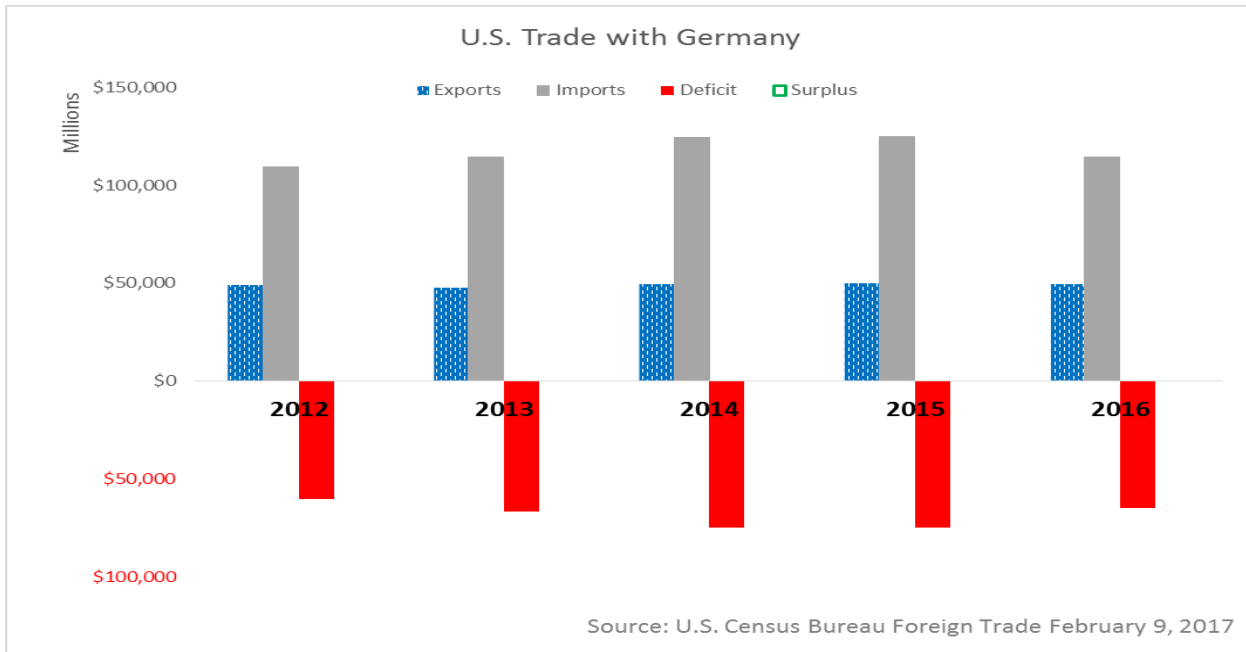




I. Total U.S. Trade with the Germany

In 2016, U.S. exports to Germany were \$49.4 billion, a 1.2% (\$608.8 million) decrease from 2015; U.S. Imports from Germany were \$114.2 billion, a 8.5% (\$10,593.0 million) decrease and U.S. trade deficit with Germany was \$64.9 billion, a 13.3% (\$9,984.2 million) decrease from 2015.



	2012	2013	2014	2015	2016	Five-year Average
EXPORTS	\$48,803.0	\$47,363.5	\$49,370.3	\$49,970.8	\$49,362.0	
<i>Δvalue</i>	-\$491.2	-\$1,439.5	\$2,006.9	\$600.5	-\$608.8	\$48,877
<i>Δpct</i>	-1.0%	-2.9%	4.2%	1.2%	-1.2%	
IMPORTS	\$109,225.8	\$114,341.9	\$124,178.9	\$124,820.5	\$114,227.4	
<i>Δvalue</i>	\$10,541.4	\$5,116.1	\$9,837.0	\$641.6	-\$10,593.0	\$118,142
<i>Δpct</i>	15.9%	4.7%	8.6%	0.5%	-8.5%	
BALANCE	(\$60,422.8)	(\$66,978.4)	(\$74,808.6)	(\$74,849.7)	(\$64,865.4)	
<i>Δvalue</i>	\$16,148.8	(\$6,555.6)	(\$7,830.1)	(\$41.1)	\$9,984.2	(\$69,264.9)
<i>Δpct</i>	32.7%	10.8%	11.7%	0.1%	-13.3%	

