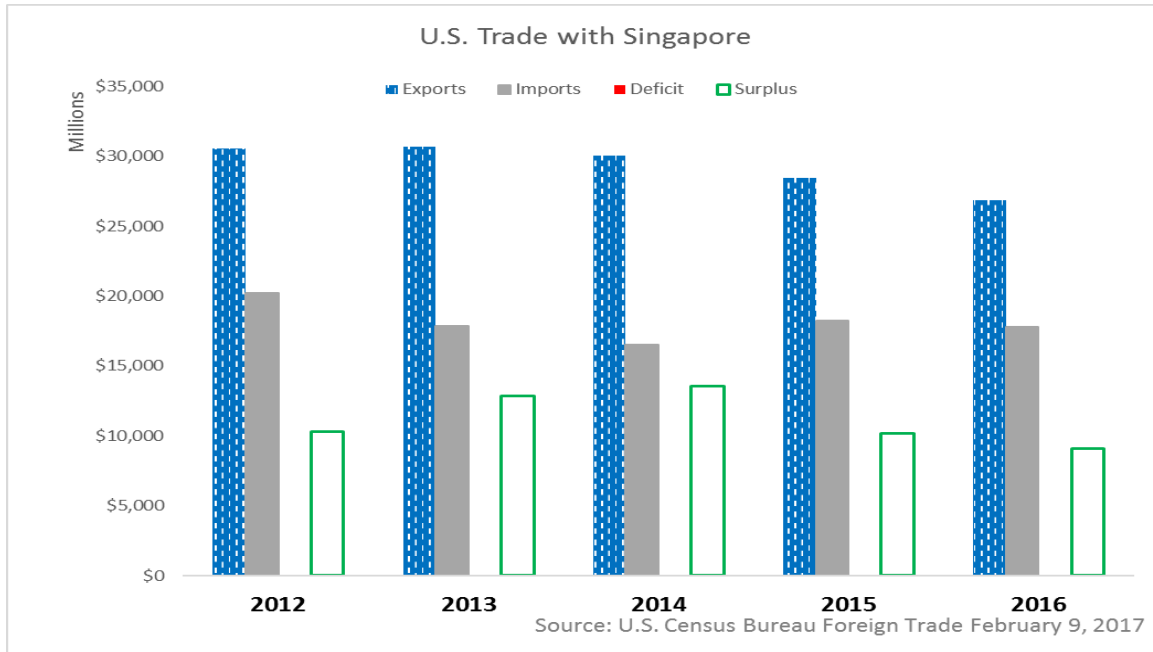




I. Total U.S. Trade with Singapore

In 2016, U.S. exports to Singapore totaled \$26.9 billion, a 5.6% (\$1.6 billion) decrease from 2015; U.S. imports from Singapore totaled \$17.8 billion, a 2.6% (\$466.9 million) decrease; and the trade surplus was \$9.1 billion, an 11.1% (\$1.1 billion) decrease from 2015.



	2012	2013	2014	2015	2016	Five-year Average
<b>EXPORTS</b>	<b>\$30,523.2</b>	<b>\$30,665.0</b>	<b>\$30,072.5</b>	<b>\$28,472.1</b>	<b>\$26,868.5</b>	
Δvalue	-\$759.1	\$141.8	-\$592.6	-\$1,600.4	-\$1,603.6	<b>\$29,933.2</b>
Δpct	\$0.0	\$0.0	\$0.0	-\$0.1	-\$0.1	
<b>IMPORTS</b>	<b>\$20,231.9</b>	<b>\$17,842.9</b>	<b>\$16,501.6</b>	<b>\$18,267.5</b>	<b>\$17,800.6</b>	
Δvalue	\$1,116.0	-\$2,389.0	-\$1,341.3	\$1,765.9	-\$466.9	<b>\$18,210.9</b>
Δpct	-6.7%	-11.8%	-7.5%	10.7%	-2.6%	
<b>BALANCE</b>	<b>\$10,291.3</b>	<b>\$12,822.2</b>	<b>\$13,570.9</b>	<b>\$10,204.6</b>	<b>\$9,067.9</b>	
Δvalue	(\$513.9)	\$2,530.8	\$748.7	(\$3,366.3)	(\$1,136.7)	<b>\$11,722.3</b>
Δpct	4.2%	24.6%	5.8%	-24.8%	-11.1%	

Values in Millions of U.S. Dollars. Source: U.S. Census Bureau Foreign Trade February 9, 2017



## Statistical Analysis of U.S. Trade with Singapore

Of the \$26.9 billion in U.S. exports to Singapore in 2016, the top commodity sectors were machinery and mechanical appliances (32.2%), transportation equipment (17.1%) and chemicals, plastics, and leather products (17.4%).

