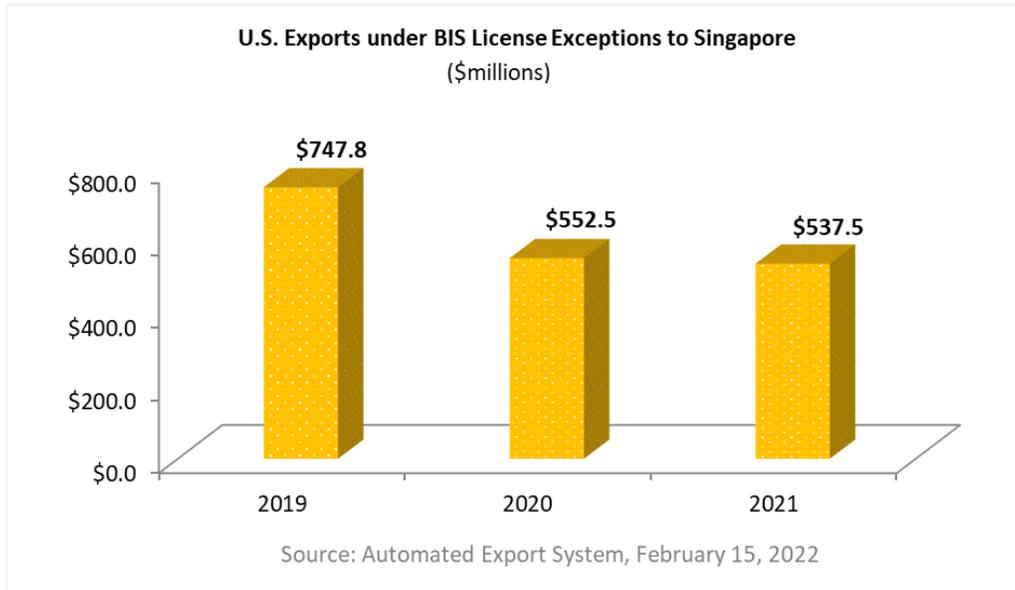
Reasons for Control	Chemical and Biological Weapons			Nuclear Nonproliferation		National Security		Missile Tech	Regional Stability		Firearms Convention			Crime Control			Anti-Terrorism	
	CB:1	CB:2	CB:3	NP:1	NP:2	NS:1	NS:2	MT:1	RS:1	RS:2	FC:1	CC:1	CC:2	CC:3	AT:1	AT:2		
Singapore	X	X		X		X	X	X	X	X		X		X				