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



Statistical Analysis of U.S. Trade with the Germany

Of the 49.4 billion exports to Germany in 2016, the top commodities were:

- Transportation equipment (27.8%), Machinery and mechanical appliances (22.0%), and Chemicals, plastics, leather products (17.5%)

Of the 114.2 billion imports from Germany in 2016, the top commodities were:

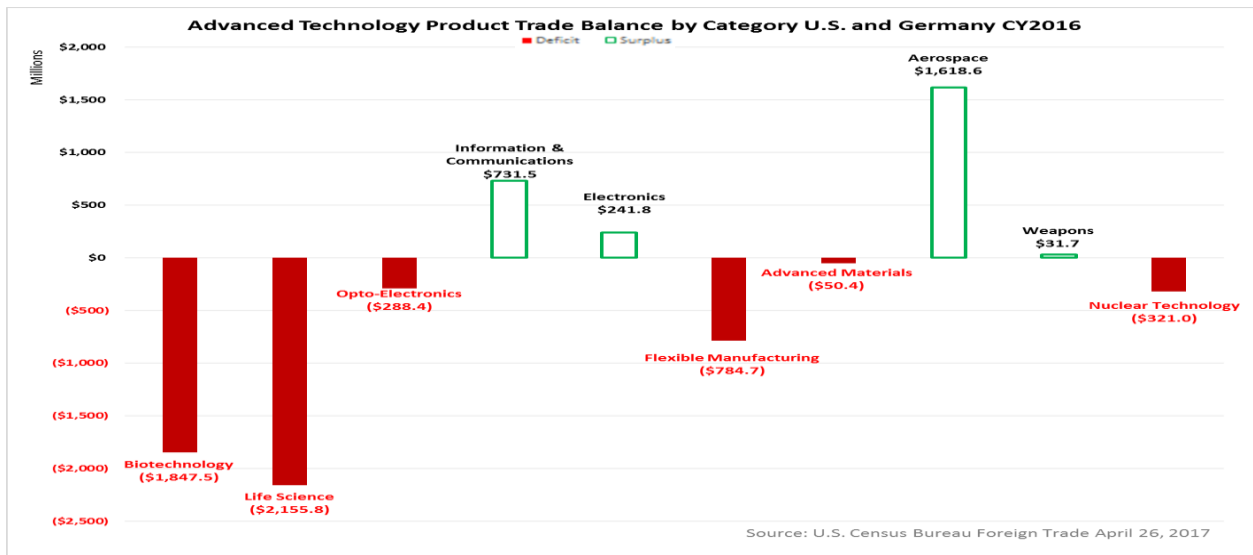
- Transportation equipment (27.8%), Machinery and mechanical appliances (26.8%), and Chemicals, plastics, leather products (20.9%)

Imports from Germany by Sector \$114,227,421,953	U.S. Commodity Trade with Germany for 2016 Total Value All Commodities	US exports to Germany by Sector \$49,361,987,827
1.7%	Agriculture (Chapters 01-24)	3.8%
0.2%	Minerals (Chapters 25-27)	1.2%
20.9%	Chemicals, Plastics, Leather (Chapters 28-43)	17.5%
1.0%	Wood Products (Chapters 44-49)	1.3%
0.7%	Textiles and Footwear (Chapters 50-67)	1.3%
1.6%	Stone, Glass, & Semiprecious Metals (Chapters 68-71)	4.6%
4.6%	Base Metals (Chapters 72-83)	3.1%
26.8%	Machinery (Chapter 84-85)	22.0%
27.8%	Transportation (Chapters 86-89)	27.8%
8.0%	Optical, Measuring, Medical or Other instruments (Chapters 90-92)	12.6%
0.2%	Arms and Ammunition (Chapter 93)	0.3%
1.0%	Miscellaneous Manufactured Items (Chapter 94-96)	0.6%
0.9%	Art & Antiques (Chapter 97)	1.3%
4.7%	Special Items (Chapters 98-99** imports only 98)	3.2%

