



Office of Technology Evaluation

# FOR PUBLIC RELEASE

## Analysis of U.S. Trade with Taiwan, 2022

### Summary

#### Imports and exports reported by U.S. Census Bureau<sup>1</sup>

In 2022, both U.S. exports to Taiwan and imports from Taiwan continued to grow for a third year in a row. U.S. exports totaled \$44.2 billion, an increase of 20.1% (\$7.4 billion), and U.S. imports totaled \$91.7 billion, an increase of 19.1% (\$14.7 billion). The trade deficit was \$47.5 billion, increasing 18.1% (\$7.3 billion) from 2021.

In 2022, 2.1% of total U.S. global exports of \$2.1 trillion were exported to Taiwan and 2.8% of total U.S. imports of \$3.2 trillion from all countries were imported from Taiwan.

In 2022, \$16.6 billion of U.S. exports of Machinery & Mechanical Appliances to Taiwan represented 3.9% of U.S. global exports of those commodities.

In 2022, \$57.2 billion of U.S. imports of Machinery and Mechanical Appliances from Taiwan constituted 6.2% of the total U.S. imports of those commodities.

#### BIS export data<sup>2</sup>

In 2022, U.S. exports to Taiwan made under a BIS license exception totaled \$748.7 million, an increase of 62.6% from \$460.6 million in 2021.

In 2022, the top license exception, Encryption Commodities and Software (ENC), totaled at \$459.6 million (61.4% of all license exceptions for Taiwan), followed by Country Group B Shipments (GBS), totaled at \$224.4 million (30.0%), and Strategic Trade Authorization (STA), totaled at \$32.4 million (4.3%).

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<sup>1</sup> 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>.

<sup>2</sup> 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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# Analysis of U.S. Trade with Taiwan, 2022

### BIS licensing data<sup>3</sup>

In 2022, the number of export license applications for Taiwan, excluding applications for deemed exports and reexports, amounted to 3.8% of total applications worldwide.

In 2022, for applications involving commodities, software, and technology (excluding deemed exports and reexports of technology and source code to Taiwanese nationals in the U.S. or in a third country), BIS reviewed 1,482 export/re-export license applications valued at \$4.3 billion for Taiwan, compared to 39,045 applications worldwide valued at \$335.9 billion. BIS denied one license application. BIS approved 1,350 applications valued at \$3.6 billion with an approval rate of 91.1%, compared to 34,068 approvals worldwide and valued at \$226.1 billion with an approval rate of 87.3%.

In 2022, BIS reviewed 6 applications for deemed exports or reexports involving Taiwanese nationals, representing 0.4% of total deemed export or reexport applications worldwide. BIS approved 6 of these applications (an approval rate of 100%).

In 2022, the top approved ECCNs on licenses for Taiwan were 9A610 for Military Aircraft and Related Commodities with 325 approvals, followed by 2B350 for Chemical Manufacturing Facilities and Equipment, except Valve Controls with 204 approvals, and 9A619 for Military Gas Turbine Engines and Related Commodities with 80 approvals.

In 2022, the average processing time for applications involving Taiwan was 24 calendar days.

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<sup>3</sup> 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.

