

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

#### **Summary**

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

In 2022, both U.S. exports to Russia and imports from Russia shrank significantly from 2021. U.S. exports totaled \$1.7 billion, a decrease of 74.0% (\$4.7 billion), and U.S. imports totaled \$14.4 billion, a decrease of 51.3% (\$15.2 billion). The trade deficit was \$12.8 billion, decreasing 45.1% (\$10.4 billion) from 2021.

In 2022, 0.1% of total U.S. global exports of \$2.1 trillion were exported to Russia and 0.4% of total U.S. imports of \$3.2 trillion from all countries were imported from Russia.

In 2022, \$465.6 million of U.S. exports of Chemicals, Plastics, Rubber, Leather Goods to Russia represented 0.1% of U.S. global exports of those commodities.

In 2022, \$5.1 billion of U.S. imports of Oils, Minerals, Lime, And Cement from Russia constituted 1.6% of the total U.S. imports of those commodities.

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

In 2022, U.S. exports to Russia made under a BIS license exception totaled \$10.9 million, a decrease of 88.0% from \$91.1 million in 2021.

In 2022, the top license exception, Encryption Commodities & Software (ENC), totaled at \$7.2 million (65.6% of all license exceptions for Russia), followed by Commercial Communication Devices (CCD), totaled at \$3.4 million (31.0%), and Governments, International Organizations, International Inspections under the Chemical Weapons Convention, and the International Space Station (GOV), totaled at \$0.3 million (2.9%).

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<sup>&</sup>lt;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. <a href="https://www.census.gov/foreign-trade/reference/definitions/index.html#goods">https://www.census.gov/foreign-trade/reference/definitions/index.html#goods</a>.

<sup>&</sup>lt;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.



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

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

In 2022, the number of export license applications for Russia, excluding applications for deemed exports and reexports, amounted to 1.5% of total applications worldwide.

In 2022, for applications involving commodities, software, and technology (excluding deemed exports and reexports of technology and source code to Russian nationals in the U.S. or in a third country), BIS reviewed 592 export/re-export license applications valued at \$10.6 billion for Russia, compared to 39,045 applications worldwide valued at \$335.9 billion. BIS denied 197 applications. BIS approved 160 applications valued at \$4.9 billion with an approval rate of 27.0%, compared to 34,068 approvals worldwide and valued at \$226.1 billion with an approval rate of 87.3%. The remainder were returned without action (RWA).

In 2022, BIS reviewed 7 applications for deemed exports or reexports involving Russian nationals, representing 0.5% of total deemed export or reexport applications worldwide. BIS approved 6 of these applications and returned one without action (an approval rate of 85.7%).

In 2022, the top approved ECCNs on licenses for Russia were EAR99 for Items subject to the EAR that are not elsewhere specified in this CCL with 76 approvals, followed by 5A992 for Equipment not controlled by 5A002 with 32 approvals, and 5A991 for Telecommunication equipment, not controlled by 5A001 with 26 approvals.

In 2022, the average processing time for applications involving Russia was 90 calendar days.

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<sup>&</sup>lt;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.



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

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

In 2022, both U.S. exports to Russia and imports from Russia shrank significantly from 2021. U.S. exports totaled \$1.7 billion, a decrease of 74.0% (\$4.7 billion), and U.S. imports totaled \$14.4 billion, a decrease of 51.3% (\$15.2 billion). The trade deficit was \$12.8 billion, decreasing 45.1% (\$10.4 billion) from 2021.



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

	2017	2018	2019	2020	2021	2022	2017-2021 Average
EXPORTS	\$7,002.9	\$6,658.1	\$5,787.4	\$4,889.1	\$6,386.0	\$1,662.8	\$6,144.7
∆value		-\$344.8	-\$870.7	-\$898.3	\$1,496.9	-\$4,723.2	
$\Delta pct$		-4.9%	-13.1%	-15.5%	30.6%	-74.0%	
IMPORTS	\$17,055.4	\$20,845.0	\$22,279.1	\$16,902.0	\$29,638.3	\$14,437.8	\$21,344.0
$\Delta value$		\$3,789.6	\$1,434.2	-\$5,377.1	\$12,736.3	-\$15,200.6	
$\Delta pct$		22.2%	6.9%	-24.1%	75.4%	-51.3%	
BALANCE	(\$10,052.5)	(\$14,186.9)	(\$16,491.7)	(\$12,013.0)	(\$23,252.3)	(\$12,775.0)	(\$15,199.3)
$\Delta value$		(\$4,134.4)	(\$2,304.8)	\$4,478.8	(\$11,239.4)	\$10,477.3	
$\Delta pct$		41.1%	16.2%	-27.2%	93.6%	-45.1%	

<sup>&</sup>lt;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. <a href="https://www.census.gov/foreign-trade/reference/definitions/index.html#goods">https://www.census.gov/foreign-trade/reference/definitions/index.html#goods</a>.