Of the \$17.8 billion in U.S. imports from Singapore in 2016, the top commodity sectors were machinery and mechanical appliances (33.9%) and chemicals, plastics, and leather products (31.7%).

U.S. Commodity Trade with Singapore for 2016		
Imports from Singapore		US exports to Singapore
0.8%	Agriculture (Chapters 01-24)	2.0%
7.4%	Minerals (Chapters 25-27)	13.8%
20.9%	Chemicals, Plastics, Leather (Chapters 28-43)	16.0%
0.3%	Wood Products (Chapters 44-49)	0.5%
0.1%	Textiles and Footwear (Chapters 50-67)	0.5%
1.4%	Stone, Glass, & Semiprecious Metals (Chapters 68-71)	2.9%
0.7%	Base Metals (Chapters 72-83)	2.3%
32.1%	Machinery (Chapter 84-85)	32.8%
0.7%	Transportation (Chapters 86-89)	14.3%
17.2%	Optical, Measuring, Medical or Other instruments (Chapters 90-92)	9.8%
0.0%	Arms and Ammunition (Chapter 93)	0.0%
0.1%	Miscellaneous Manufactured Items (Chapter 94-96)	0.6%
0.1%	Art & Antiques (Chapter 97)	0.1%
18.2%	Special Items (Chapters 98-99** imports only 98)	4.5%

Source: US Census Bureau, May 22, 2017



**II. Exports to Singapore subject to US Government Filing Requirements**

Of the \$26.9 billion in U.S. exports to Singapore in 2016:

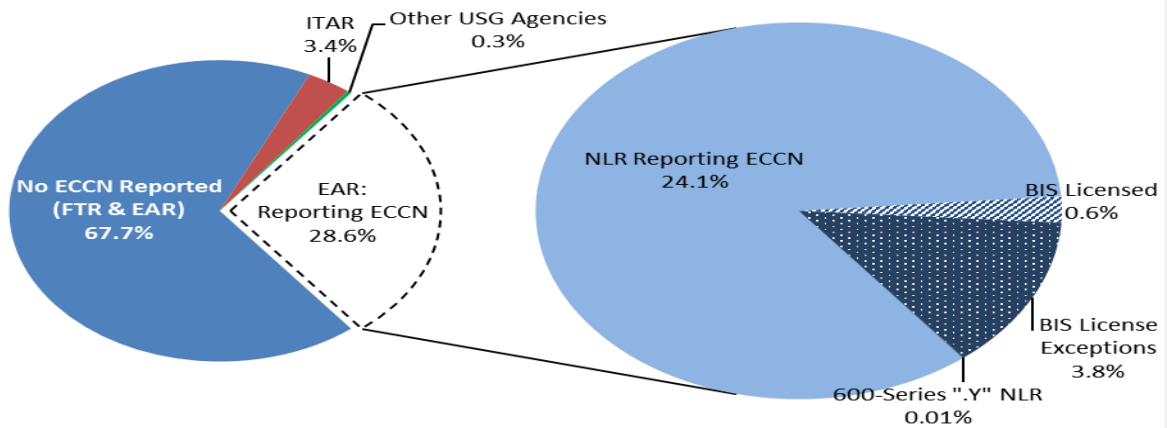
- 4.4% were subject to a BIS license requirement
  - 0.6% were exported under a BIS license; Worldwide, 0.5% were exported under a BIS license.
  - 3.8% were exported under a BIS license exception; Worldwide, 1.6% were exported under a BIS license exception.
- 24.1% were exported under No License Required with an ECCN; Worldwide, 12.2% were exported under No License Required with an ECCN.