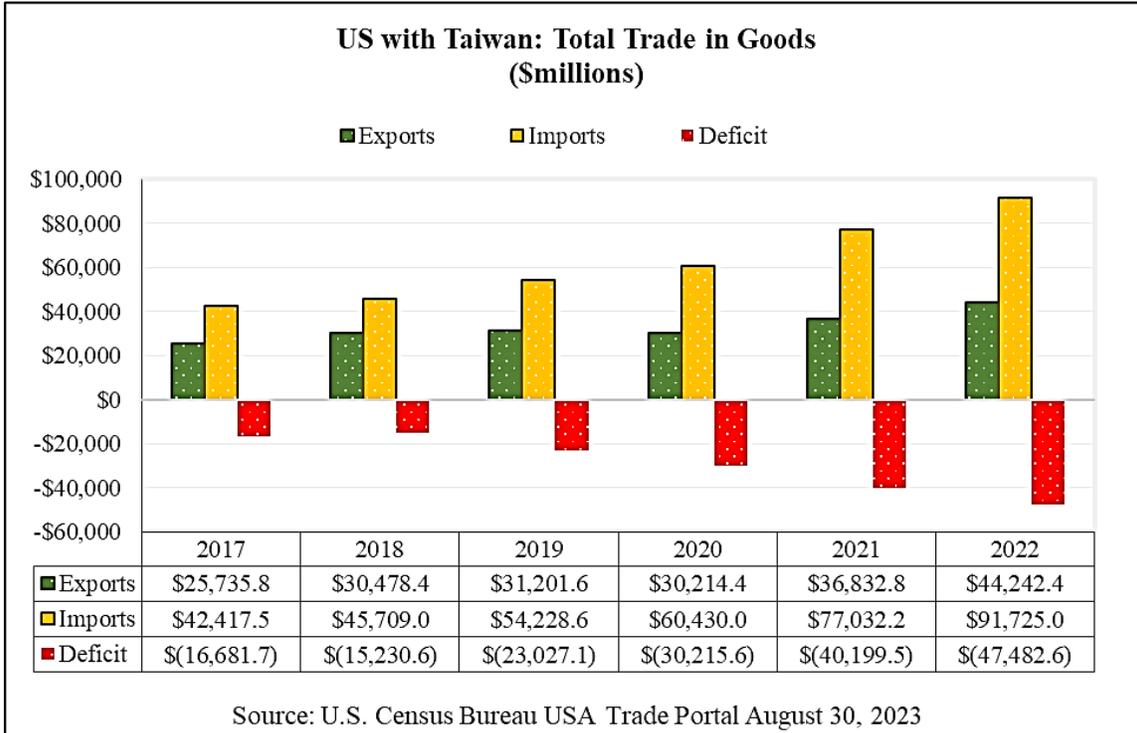


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## Analysis of U.S. Trade with Taiwan, 2022

### I. Total U.S. trade in goods with Taiwan<sup>4</sup>

In 2022, both U.S. exports to Taiwan and imports from Taiwan continued to grow for a third year in a row. U.S. exports totaled \$44.2 billion, an increase of 20.1% (\$7.4 billion), and U.S. imports totaled \$91.7 billion, an increase of 19.1% (\$14.7 billion). The trade deficit was \$47.5 billion, increasing 18.1% (\$7.3 billion) from 2021.



In 2022, the level of U.S. exports to Taiwan and U.S. imports from Taiwan in goods, merchandise, and commodities as well as the trade deficit with Taiwan all exceeded the prior five-year average level by value (not adjusted for inflation).

	2017	2018	2019	2020	2021	2022	2017-2021 Average
<b>EXPORTS</b>	\$25,735.8	\$30,478.4	\$31,201.6	\$30,214.4	\$36,832.8	\$44,242.4	\$30,892.6
Δvalue	--	\$4,742.6	\$723.1	-\$987.2	\$6,618.4	\$7,409.7	
Δpct	--	18.4%	2.4%	-3.2%	21.9%	20.1%	
<b>IMPORTS</b>	\$42,417.5	\$45,709.0	\$54,228.6	\$60,430.0	\$77,032.2	\$91,725.0	\$55,963.5
Δvalue	--	\$3,291.5	\$8,519.6	\$6,201.3	\$16,602.3	\$14,692.8	
Δpct	--	7.8%	18.6%	11.4%	27.5%	19.1%	
<b>BALANCE</b>	\$(16,681.7)	\$(15,230.6)	\$(23,027.1)	\$(30,215.6)	\$(40,199.5)	\$(47,482.6)	\$(25,070.9)
Δvalue	--	\$1,451.1	(\$7,796.5)	(\$7,188.5)	(\$9,983.9)	(\$7,283.2)	
Δpct	--	-8.7%	51.2%	31.2%	33.0%	18.1%	

Values in Millions of U.S. Dollars. Source: U.S. Census Bureau USA Trade Portal August 30, 2023

<sup>4</sup> 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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## Analysis of U.S. Trade with Taiwan, 2022

In 2022, of \$44.2 billion in U.S. exports to Taiwan, the top commodity sectors were Machinery and Mechanical Appliances (37.5% of the total exports to the country), Oils, Minerals, Lime, and Cement (18.0% of such total), and Chemicals, Plastics, Rubber, and Leather Goods (11.9% of such total).

In 2022, of \$91.7 billion in U.S. imports from Taiwan, the top commodity sectors were Machinery and Mechanical Appliances (62.3% of the total U.S imports from the country), Base Metals, Iron, Steel, and Tools (10.8% of such total) and Chemicals, Plastics, Rubber, and Leather Goods (7.3% of such total).

Imports from Taiwan By Sector	Taiwan Commodity Trade 2022	US Exports to Taiwan by Sector
\$91,725,030,250	Total Value All Commodities	\$44,242,404,252
1.1%	Agriculture Products (Chapters 01-24)	9.5%
0.7%	Oils, Minerals, Lime, Cement (Chapters 25-27)	18.0%
7.3%	Chemicals, Plastics, Rubber, Leather Goods (Chapters 28-43)	11.9%
0.4%	Wood, Cork, Paper, Printed Books (Chapters 44-49)	1.1%
1.2%	Textiles, Footwear, Headgear (Chapters 50-67)	0.4%
0.9%	Stone, Glass, Metals, Pearls (Chapters 68-71)	1.9%
10.8%	Base Metals, Iron, Steel, Tools (Chapters 72-83)	2.8%
62.3%	Machinery & Mechanical Appliances (Chapters 84-85)	37.5%
5.3%	Transportation Equipment (Chapters 86-89)	6.9%
3.0%	Optical, Measuring, Medical, Other Instruments (Chapters 90-92)	6.8%
0.2%	Arms & Ammunition (Chapter 93)	0.3%
4.0%	Miscellaneous Manufactured Items (Chapters 94-96)	0.2%
0.0%	Art, Collectors' Pieces, Antiques (Chapter 97)	0.3%
1.9%	Special Classification Items (Chapter 98)	2.3%
0.9%	Temporary Legislation (Chapter 99)	0.0%

Source: U.S. Census Bureau USA Trade Portal August 30, 2023

In 2022, 2.1% of total U.S. global exports of \$2.1 trillion were exported to Taiwan and 2.8% of total U.S. imports of \$3.2 trillion from all countries were imported from Taiwan.