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

In 2022, of \$1.7 billion in U.S. exports to Russia, the top commodity sectors were Chemicals, Plastics, Rubber, Leather Goods (28.0% of the total exports to the country), Machinery & Mechanical Appliances (24.4% of such total), and Optical, Measuring, Medical, Other Instruments (15.3% of such total).

In 2022, of \$14.4 billion in U.S. imports from Russia, the top commodity sectors were Oils, Minerals, Lime, And Cement (35.6% of the total U.S imports from the country), Chemicals, Plastics, Rubber, And Leather Goods (20.2% of such total) and Base Metals, Iron, Steel, Tools (17.1% of such total).

Imports from Russia By Sector	Russia Commodity Trade 2022	US Exports to Russia by Sector			
\$14,437,767,456	Total Value All Commodities	\$1,662,770,314			
8.3%	Agriculture Products (Chapters 01-24)	8.5%			
35.6%	Oils, Minerals, Lime, Cement (Chapters 25-27)	0.2%			
20.2%	Chemicals, Plastics, Rubber, Leather Goods (Chapters 28-43)	28.0%			
2.1%	Wood, Cork, Paper, Printed Books (Chapters 44-49)	1.3%			
0.1%	Textiles, Footwear, Headgear (Chapters 50-67)	1.6%			
13.3%	Stone, Glass, Metals, Pearls (Chapters 68-71)	1.1%			
17.1%	Base Metals, Iron, Steel, Tools (Chapters 72-83)	2.6%			
1.5%	Machinery & Mechanical Appliances (Chapters 84-85)	24.4%			
0.4%	Transportation Equipment (Chapters 86-89)	14.6%			
0.3%	Optical, Measuring, Medical, Other Instruments (Chapters 90-92)	15.3%			
0.4%	Arms & Ammunition (Chapter 93)	0.0%			
0.2%	Miscellaneous Manufactured Items (Chapters 94-96)	1.0%			
0.0%	Art, Collectors' Pieces, Antiques (Chapter 97)	0.2%			
0.5%	Special Classification Items (Chapter 98)	1.0%			
0.1%	Temporary Legislation (Chapter 99)	0.0%			
	Source: U.S. Census Bureau USA Trade Portal August 30, 2023				

In 2022, 0.1% of total U.S. global exports of \$2.1 trillion were exported to Russia and 0.4% of total U.S. imports of \$3.2 trillion from all countries were imported from Russia.

#### **Exports**

In 2022, \$465.6 million of U.S. exports of Chemicals, Plastics, Rubber, Leather Goods to Russia represented 0.1% of U.S. global exports of those commodities. Additionally, \$406.5 million of exports of Machinery & Mechanical Appliances represented 0.1%, and \$255.1 million of Optical, Measuring, Medical, Other Instruments represented 0.3% of U.S. global exports of those commodities.

#### **Imports**

In 2022, \$5.1 billion of U.S. imports of Oils, Minerals, Lime, and Cement from Russia constituted 1.6% of the total U.S. imports of those commodities. Additionally, \$2.9 billion of imports of Chemicals, Plastics, Rubber, and Leather Goods represented 0.6%, and the \$2.5 billion of imports of Base Metals, Iron, Steel, Tools represented 1.3% of the global U.S. imports of those commodities.



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

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

In 2022, of the \$1.7 billion<sup>6</sup> in U.S. exports to Russia:

- \$26.7 million, or 1.6% of the total value, were exported under a BIS license;
- \$10.9 million, or 0.7% of the total value, were exported under a BIS license exception;
- \$124.1 million, or 7.5%, were exported under No License Required (NLR) reporting an ECCN<sup>7</sup>;
- There were no exports under NLR for 600-series. y subparagraph items<sup>8</sup>;
- There were no exports 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.