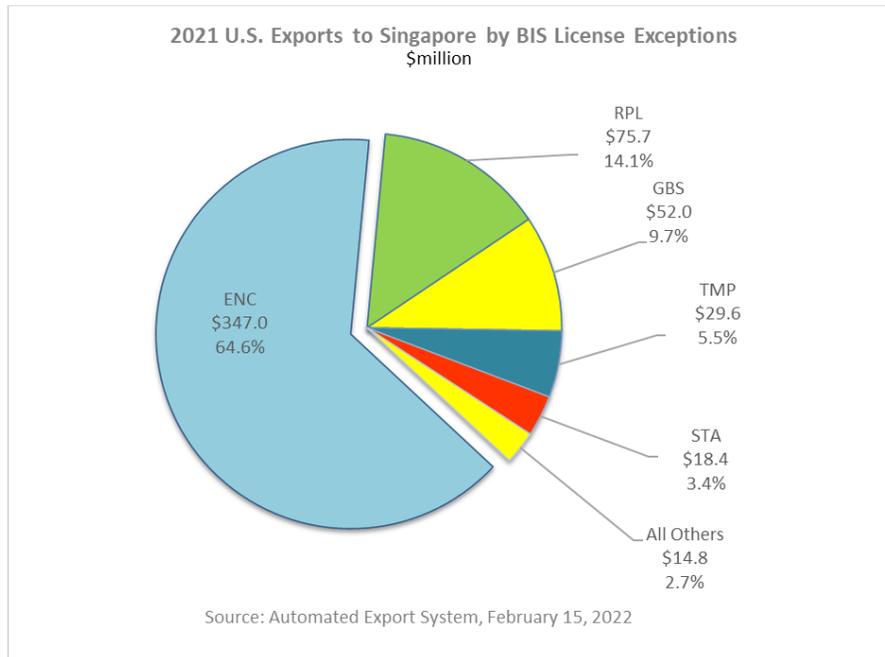


U.S. Exports to Singapore subject to U.S. Government Export Control

In 2021, U.S. exports to Singapore shipped under a BIS