### Exports

In 2022, \$16.6 billion of U.S. exports of Machinery & Mechanical Appliances to Taiwan represented 3.9% of U.S. global exports of those commodities. Additionally, \$147.4 million of exports of Arms and Ammunition represented 3.0%, and \$3.0 billion of Optical, Measuring, Medical, and Other Instruments represented 3.0% of U.S. global exports of those commodities.

### Imports

In 2022, \$57.2 billion of U.S. imports of Machinery and Mechanical Appliances from Taiwan constituted 6.2% of the total U.S. imports of those commodities. Additionally, \$9.9 billion of imports of Base Metals, Iron, Steel, and Tools represented 5.1%, and the \$199.2 million of imports of Arms and Ammunition represented 4.3% of the global U.S. imports of those commodities.



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### II. U.S. Exports to Taiwan Subject to BIS Export Controls<sup>5</sup>

In 2022, of the \$44.2 billion<sup>6</sup> in U.S. exports to Taiwan:

- \$591.7 million, or 1.3% of the total value, were exported under a BIS license;
- \$748.7 million, or 1.7% of the total value, were exported under a BIS license exception;
- \$10.2 billion, or 23.0%, were exported under No License Required (NLR) reporting an ECCN<sup>7</sup>;
- \$4.6 million, or 0.01%, were exported under NLR for 600-series .y subparagraph items<sup>8</sup>;
- \$0.06 million, or 0.0001%, were exported under NLR for 0A501 .y subparagraph Firearms items.<sup>9</sup>

For comparison, globally:

- 0.4% of U.S. exports by dollar value were exported under a BIS license;
- 0.8% were exported under a BIS license exception;
- 9.6% of exports were exported under NLR reporting an ECCN;
- 0.02% of exports were exported under NLR for 600-series .y subparagraph items;
- 0.001% of exports were exported under NLR for 0A501 .y subparagraph Firearms items.

<b>Taiwan</b>			
	<b>2020</b>	<b>2021</b>	<b>2022</b>
Licensed by BIS	\$414.7	\$475.8	\$591.7
BIS License Exceptions	\$387.2	\$460.6	\$748.7
NLR reporting an ECCN [8]	\$7,093.9	\$9,421.6	\$10,197.2
NLR DY6 600-Series .y subparagraph [9]	\$3.5	\$3.3	\$4.6
NLR YFA 0A501 .y subparagraph firearms [10]	\$0.1	\$0.1	\$0.1

Values in Millions of U.S. Dollars. Source: Automated Export System February 15, 2023

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
Taiwan, Province of China	X	X	X	X		X	X	X	X	X		X		X		

<sup>5</sup> 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.

<sup>6</sup> 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>.

<sup>7</sup> Line items reported in AES as license type C33 with an ECCN. Excludes items classified as EAR99.

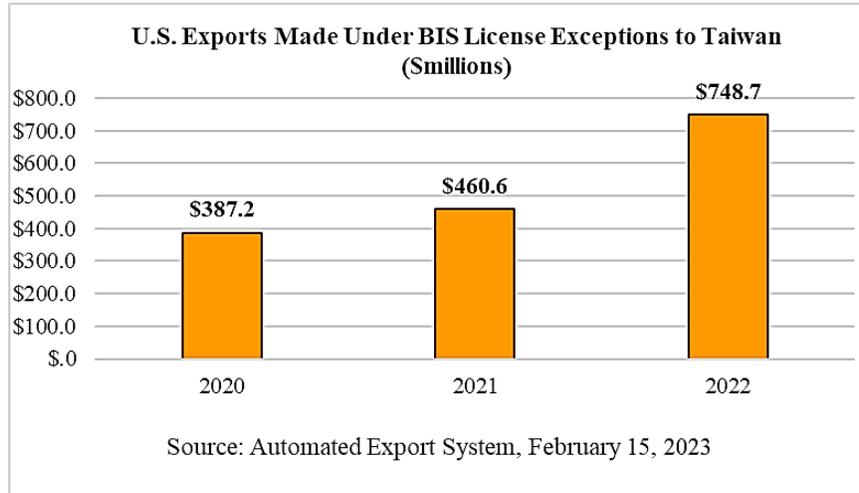
<sup>8</sup> Line items reported in AES as 9x515 subparagraph .y or “600 series”, and shipped under license type C60 and license number DY6.

<sup>9</sup> Line items reported in AES as 0A501 subparagraph .y and shipped under license type code C63, and license number YFA.