Russia									
	2020	2021	2022						
Licensed by BIS	\$65.3	\$383.0	\$26.8						
BIS License Exceptions	\$77.8	\$91.1	\$10.9						
NLR reporting an ECCN [8]	\$493.4	\$980.7	\$124.1						
NLR DY6 600-Series .y subparagraph [9]	<b>\$0.1</b>	\$0.0	\$0.0						
NLR YFA 0A501 .y subparagraph firearms [10]	\$0.04	\$0.4	\$0.0						
Values in Millions of U.S. Dollars. Source: Automated Export System February 15, 2023									

Reasons for Control	Chemical and Biological Weapons		al	Nuclear Nonproliferation				Missile Tech		ional oility	Firearms Convention	C	rime Contr	ol	Anti-Te	rrorism
	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
Russian Federation	X	X	X	X	X	X	X	X	X	X		X	X			

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<sup>&</sup>lt;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>&</sup>lt;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 <a href="https://www.census.gov/foreign-trade/reference/definitions/index.html#goods">https://www.census.gov/foreign-trade/reference/definitions/index.html#goods</a>.

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

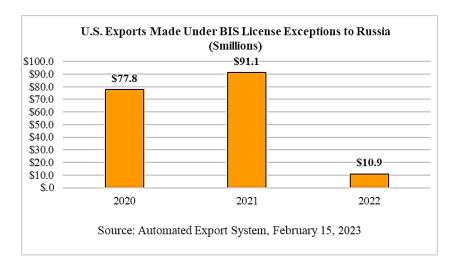
<sup>&</sup>lt;sup>8</sup> Line items reported in AES as 9x515 subparagraph .y or "600 series", and shipped under license type C60 and license number DY6.

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

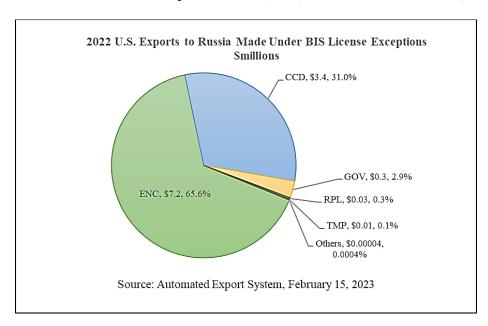


### Analysis of U.S. Trade with Russia, 2022

In 2022, U.S. exports to Russia made under a BIS license exception totaled \$10.9 million, a decrease of 88.0% from \$91.1 million in 2021.



In 2022, the top license exception, Encryption Commodities & Software (ENC), totaled at \$7.2 million (65.6% of all license exceptions for Russia), followed by Commercial Communication Devices (CCD), totaled at \$3.4 million (31.0%), and Governments, International Organizations, International Inspections under the Chemical Weapons Convention, and the International Space Station (GOV), totaled at \$0.3 million (2.9%).



STA: Strategic Trade Authorization

ENC: Encryption commodities, software, and technology

GOV: Governments, international organizations, international inspections under the Chemical Weapons

Convention, and the International Space Station

RPL: Servicing and replacement of parts and equipment

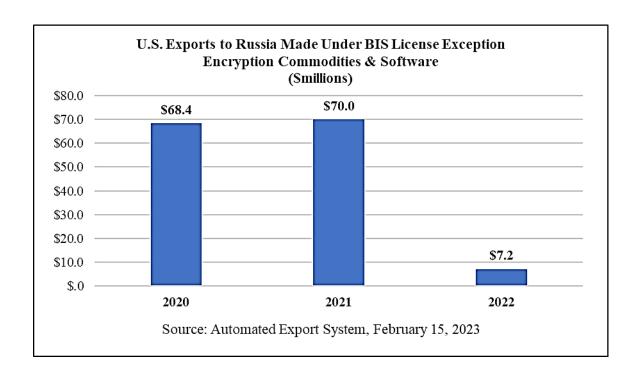
TMP: Temporary imports, exports, reexports, and transfers (in-country)

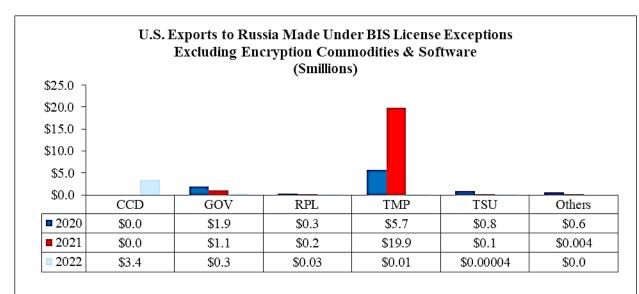
CCD: Commercial Communication Devices



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

In 2022, U.S. exports to Russia shipped under BIS license exception ENC totaled \$7.2 million, an 89.8% decrease from \$70.0 million in 2021.