license exception totaled \$537.5 million, a 2.7% (\$15.0 million) decrease from 2020.

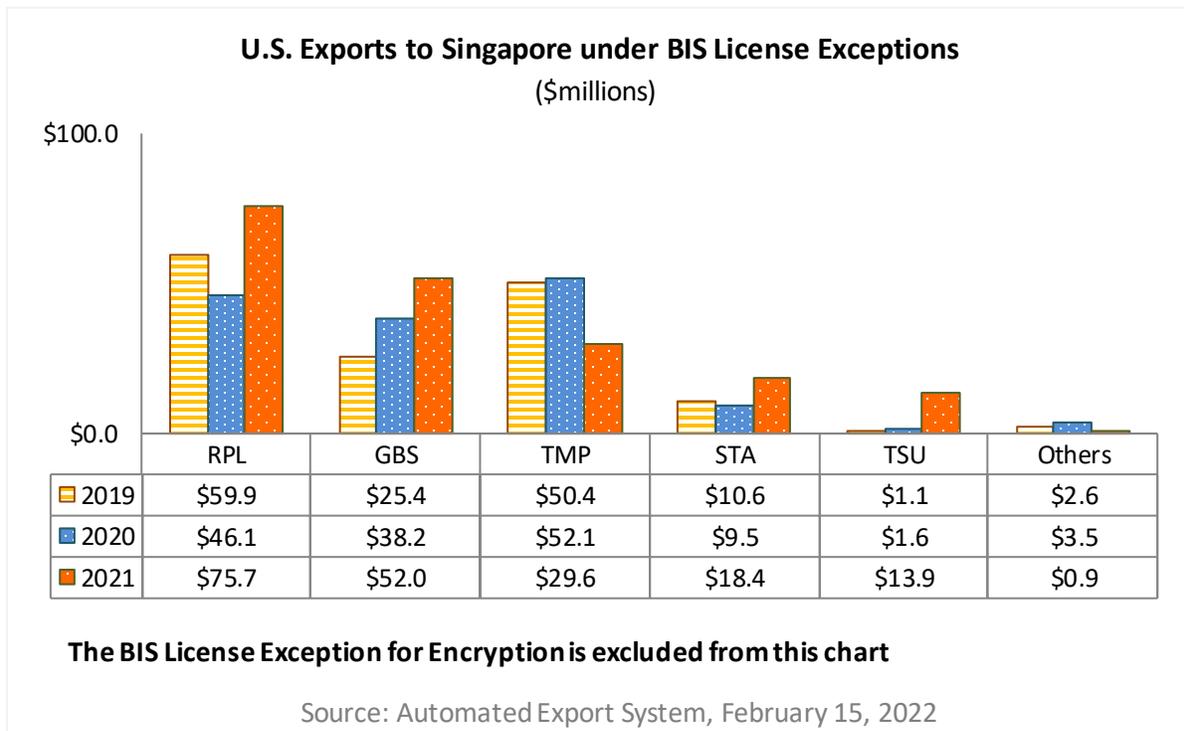
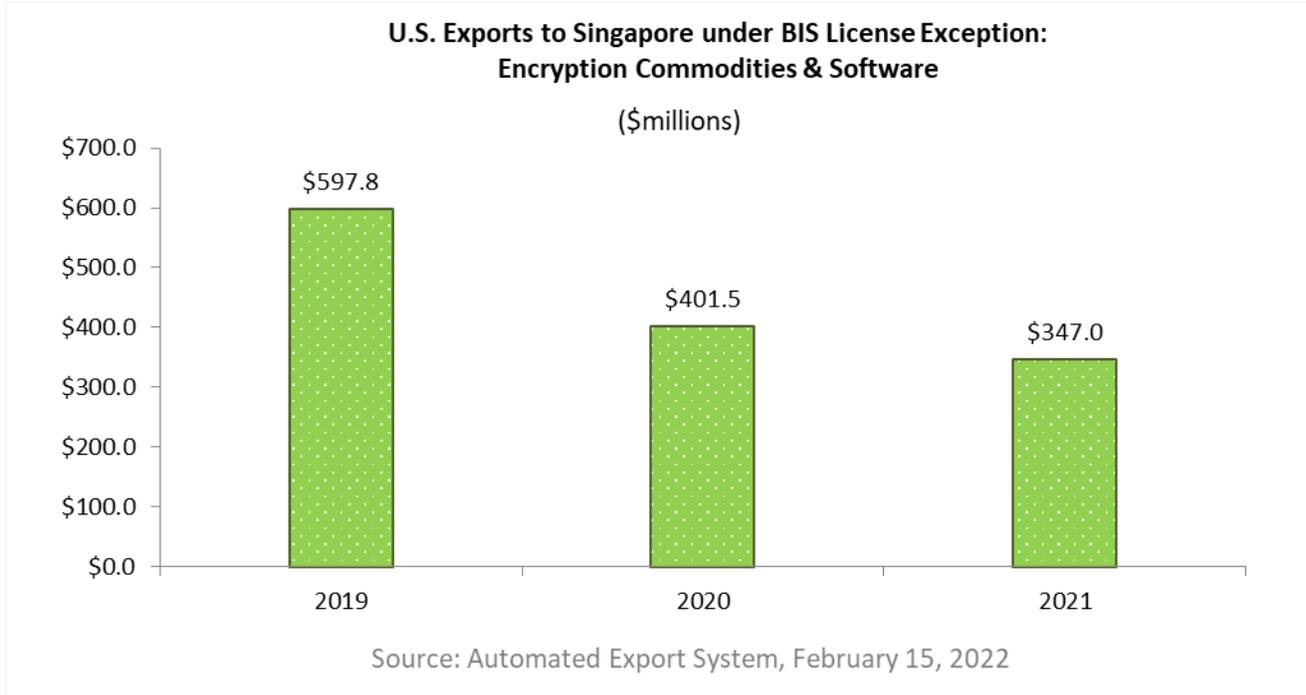