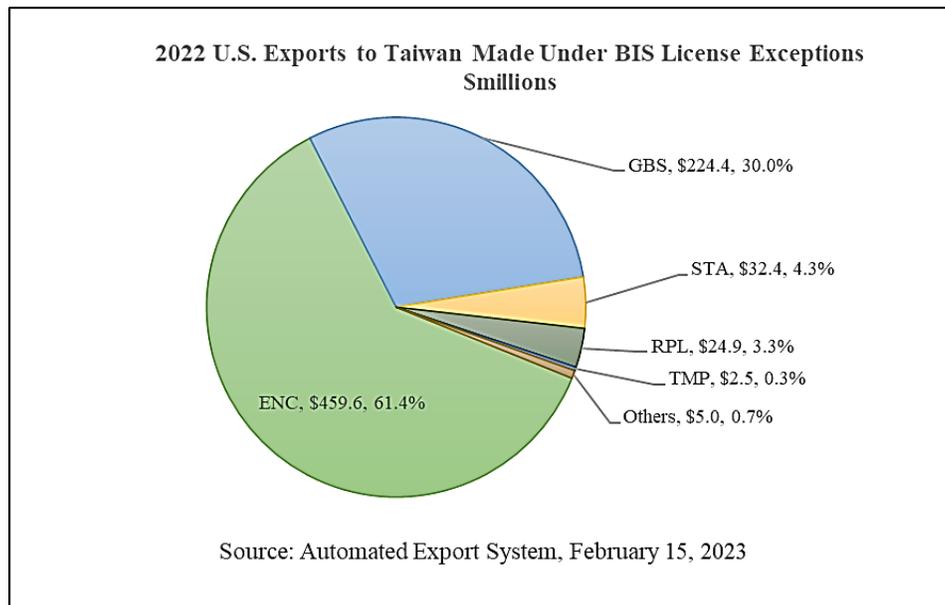


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In 2022, U.S. exports to Taiwan made under a BIS license exception totaled \$748.7 million, an increase of 62.6% from \$460.6 million in 2021.



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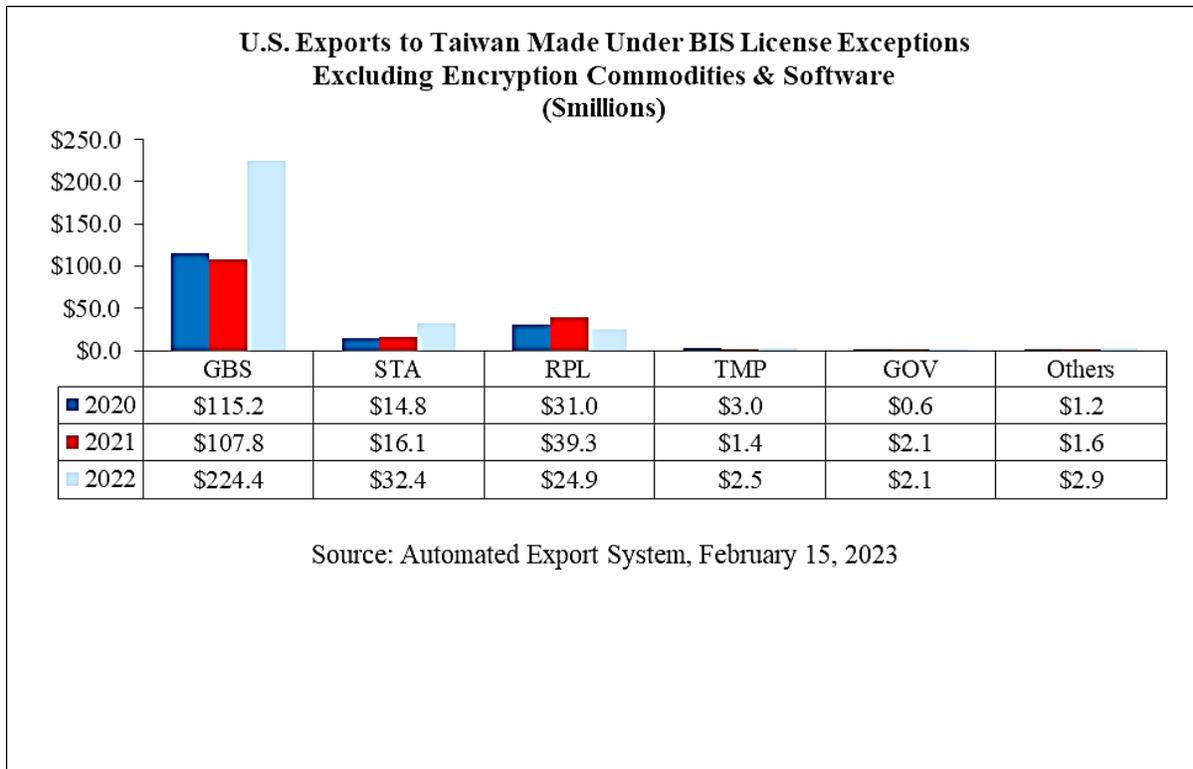
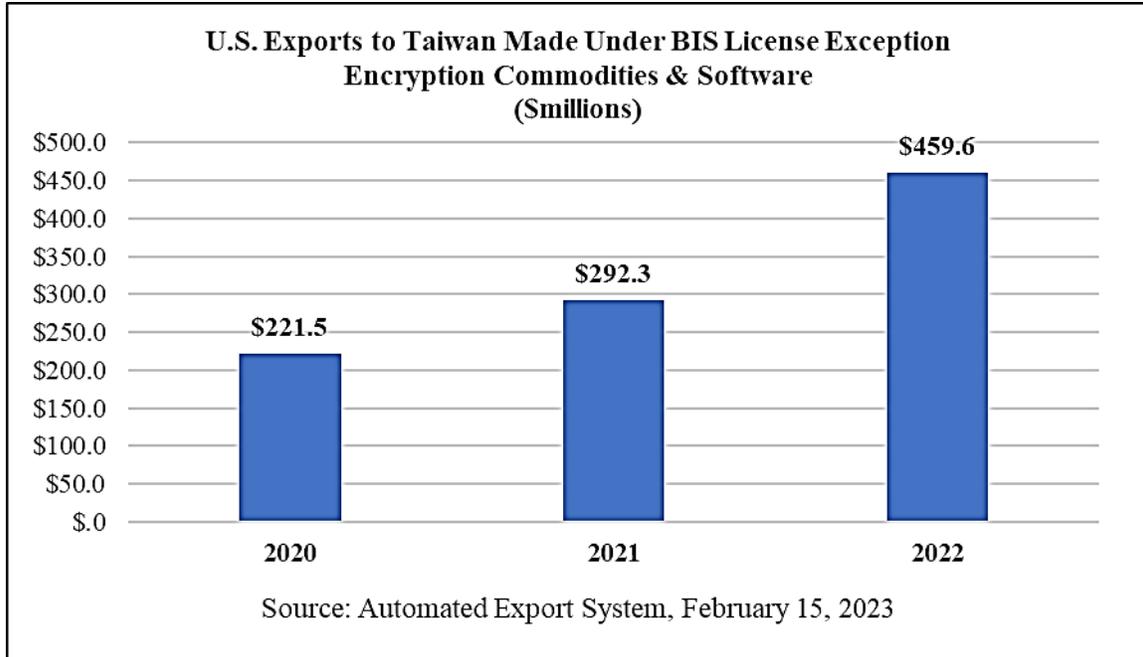