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Top	ECCNs Re	ported on Exports to Russia, by aggregate shipment value (\$millions)
#1	9A991	"Aircraft," n.e.s., and gas turbine engines not controlled by 9A001 or
#2	EAR99	Items subject to the EAR that are not elsewhere specified in this CCL
#3	7A994	Other navigation direction finding equipment, airborne communication e
#4	1B999	Specific Processing Equipment, n.e.s., as Follows (See List of Items C
#5	5A991	Telecommunication equipment, not controlled by 5A001 (see List of Item
#6	8A992	Vessels, marine systems or equipment, not controlled by 8A001 or 8A002
#7	8E992	"Technology" for the "development", "production" or "use" of equipment
#8	7A103	Instrumentation, navigation equipment and systems, other than those co

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

	Top E	CCNs Rep	ported on Exports to Russia, by aggregate shipment value (\$millions)
	#1	5A002	"Information security" systems, equipment and "components," as follows
IONS	#2	5A992	Equipment not controlled by 5A002 (see List of Items Controlled).
	#3	5B002	"Information Security" test, inspection and "production" equipment, as
	#4	9A515	"Spacecraft" and related commodities, as follows (see List of Items Co
P	#5	EAR99	Items subject to the EAR that are not elsewhere specified in this CCL
98	#6	5D002	"Software" as follows (see List of Items Controlled).
×	#7	9A004	Space launch vehicles and "spacecraft," "spacecraft buses", "spacecraf
$\Xi$	#8	3A981	Polygraphs (except biomedical recorders designed for use in medical fa
	#9	9A991	"Aircraft," n.e.s., and gas turbine engines not controlled by 9A001 or
	#10	7A103	Instrumentation, navigation equipment and systems, other than those co

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

	Top E	CCNs Rep	oorted on Exports to Russia, by aggregate shipment value (\$millions)
<b>7</b>	#1	2B999	Specific Processing Equipment, n.e.s., as Follows (See List of Items C
ฮ	#2	9A991	"Aircraft," n.e.s., and gas turbine engines not controlled by 9A001 or
Ŏ	#3	5A992	Equipment not controlled by 5A002 (see List of Items Controlled).
国	#4	1A999	Specific Processing Equipment, n.e.s., as Follows (See List of Items C
	#5	7A994	Other navigation direction finding equipment, airborne communication e
	#6	5A991	Telecommunication equipment, not controlled by 5A001 (see List of Item
	#7	4A994	Computers, "electronic assemblies" and related equipment not controlle
	#8	9A990	Diesel engines, n.e.s., and tractors and "specially designed" "parts"
	#9	3A999	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

Source: Automated Export System

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

#1	9A991	"Aircraft," n.e.s., and gas turbine engines not controlled by 9A001 or
#2	7A994	Other navigation direction finding equipment, airborne communication e
#3	EAR99	Items subject to the EAR that are not elsewhere specified in this CCL
#4	7A103	Instrumentation, navigation equipment and systems, other than those co
#5	8A992	Vessels, marine systems or equipment, not controlled by 8A001 or 8A002
#6	1B999	Specific Processing Equipment, n.e.s., as Follows (See List of Items C
#7	5A991	Telecommunication equipment, not controlled by 5A001 (see List of Item
#8	8E992	"Technology" for the "development", "production" or "use" of equipment