In 2021, the top license exception Encryption Commodities & Software (ENC) totaled \$347.0 million (64.6% of all license exceptions), followed by Servicing & Replacement of Parts & Equipment (RPL) at \$75.7 million (14.1%), and Country Group B Shipments (GBS) at \$52.0 million (9.7%).





U.S. Exports to Singapore subject to U.S. Government Export Control





US Exports to Singapore by Top Ten Export Control Classification Numbers (ECCN)

Top Ten ECCNs by Value to Singapore (\$millions)		
LICENSED	#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	2B350 Chemical manufacturing facilities and equipment, except valves control
	#4	3A233 Mass spectrometers, capable of measuring ions of 230 atomic mass units
	#5	2B230 All types of "pressure transducers" capable of measuring absolute pres
	#6	3A611 Military electronics, as follows (see List of Items Controlled).
	#7	1C230 Beryllium metal, alloys containing more than 50% beryllium by weight,
	#8	6A001 Acoustic systems, equipment and "components," as follows (see List of
	#9	2B352 Equipment Capable of Use in Handling Biological Materials, as Follows
	#10	2B001 Machine tools and any combination thereof, for removing (or cutting) m

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

Top Ten ECCNs by Value to Singapore (\$millions)		
EXCEPTIONS	#1	5A002 "Information security" systems, equipment and "components," as follows
	#2	EAR99 Items subject to the EAR that are not elsewhere specified in this CCL
	#3	3A001 Electronic items as follows (see List of Items Controlled).
	#4	2B350 Chemical manufacturing facilities and equipment, except valves control
	#5	9A619 Military gas turbine engines and related commodities (see List of Item
	#6	5A992 Equipment not controlled by 5A002 (see List of Items Controlled).
	#7	3B001 Equipment for the manufacturing of semiconductor devices or materials,
	#8	6A005 "Lasers," "components" and optical equipment, as follows (see List of
	#9	1C008 Non-fluorinated polymeric substances as follows (see List of Items Con
	#10	9A610 Military Aircraft and Related Commodities, Other Than Those Enumerated

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

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



US Exports to Singapore by Top Ten Export Control Classification Numbers (ECCN)

Top Ten ECCNs to Singapore by Shipment Count		
LICENSED	#1	2B230 All types of "pressure transducers" capable of measuring absolute pres
	#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	2B350 Chemical manufacturing facilities and equipment, except valves control
	#5	3A233 Mass spectrometers, capable of measuring ions of 230 atomic mass units
	#6	1C230 Beryllium metal, alloys containing more than 50% beryllium by weight,
	#7	5A002 "Information security" systems, equipment and "components," as follows
	#8	7A103 Instrumentation, navigation equipment and systems, other than those co
	#9	7A002 Gyros or Angular Rate Sensors, Having any of the Following, and "Speci
	#10	3A611 Military electronics, 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 Singapore by Shipment Count		
EXCEPTIONS	#1	5A002 "Information security" systems, equipment and "components," as follows
	#2	EAR99 Items subject to the EAR that are not elsewhere specified in this CCL
	#3	3A001 Electronic items as follows (see List of Items Controlled).
	#4	5D002 "Software" as follows (see List of Items Controlled).
	#5	9A619 Military gas turbine engines and related commodities (see List of Item
	#6	9A610 Military Aircraft and Related Commodities, Other Than Those Enumerated
	#7	9A991 "Aircraft," n.e.s., and gas turbine engines not controlled by 9A001 or
	#8	2B230 All types of "pressure transducers" capable of measuring absolute pres
	#9	6A005 "Lasers," "components" and optical equipment, as follows (see List of
	#10	1C008 Non-fluorinated polymeric substances as follows (see List of Items Con