- ENC: Encryption commodities, software, and technology
- GBS: Country Group B Shipments
- STA: Strategic Trade Authorization
- RPL: Servicing and replacement of parts and equipment
- TMP: Temporary imports, exports, reexports, and transfers (in-country)



## FOR PUBLIC RELEASE Analysis of U.S. Trade with Taiwan, 2022

In 2022, U.S. exports to Taiwan shipped under BIS license exception ENC totaled \$459.6 million, a 57.2% increase from \$292.3 million in 2021.





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# Analysis of U.S. Trade with Taiwan, 2022

LICENSED	Top ECCNs Reported on Exports to Taiwan, by aggregate shipment value (\$millions)		
	#1	3B001	Equipment for the manufacturing of semiconductor devices or materials,
	#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	2B230	All types of “pressure transducers” capable of measuring absolute pres
	#6	7A003	Inertial Measurement Equipment or Systems', Having any of the Followi
	#7	9B610	Test, inspection, and production “equipment” and related commodities “
	#8	1C210	“Fibrous or filamentary materials” or prepregs, other than those contr
	#9	9A515	“Spacecraft” and related commodities, as follows (see List of Items Co
	#10	3A233	Mass spectrometers, capable of measuring ions of 230 atomic mass units

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

EXCEPTIONS	Top ECCNs Reported on Exports to Taiwan, by aggregate shipment value (\$millions)		
	#1	5A002	“Information security” systems, equipment and “components,” as follows
	#2	3A001	Electronic items as follows (see List of Items Controlled).
	#3	3A611	Military electronics, as follows (see List of Items Controlled).
	#4	1C006	Fluids and lubricating materials, as follows (see List of Items Contro
	#5	9A610	Military Aircraft and Related Commodities, Other Than Those Enumerated
	#6	3C004	Hydrides of phosphorus, arsenic or antimony, having a purity better th
	#7	EAR99	Items subject to the EAR that are not elsewhere specified in this CCL
	#8	3B001	Equipment for the manufacturing of semiconductor devices or materials,
	#9	9A619	Military gas turbine engines and related commodities (see List of Item
	#10	3C001	Hetero-epitaxial materials consisting of a “substrate” having stacked