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

Тор	ECCNs Re	ported on Exports to Russia, by shipment count [1]
#1	5A992	Equipment not controlled by 5A002 (see List of Items Controlled).
#2	5A002	"Information security" systems, equipment and "components," as follows
#3	EAR99	Items subject to the EAR that are not elsewhere specified in this CCL
#4	9A004	Space launch vehicles and "spacecraft," "spacecraft buses", "spacecraf
#5	5B002	"Information Security" test, inspection and "production" equipment, as
#6	9A515	"Spacecraft" and related commodities, as follows (see List of Items Co
#7	3A981	Polygraphs (except biomedical recorders designed for use in medical fa
#8	5D002	"Software" 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 l	ECCNs Re	ported on Exports to Russia, by shipment count [1]
<b>-</b>	#1	9A991	"Aircraft," n.e.s., and gas turbine engines not controlled by 9A001 or
S	#2	5A992	Equipment not controlled by 5A002 (see List of Items Controlled).
Ö	#3	3A991	Electronic devices, and "components" not controlled by 3A001.
<u> </u>	#4	7A994	Other navigation direction finding equipment, airborne communication e
with	#5	5A991	Telecommunication equipment, not controlled by 5A001 (see List of Item
<b>*</b>	#6	2B999	Specific Processing Equipment, n.e.s., as Follows (See List of Items C
×	#7	4A994	Computers, "electronic assemblies" and related equipment not controlle
Z	#8	3A999	Specific Processing Equipment, n.e.s., as Follows (See List of Items C
-	#9	1A995	Protective and detection equipment not "specially designed" for milita
	#10	3A992	General purpose electronic equipment not controlled by 3A002.

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

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

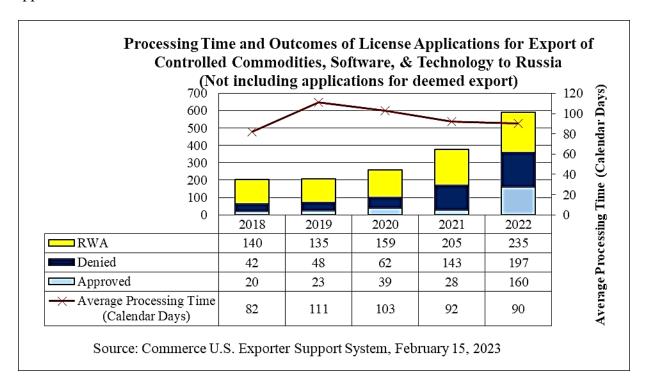


### Analysis of U.S. Trade with Russia, 2022

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

In 2022, the number of export license applications for Russia, excluding applications for deemed exports and reexports, amounted to 1.5% of total applications worldwide.

In 2022, for applications involving commodities, software, and technology (excluding deemed exports and reexports of technology and source code to Russian nationals in the U.S. or in a third country), BIS reviewed 592 export/re-export license applications valued at \$10.6 billion for Russia, compared to 39,045 applications worldwide valued at \$335.9 billion. BIS denied 197 applications. BIS approved 160 applications valued at \$4.9 billion with an approval rate of 27.0%, compared to 34,068 approvals worldwide and valued at \$226.1 billion with an approval rate of 87.3%.

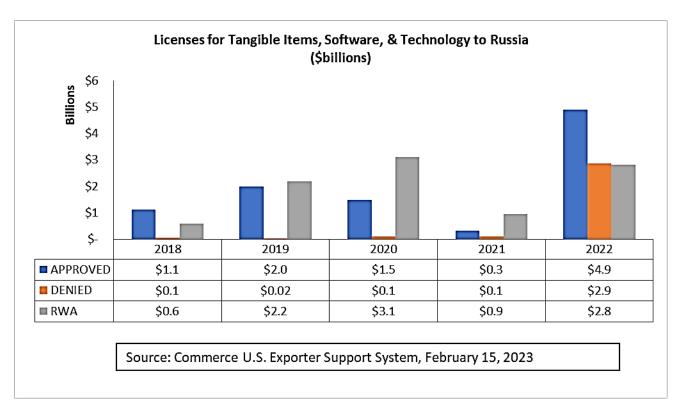


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<sup>&</sup>lt;sup>10</sup> Licensing data in this section is drawn from BIS internal systems. Data pertains to applications for export and/or reexport licenses and their associated outcomes. Reexport and export licenses and applications are not differentiated 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.



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



In 2022, BIS reviewed 7 applications for deemed exports or reexports involving Russian nationals, representing 0.5% of total deemed export or reexport applications worldwide. BIS approved 6 of these applications and returned one without action (an approval rate of 85.7%).

In the last five years, there was one denial for applications for deemed exports or reexports involving Russian nationals.