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

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

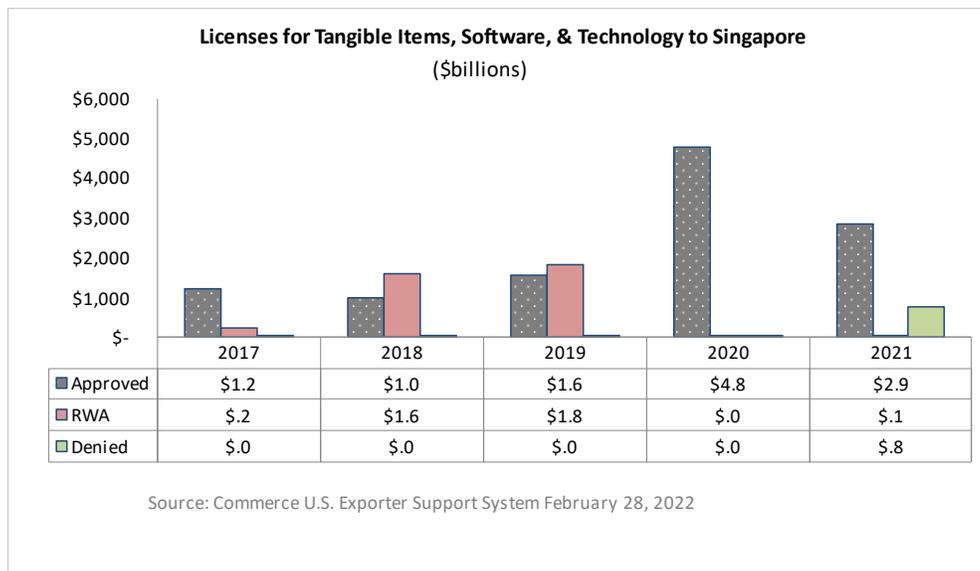
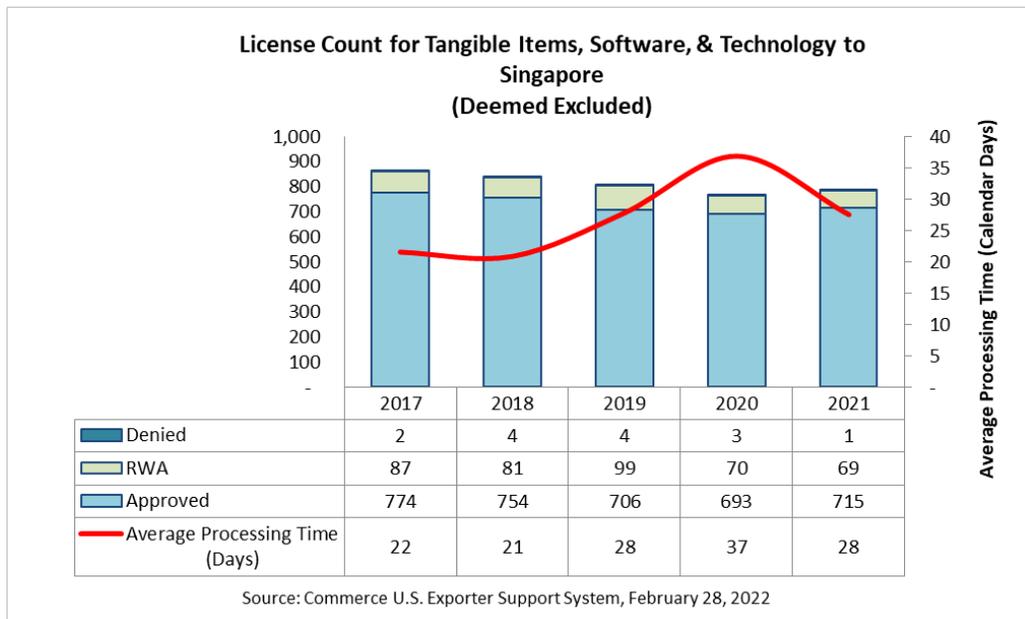
Note: ECCN descriptions have been truncated: please review Commerce Control List for full description



III. BIS Licensing to Singapore

In 2021, BIS reviewed 785 export/re-export applications (not including deemed export applications) valued at \$3.7 billion for Singapore, out of a total of 39,901 applications worldwide for tangible items, software and technology valued at \$1.4 trillion.

- Approved applications for Singapore totaled 715 (91.1% of the total applications) valued at \$2.9 billion, compared to 34,369 (86.1%) approved for all destinations valued at \$322.8 billion.





In 2021, BIS reviewed 2 applications for Deemed Exports from Singaporean nationals out of 942 applications worldwide for deemed exports. Two applications (100%) were approved compared to the 821 (87.2%) approved applications for all destinations.

In the last five years, there were no denials for Deemed Export applications from Brazilian nationals.

Deemed Export Licenses for Nationals of Singapore						
2017 - 2021						
Year	Approved	RWA	Denied	Singapore Total	World Total	Singapore Total/World Total
2017	6	2	0	8	1,510	0.5%
2018	4	0	0	4	967	0.4%
2019	3	0	0	3	1,302	0.2%
2020	8	2	0	10	1,212	0.8%
2021	2	0	0	2	942	0.2%

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

The top approved ECCNs with deemed are 9A610 for Military aircraft and related commodities with 143 approvals; 2B350 for Chemical manufacturing facilities and equipment, except valves control with 104 approvals, and 2B230 for All types of “pressure transducers” capable of measuring absolute pressure with 33 approvals.