Source: US Census Bureau, February 9, 2017

The U.S. Advanced Technology Products (ATP)¹ trade deficit was \$2.9 Billion:

- ATP Exports to Germany valued \$13.6 billion, a 4% decrease (\$575 million) decrease from 2015;
- ATP imports from Germany were \$16.9 billion, a 6.9% (\$1,247 million) decrease from 2015.



¹ Advanced Technology Products : about 500 of some 22,000 commodity classification codes used in reporting U.S. merchandise trade are identified as "advanced technology" codes as determined by the Foreign Trade Division at the U.S. Census Bureau.



Exports to Germany subject to US Government Filing Requirements

II. Exports to Germany subject to US Government Filing Requirements

Of the \$49.4 billion in U.S. exports to Germany in 2016:

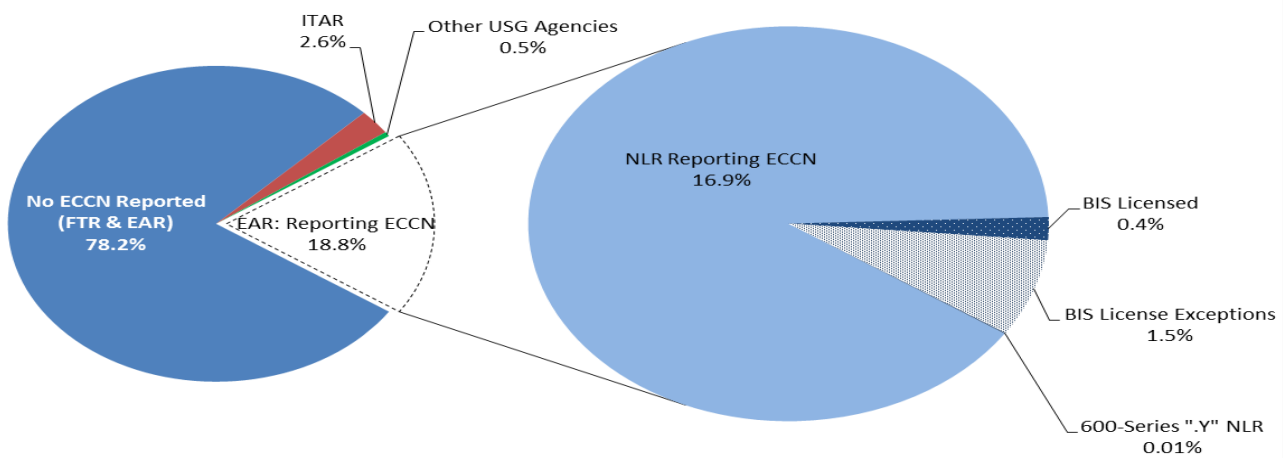
- 1.9% were subject to a BIS license requirement
 - 0.4% were exported under a BIS license; Worldwide, 0.5% were exported under a BIS license.
 - 1.5% were exported under a license exception; Worldwide, 1.6% were exported under a BIS exception.
- 16.9% were reported under No License Required with an ECCN, Worldwide, 12.2% were exported under No License Required with an ECCN.