Coun	Count of License Applications for Deemed Export, By Outcome, For Nationals of Russia											
2018-2022												
Year	APPROVED	DENIED	RWA	Russia Total	Worldwide Total	Russia Total/ World Total						
2018	9	0	5	14	969	1.4%						
2019	18	0	3	21	1,308	1.6%						
2020	10	0	1	11	1,207	0.9%						
2021	8	1	1	10	924	1.1%						
2022	6	0	1	7	1,457	0.5%						

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

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

In 2022, the top approved ECCNs on licenses for Russia were EAR99 for Items subject to the EAR that are not elsewhere specified in this CCL with 76 approvals, followed by 5A992 for Equipment not controlled by 5A002 with 32 approvals, and 5A991 for Telecommunication equipment, not controlled by 5A001 with 26 approvals.

Top E	CCNs A	pproved for Export to Russia, by Number of Licenses	2018	2019	2020	2021	2022	% of worldwide total
ED	#1	EAR99 Items subject to the EAR that are not elsewhere specified in this CCL	7	22	36	25	76	5.3%
	#2	5A992 Equipment not controlled by 5A002 (see List of Items Controlled).	-	1	-	-	32	12.7%
RC	#3	5A991 Telecommunication equipment, not controlled by 5A001 (see List of Item	-	-	-	-	26	19.7%
PP	#4	5D002 "Software" as follows (see List of Items Controlled).	-	-	-	1	24	3.7%
A	#5	5D992 "Information Security" "software" not controlled by 5D002 as follows (	-	1	-	-	21	10.2%
		Source: Commerce U.S. Exporter Support System	em, February 15	, 2023				

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

		ECCN	s on Denied License Applications for Export to Russia	2022	% of World Total				
Denied	#1	EAR99	Items subject to the EAR that are not elsewhere specified in this CCL	74	29.0%				
	#2	9A991 '	"Aircraft," n.e.s., and gas turbine engines not controlled by 9A001 or	39	68.4%				
	#3	9E991 '	"Technology", for the "development", "production" or "use" of equipmen	17	45.9%				
	#4	2B999	Specific Processing Equipment, n.e.s., as Follows (See List of Items C	15	45.5%				
	#5	7A994	Other navigation direction finding equipment, airborne communication e	15	65.2%				
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 Russia was 90 calendar days.



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

Summary of U.S. Exports to Russia Calendar Year 2022											
		2021		2022	% change	% of total exports 2022					
Total Exports [1]	\$	6,385,990,814	\$	1,662,770,314	-74.0%	-					
EAR Controlled Exports [2]		2021		2022	% change	% of total exports 2022					
C30 - Licenses	\$	383,032,571	\$	26,690,789	-93.0%	1.6%					
License Exceptions [2]	202	21	202	22	% of total license exceptions 2022	% of total exports 2022					
C50 - ENC	\$	69,953,223	\$	7,169,589	65.6%	0.4%					
C58 - CCD	\$	-	\$	3,393,140	31.0%	0.2%					
C42 - GOV	\$	1,070,510	\$	321,685	2.9%	0.02%					
C41 - RPL	\$	178,254	\$	33,440	0.3%	0.002%					
C40 - TMP	\$	19,855,037	\$	12,100	0.1%	0.001%					
C44 - TSU	\$	64,923	\$	40	0.0004%	0.000002%					
C43 - GFT	\$	2,199	\$	=	0.00%	0.00%					
C53 - APP	\$	2,000	\$	=	0.00%	0.000%					
Subtotal License Exceptions	\$	91,126,146.00	\$	10,929,994.00		0.7%					
Total of Licensed Exports and License Exceptions	\$	474,158,717.00	\$	37,712,277.00		2.3%					
NLR [2]		2021		2022	% of total NLR 2022	% of total exports 2022					
C33 - NLR with an ECCN	\$	980,701,334	\$	124,142,787	100.0%	7.5%					
C60 - NLR for 600-series .y subparagraph	\$	-	\$	-	0.0%	0.0%					
C63 - NLR for 0A501 .y subparagraph Firearms		430,035	\$	-	0.0%	0.0%					
Subtotal NLR	\$	981,131,369	\$	124,142,787		7.5%					

<sup>[1]</sup> 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.

<sup>[2]</sup> Source: Automated Export System (AES) filings.