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

NLR with ECCN	Top ECCNs Reported on Exports to Taiwan, by aggregate shipment value (\$millions)		
	#1	3B991	Equipment not controlled by 3B001 for the manufacture of electronic “p
	#2	5A991	Telecommunication equipment, not controlled by 5A001 (see List of Item
	#3	3B992	Equipment not controlled by 3B002 for the inspection or testing of ele
	#4	9A991	“Aircraft,” n.e.s., and gas turbine engines not controlled by 9A001 or
	#5	5A992	Equipment not controlled by 5A002 (see List of Items Controlled).
	#6	3A991	Electronic devices, and “components” not controlled by 3A001.
	#7	3B090	Semiconductor manufacturing equipment, not controlled by 3B001, as follows (see List of Items Controlled) and “specially designed” “parts,” “components,” and “accessories” therefor.
	#8	2B999	Specific Processing Equipment, n.e.s., as Follows (See List of Items C
	#9	4A994	Computers, “electronic assemblies” and related equipment not controlle
	#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



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## Analysis of U.S. Trade with Taiwan, 2022

LICENSED	Top ECCNs Reported on Exports to Taiwan, by shipment count [1]		
	#1	2B230	All types of “pressure transducers” capable of measuring absolute pres
	#2	9A610	Military Aircraft and Related Commodities, Other Than Those Enumerated
	#3	2B350	Chemical manufacturing facilities and equipment, except valves control
	#4	9A619	Military gas turbine engines and related commodities (see List of Item
	#5	3B001	Equipment for the manufacturing of semiconductor devices or materials,
	#6	5A002	“Information security” systems, equipment and “components,” as follows
	#7	0A504	Optical sighting devices for firearms (including shotguns controlled b
	#8	3A611	Military electronics, as follows (see List of Items Controlled).
	#9	3A001	Electronic items as follows (see List of Items Controlled).
	#10	1C350	Chemicals that may be used as precursors for toxic chemical agents (se

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

EXCEPTIONS	Top ECCNs Reported on Exports to Taiwan, by shipment count [1]		
	#1	5A002	“Information security” systems, equipment and “components,” as follows
	#2	3A001	Electronic items as follows (see List of Items Controlled).
	#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	1C006	Fluids and lubricating materials, as follows (see List of Items Contro
	#6	9A619	Military gas turbine engines and related commodities (see List of Item
	#7	3C004	Hydrides of phosphorus, arsenic or antimony, having a purity better th
	#8	4A003	“Digital computers”, “electronic assemblies”, and related equipment th
	#9	3B001	Equipment for the manufacturing of semiconductor devices or materials,
	#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

NLR with ECCN	Top ECCNs Reported on Exports to Taiwan, by shipment count [1]		
	#1	3B991	Equipment not controlled by 3B001 for the manufacture of electronic “p
	#2	5A991	Telecommunication equipment, not controlled by 5A001 (see List of Item
	#3	9A991	“Aircraft,” n.e.s., and gas turbine engines not controlled by 9A001 or
	#4	5A992	Equipment not controlled by 5A002 (see List of Items Controlled).
	#5	3B992	Equipment not controlled by 3B002 for the inspection or testing of ele
	#6	2B999	Specific Processing Equipment, n.e.s., as Follows (See List of Items C
	#7	3A991	Electronic devices, and “components” not controlled by 3A001.
	#8	4A994	Computers, “electronic assemblies” and related equipment not controle
	#9	2A999	Specific Processing Equipment, n.e.s., as Follows (See List of Items C
	#10	3A992	General purpose electronic equipment not controlled by 3A002.

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

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



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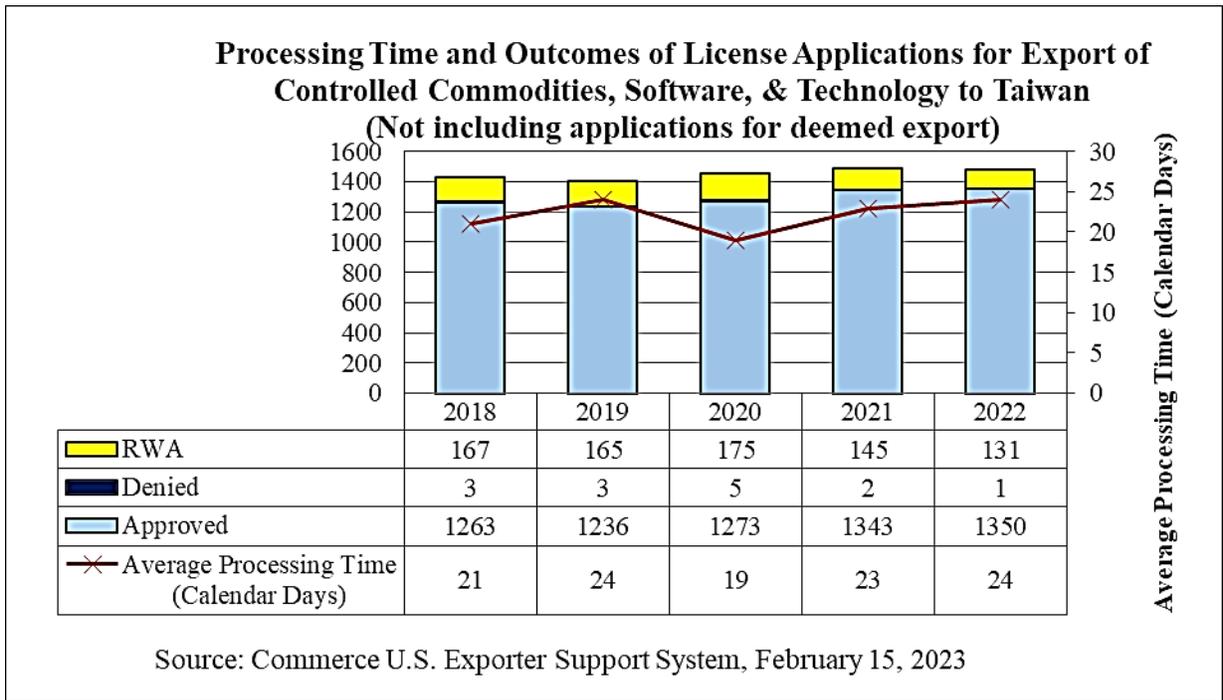
## Analysis of U.S. Trade with Taiwan, 2022