	2014	2015	2016
<b>Department of State</b>	\$663.9	\$548.7	\$907.4
<b>Other USG Agencies</b>	\$288.0	\$191.6	\$88.6
<b>Department of Commerce</b>	\$29,379.8	\$27,904.2	\$25,872.4
BIS Licensed	\$233.3	\$217.0	\$172.4
BIS License Exceptions	\$699.7	\$776.8	\$1,014.4
NLR reporting an ECCN	\$5,245.7	\$7,153.8	\$6,482.9
NLR not reporting an ECCN	\$23,198.8	\$19,753.4	\$18,198.7
600-Series ".Y" Paragraph NLR	\$2.3	\$3.2	\$4.0

Values in Millions of U.S. Dollars. Source: Automated Export System May 22 2017

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		

**Primary Jurisdiction of 2016 U.S. Exports to Singapore**

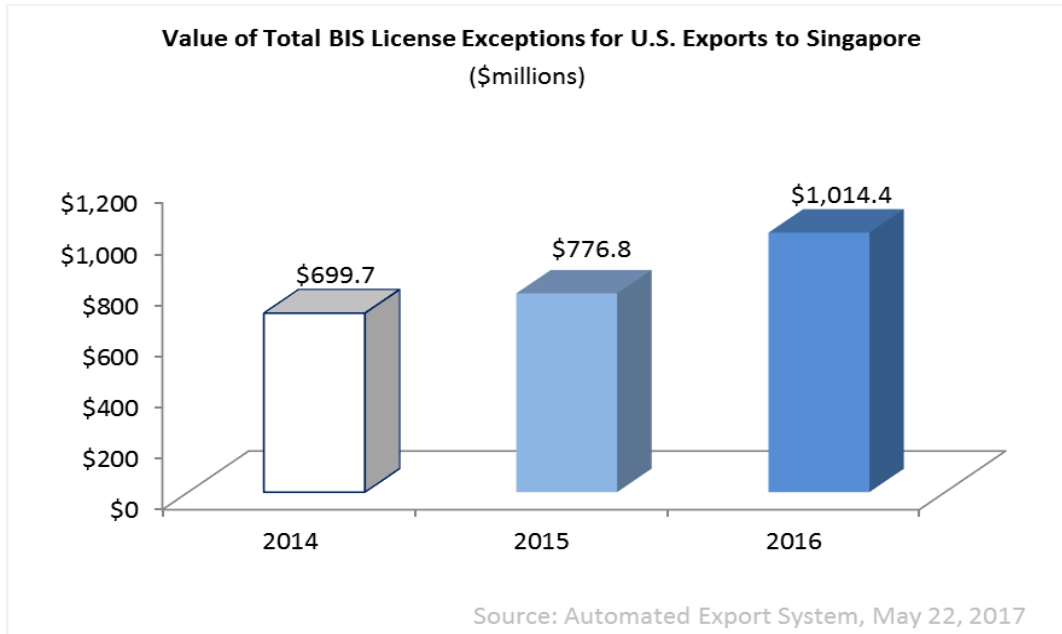


Source: Automated Export System May 22 2017

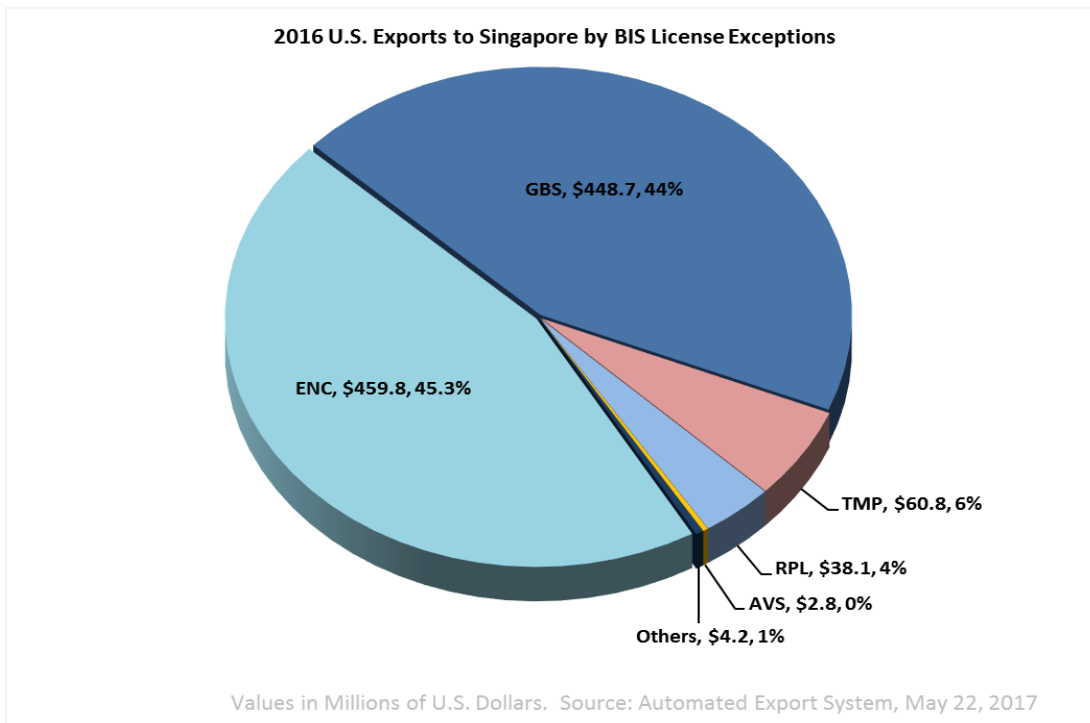


## Statistical Analysis of U.S. Trade with Singapore

In 2016, U.S. exports to Singapore shipped under a BIS license exception totaled \$1.0 billion, a 30.6% (\$237.6 million) increase from 2015.