Exports to Germany Subject to U.S. Government Filing Requirements				
		2014	2015	2016
	Department of State	\$1,797.8	\$2,468.4	\$1,260.3
	Other USG Agencies	\$138.1	\$250.8	\$228.1
	Department of Commerce	\$47,434.4	\$47,251.6	\$47,873.6
	BIS Licensed	\$79.1	\$152.0	\$174.7
	BIS License Exceptions	\$449.9	\$813.3	\$737.9
	NLR reporting an ECCN	\$7,376.0	\$7,564.8	\$8,347.4
	NLR not reporting an ECCN	\$39,527.3	\$38,717.8	\$38,607.6
	600-Series ".Y" Paragraph NLR	\$2.2	\$3.7	\$6.0

Values in Millions of U.S. Dollars. Source: Automated Export System April 20 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
Germany	X					X		X	X							

Primary Jurisdiction of Total U.S. Exports to Germany 2016



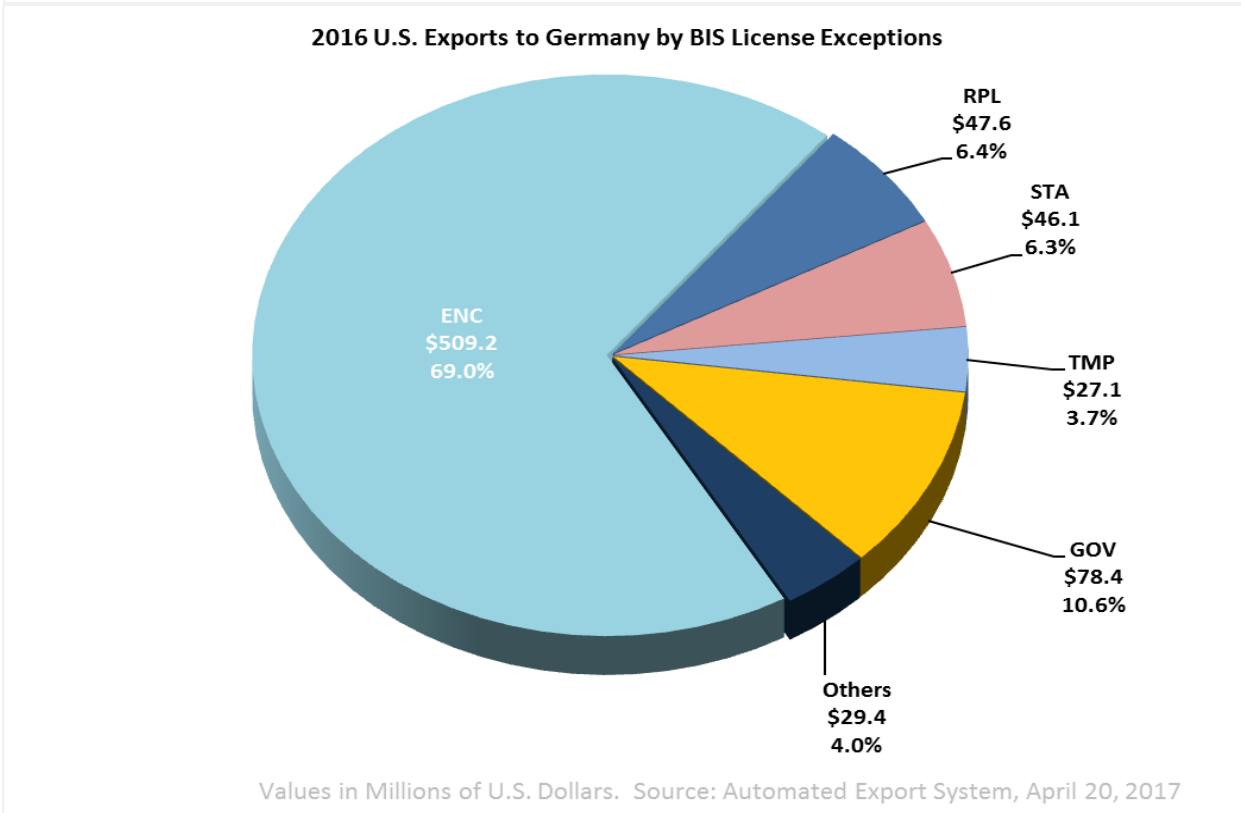
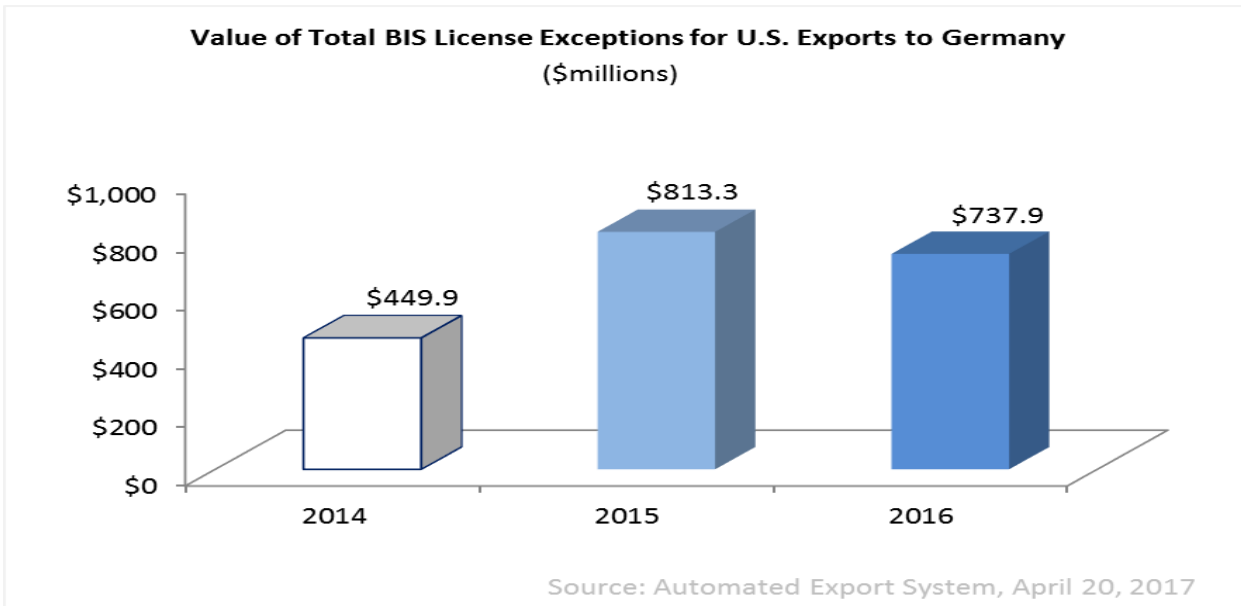
Source: Automated Export System April 20 2017