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### III. BIS Licensing Involving Taiwan<sup>10</sup>

In 2022, the number of export license applications for Taiwan, excluding applications for deemed exports and reexports, amounted to 3.8% of total applications worldwide.

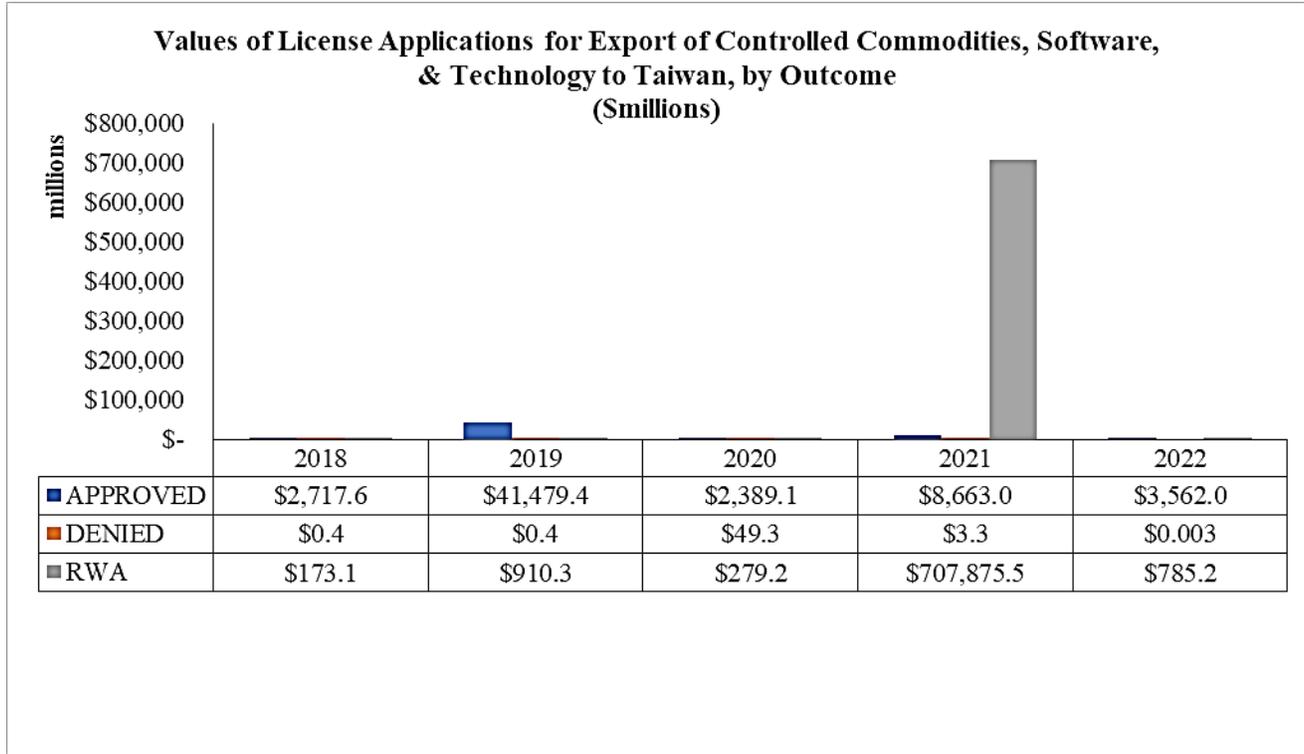
In 2022, for applications involving commodities, software, and technology (excluding deemed exports and reexports of technology and source code to Taiwanese nationals in the U.S. or in a third country), BIS reviewed 1,482 export/re-export license applications valued at \$4.3 billion for Taiwan, compared to 39,045 applications worldwide valued at \$335.9 billion. BIS denied one license application. BIS approved 1,350 applications valued at \$3.6 billion with an approval rate of 91.1%, compared to 34,068 approvals worldwide and valued at \$226.1 billion with an approval rate of 87.3%.