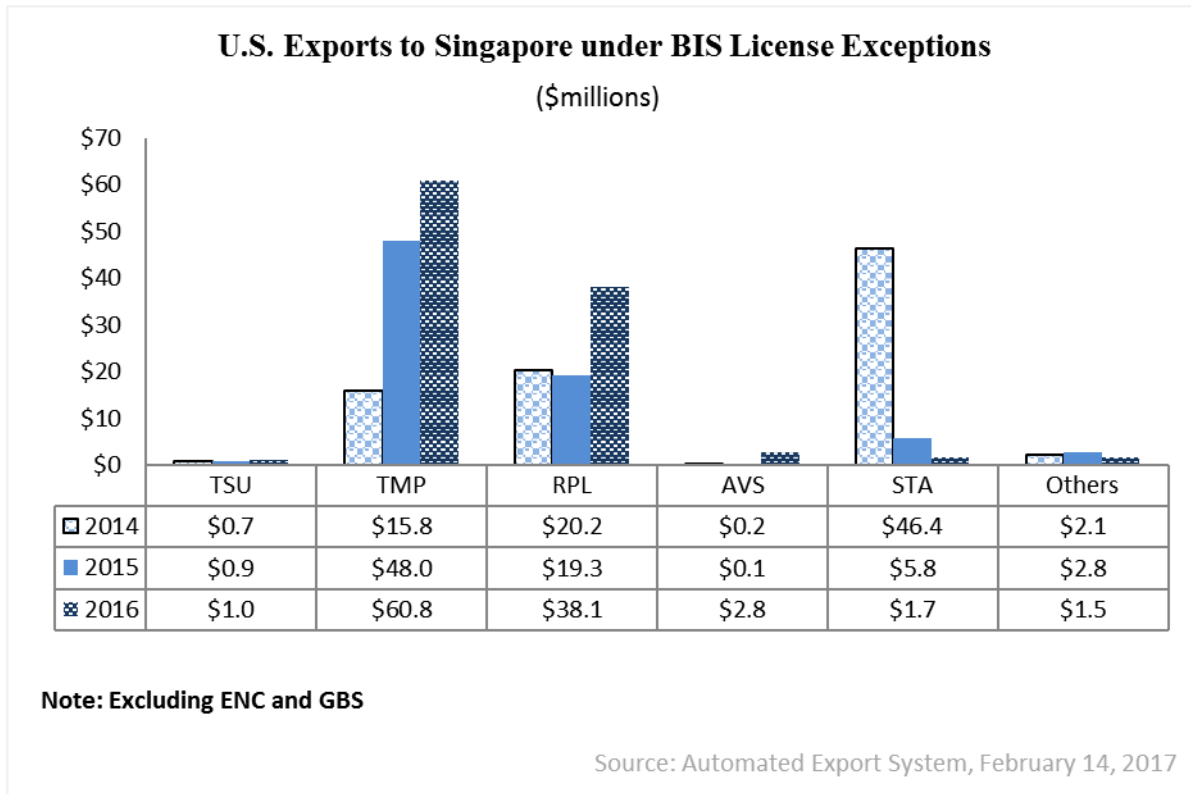
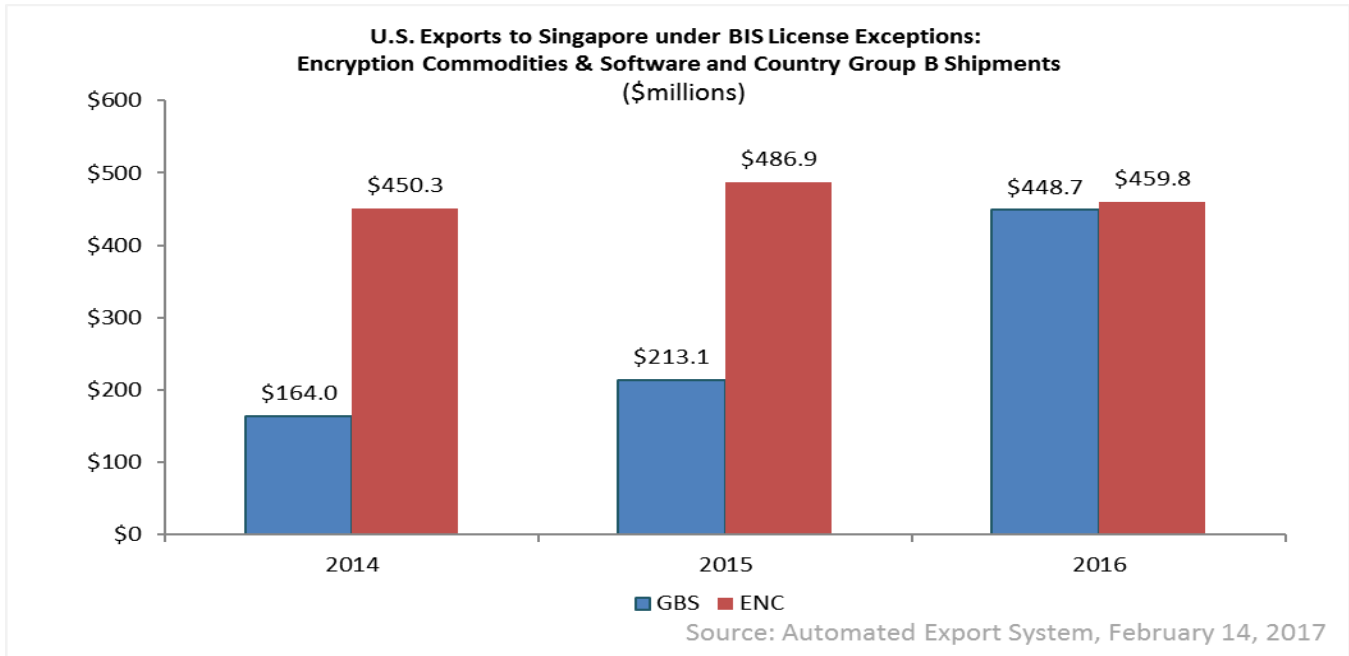


The top license exception Encryption commodities, Software and Technology (ENC) totaled \$459.8 million (45.3% of all license exceptions).





The U.S. exports to Singapore under Shipments to Group B Countries (GBS) increased significantly, from \$213 million in 2015 to \$448.7 million in 2016.