Top Ten Approved (with deemed) ECCNs to Singapore by Count		2017	2018	2019	2020	2021	% of World Total 2021
APPROVED	#1 9A610 Military Aircraft and Related Commodities, Other Than Those Enumerated	135	134	150	121	143	2.7%
	#2 2B350 Chemical manufacturing facilities and equipment, except valves control	125	128	89	89	104	4.7%
	#3 2B230 All types of “pressure transducers” capable of measuring absolute pressure	37	49	41	53	33	10.9%
	#4 6A003 Cameras, Systems or Equipment, and “Components” Thereof, as Follows	17	22	22	26	29	2.4%
	#5 1C351 Human and animal pathogens and “toxins,” as follows (see List of Items Controlled)	27	35	20	28	28	2.6%
	#6 3A611 Military electronics, as follows (see List of Items Controlled)	47	34	20	25	26	1.2%
	#7 9A619 Military gas turbine engines and related commodities (see List of Items Controlled)	22	28	26	25	21	2.0%
	#8 3A001 Electronic items as follows (see List of Items Controlled)	16	17	24	28	21	1.7%
	#9 3A233 Mass spectrometers, capable of measuring ions of 230 atomic mass unit	16	18	13	15	19	4.9%
	#10 1C350 Chemicals that may be used as precursors for toxic chemical agents (see List of Items Controlled)	14	15	16	10	19	9.3%

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

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

In 2021, there was one denied license application for Singapore.

Denied (with deemed) ECCNs to Singapore by Count		2021	% of World Total 2021
Denied	#1 3E991 “Technology” for the “development,” “production” or “use” of electronic equipment	1	2.9%
	#2 3E001 “Technology” according to the General Technology Note for the “development” or “production” of electronic equipment	1	14.3%
	#3 3B001 Equipment for the manufacturing of semiconductor devices or materials, except as provided in 3B001.1	1	16.7%
	#4 3B991 Equipment not controlled by 3B001 for the manufacture of electronic products	1	10.0%

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

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

In 2021, the average processing time for Singapore is 28 calendar days.



Summary of U.S. Exports to Singapore

Summary of U.S. Exports to Singapore Calendar Year 2021				
	CY2021	CY2020	% of Total Exports	Percentage Change from previous year
Total Exports	\$35,762,643,466	\$26,929,229,828		32.8%
Total Subject to ITAR	\$1,259,226,319	\$559,434,356	3.5%	125.1%
Subject to Other Gov. Agencies	\$38,402,269	\$36,356,806	0.1%	5.6%
Detailed Summary of EAR-Controlled Exports				
AES License Type	Description	Value	Percentage of Total	Percentage Description
C30	Licenses	\$242,889,473	99.9%	
VDC	Voluntary Disclosure	\$149,208	0.1%	
Total of Licensed		\$243,038,681	0.7%	Total Licensed/Total Exports
C35	LVS	\$63,953	0.01%	
C36	GBS	\$51,951,821	9.7%	
C38	TSR	\$3,080	0.0006%	
C40	TMP	\$29,648,097	5.5%	
C41	RPL	\$75,723,384	14.1%	
C42	GOV	\$233,504	0.04%	
C43	GFT	\$7,240	0.001%	
C44	TSU	\$13,857,820	2.6%	
C45	BAG	\$12,172	0.002%	
C46	AVS	\$531,776	0.1%	
C50	ENC	\$346,969,121	64.6%	
C53	APP	\$67,353	0.01%	
C59	STA	\$18,408,911	3.4%	
Total of License Exceptions		\$537,478,232	1.5%	Total License Exceptions/Total Exports
			68.9%	Total License Exceptions/Total Subject to License Requirement
Total subject to license requirement (Licensed and License Exceptions)		\$780,516,913	2.2%	Total Subject to License Requirement/Total Exports
C33	NLR reporting an ECCN	\$6,879,778,841	19.2%	NLR reporting an ECCN/ Total Exports
C60	NLR for 600-Series ".y" subparagraph	\$6,334,181	0.02%	NLR for 600-Series ".y" subparagraph/ Total Exports
C63	NLR for 0A501 .y subparagraph Firearms	\$16,007	0.00004%	NLR for 0A501 .y subparagraph firearms/ Total Exports
Total of NLR		\$6,886,129,029	19.3%	Total NLR with an ECCN/ Total Exports
Exports not reporting an ECCN		\$26,798,368,936	74.9%	

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