<sup>10</sup> 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.



## FOR PUBLIC RELEASE Analysis of U.S. Trade with Taiwan, 2022



In 2022, BIS reviewed 6 applications for deemed exports or reexports involving Taiwanese nationals, representing 0.4% of total deemed export or reexport applications worldwide. BIS approved 6 of these applications (an approval rate of 100%).

In the last five years, there were no denials for applications for deemed exports or reexports involving Taiwanese nationals.

Count of License Applications for Deemed Export, By Outcome, For Nationals of Taiwan						
2018-2022						
Year	APPROVED	DENIED	RWA	Taiwan Total	Worldwide Total	Taiwan Total/World Total
2018	7	0	0	7	969	0.7%
2019	1	0	0	1	1,308	0.1%
2020	7	0	0	7	1,207	0.6%
2021	4	0	1	5	924	0.5%
2022	6	0	0	6	1,457	0.4%



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In 2022, the top approved ECCNs on licenses for Taiwan were 9A610 for Military Aircraft and Related Commodities with 325 approvals, followed by 2B350 for Chemical Manufacturing Facilities and Equipment, except valve controls with 204 approvals, and 9A619 for Military Gas Turbine Engines and Related Commodities with 80 approvals.

Top ECCNs Approved for Export to Taiwan, by Number of Licenses		2018	2019	2020	2021	2022	% of worldwide total
<b>APPROVED</b>	#1 <b>9A610</b> Military Aircraft and Related Commodities, Other Than Those Enumerated	276	281	277	296	325	6.5%
	#2 <b>2B350</b> Chemical manufacturing facilities and equipment, except valves control	230	208	201	214	204	10.1%
	#3 <b>9A619</b> Military gas turbine engines and related commodities (see List of Item	79	78	64	55	80	7.6%
	#4 <b>9E610</b> Technology “required” for the “development,” “production,” operation,	53	44	46	41	79	5.5%
	#5 <b>2B230</b> All types of “pressure transducers” capable of measuring absolute pres	113	97	58	53	76	21.7%

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

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

ECCNs on Denied License Applications for Export to Taiwan		2022	% of World Total
<b>Denied</b>	#1 <b>3A611</b> Military electronics, as follows (see List of Items Controlled).	1	33.3%

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

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

In 2022, the average processing time for applications involving Taiwan was 24 calendar days.



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## Analysis of U.S. Trade with Taiwan, 2022

Summary of U.S. Exports to Taiwan Calendar Year 2022				
	2021	2022	% change	% of total exports 2022
<b>Total Exports [1]</b>	\$ 36,832,750,434	\$ 44,242,404,252	20.1%	
<b>EAR Controlled Exports [2]</b>				
	2021	2022	% change	% of total exports 2022
C30 - Licenses	\$ 474,882,547	\$ 591,645,302	24.6%	1.3%
<b>License Exceptions [2]</b>				
	2021	2022	% of total license exceptions 2022	% of total exports 2022
C50 - ENC	\$ 292,332,665	\$ 459,560,715	61.4%	1.0%
C36 - GBS	\$ 107,829,248	\$ 224,426,717	30.0%	0.5%
C59 - STA	\$ 16,051,090	\$ 32,440,726	4.3%	0.1%
C41 - RPL	\$ 39,285,187	\$ 24,865,527	3.3%	0.1%
C40 - TMP	\$ 1,393,440	\$ 2,481,590	0.3%	0.01%
C42 - GOV	\$ 2,097,339	\$ 2,110,109	0.3%	0.005%
C44 - TSU	\$ 800,261	\$ 967,265	0.1%	0.002%
C46 - AVS	\$ 90,026	\$ 859,570	0.1%	0.002%
C35 - LVS	\$ 96,042	\$ 424,780	0.1%	0.001%
C43 - GFT	\$ 337,093	\$ 420,071	0.1%	0.001%
C53 - APP	\$ 56,249	\$ 186,248	0.02%	0.0004%
C54 - SS-WRC	\$ 211,789	-	0.0%	0.0%
C45 - BAG	\$ 2,600.00	-	0.0%	0.0%
C38 - TSR	\$ 25.00	-	0.0%	0.0%
Subtotal License Exceptions	\$ 460,583,054.00	\$ 748,743,318.00		1.7%
Total of Licensed Exports and License Exceptions	\$ 936,359,758.00	\$ 1,340,447,828.00		3.0%
<b>NLR [2]</b>				
	2021	2022	% of total NLR 2022	% of total exports 2022
C33 - NLR with an ECCN	\$ 9,421,615,224	\$ 10,197,172,662	100.0%	23.0%
C60 - NLR for 600-series .y subparagraph	\$ 3,282,486	\$ 4,634,097	0.05%	0.01%
C63 - NLR for 0A501 .y subparagraph Firearms	\$ 88,525	\$ 63,904	0.001%	0.0001%
Subtotal NLR	\$ 9,424,986,235	\$ 10,201,870,663		23.1%

[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 (AES) filings.