Top Ten ECCNs by Value to Singapore (\$millions)	
<b>LICENSED</b>	#1 9A610 Military Aircraft and Related Commodities
	#2 9A619 Military Gas Turbine Engines and Related Commodities
	#3 5A002 Systems/Equip./Integrated Circuits for Info Sec
	#4 2A983 Explosives Or Detonator Detection Equip.
	#5 1C350 Chemicals, Precursors for toxic Chemical Agents
	#6 6A001 Acoustics
	#7 2B230 Pressure Transducers
	#8 9B610 Test, Inspection, and Production Equip. and Related Commodities Specia...
	#9 0A606 Ground Vehicles and Related Commodities
	#10 1C008 Non-Fluorinated Polymeric Substances

Top Ten ECCNs by Value to Singapore (\$millions)	
<b>EXCEPTIONS</b>	#1 5A002 Systems/Equip./Integrated Circuits for Info Sec
	#2 3B001 Epitaxial Equip. for Semiconductors
	#3 2B350 Chemical Manufacturing Facilities and Equip.
	#4 3A001 Electronic Devices/Components
	#5 9A610 Military Aircraft and Related Commodities
	#6 9A619 Military Gas Turbine Engines and Related Commodities
	#7 7A994 Other "Software" as Follows (See List of Items Controlled).
	#8 3C002 Resist Materials
	#9 3A611 Military Electronics
	#10 7A103 Instrumentation, Navigation Equip./Systems Not

Top Ten ECCNs by Value to Singapore (\$millions)	
<b>NLR with ECCN</b>	#1 9A991 Aircraft and Certain Gas Turbine Engines N.E.S.
	#2 3B991 Other Mfg/Test Equip. Not Controlled By 3B
	#3 3B992 Equip. for the Inspection/Testing of Components
	#4 3A991 Electronic Devices and Components
	#5 5A992 Information Security Equip.
	#6 5A991 Transmission Items Not W/I Parameters In 5A001
	#7 4A994 Items Not Controlled By 4A001/4A002/4A003
	#8 7A994 Other "Software" as Follows (See List of Items Controlled).
	#9 3A999 Specific Processing Equip., N.E.S.
	#10 2B999 Specific Processing Equip., N.E.S.



**LICENSED**

Top Ten ECCNs to Singapore by Shipment Count	
#1	9A610 Military Aircraft and Related Commodities
#2	2B230 Pressure Transducers
#3	9A619 Military Gas Turbine Engines and Related Commodities
#4	2B350 Chemical Manufacturing Facilities and Equip.
#5	7A002 Gyros and Specially Designed Components
#6	7A103 Instrumentation, Navigation Equip./Systems Not
#7	3A611 Military Electronics
#8	3A001 Electronic Devices/Components
#9	5A002 Systems/Equip./Integrated Circuits for Info Sec
#10	2A983 Explosives Or Detonator Detection Equip.

**EXCEPTIONS**

Top Ten ECCNs to Singapore by Shipment Count	
#1	5A002 Systems/Equip./Integrated Circuits for Info Sec
#2	5D002 Software for Information Security
#3	3B001 Epitaxial Equip. for Semiconductors
#4	9A610 Military Aircraft and Related Commodities
#5	3A001 Electronic Devices/Components
#6	9A619 Military Gas Turbine Engines and Related Commodities
#7	7A994 Other "Software" as Follows (See List of Items Controlled).
#8	4A003 "Digital Computers," "Electronic assemblies" and Related Equip. theref...
#9	7A103 Instrumentation, Navigation Equip./Systems Not
#10	7A002 Gyros and Specially Designed Components

**NLR with ECCN**

Top Ten ECCNs to Singapore by Shipment Count	
#1	9A991 Aircraft and Certain Gas Turbine Engines N.E.S.
#2	3B991 Other Mfg/Test Equip. Not Controlled By 3B
#3	5A992 Information Security Equip.
#4	5A991 Transmission Items Not W/I Parameters In 5A001
#5	4A994 Items Not Controlled By 4A001/4A002/4A003
#6	7A994 Other "Software" as Follows (See List of Items Controlled).
#7	3A991 Electronic Devices and Components
#8	2B999 Specific Processing Equip., N.E.S.
#9	3B992 Equip. for the Inspection/Testing of Components
#10	3A999 Specific Processing Equip., N.E.S.



## BIS Licensing to Singapore

### III. BIS Licensing to the Singapore

In 2016, BIS reviewed 851 export/re-export applications (not including deemed export applications) valued at \$2.2 billion for Singapore, out of a total of 33,195 applications worldwide valued at \$235.4 billion.

- Approved applications for Singapore totaled 774 (90.9% of the total applications) for \$1.7 billion, compared to the 28,214 (85.0%) approved applications for all destinations that totaled \$210.3 billion.