Exports to Germany subject to US Government Filing Requirements

In 2016, the value of U.S. exports shipped to Germany under a BIS license exception was \$737.9 million, a 9.3% (\$75.5 million) decrease from 2015:

- 69.0% included Encryption Commodities, Software and Technology (ENC);
- 11.0% Government and International Organizations (GOV).

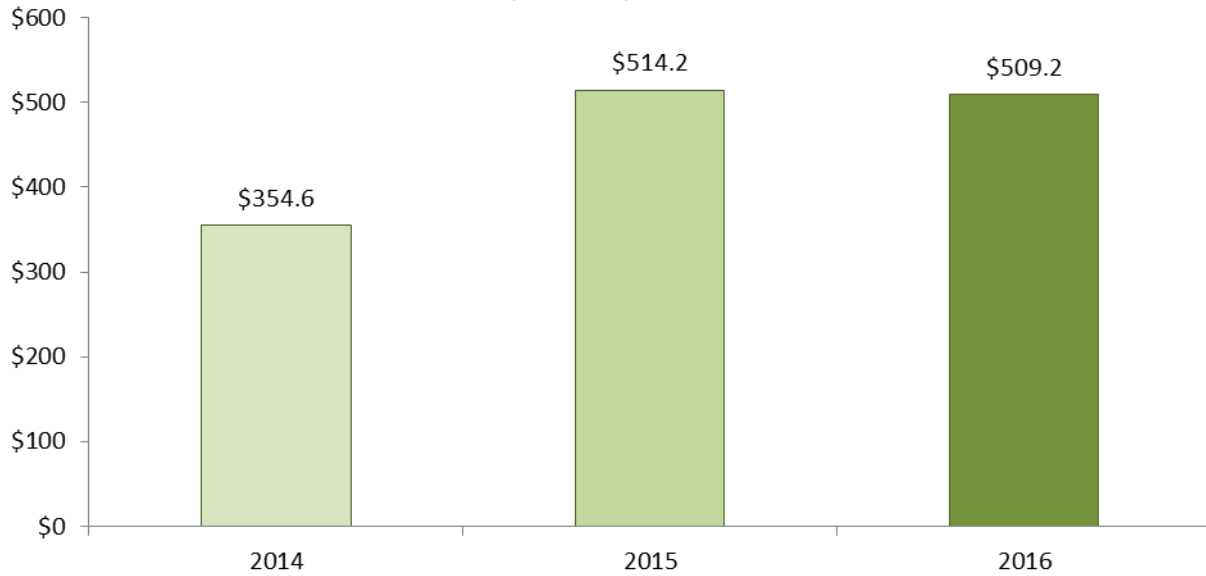




Exports to Germany subject to US Government Filing Requirements

U.S. Exports to Germany under BIS License Exception: Encryption Commodities & Software

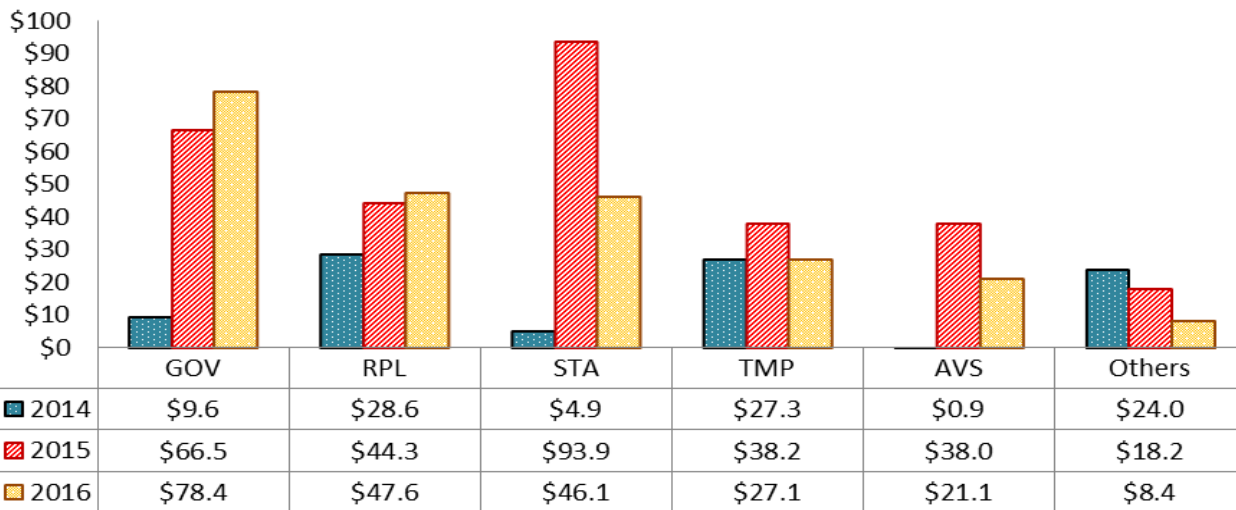
(\$millions)



Source: Automated Export System, April 20, 2017

U.S. Exports to Germany under BIS License Exceptions

(\$millions)

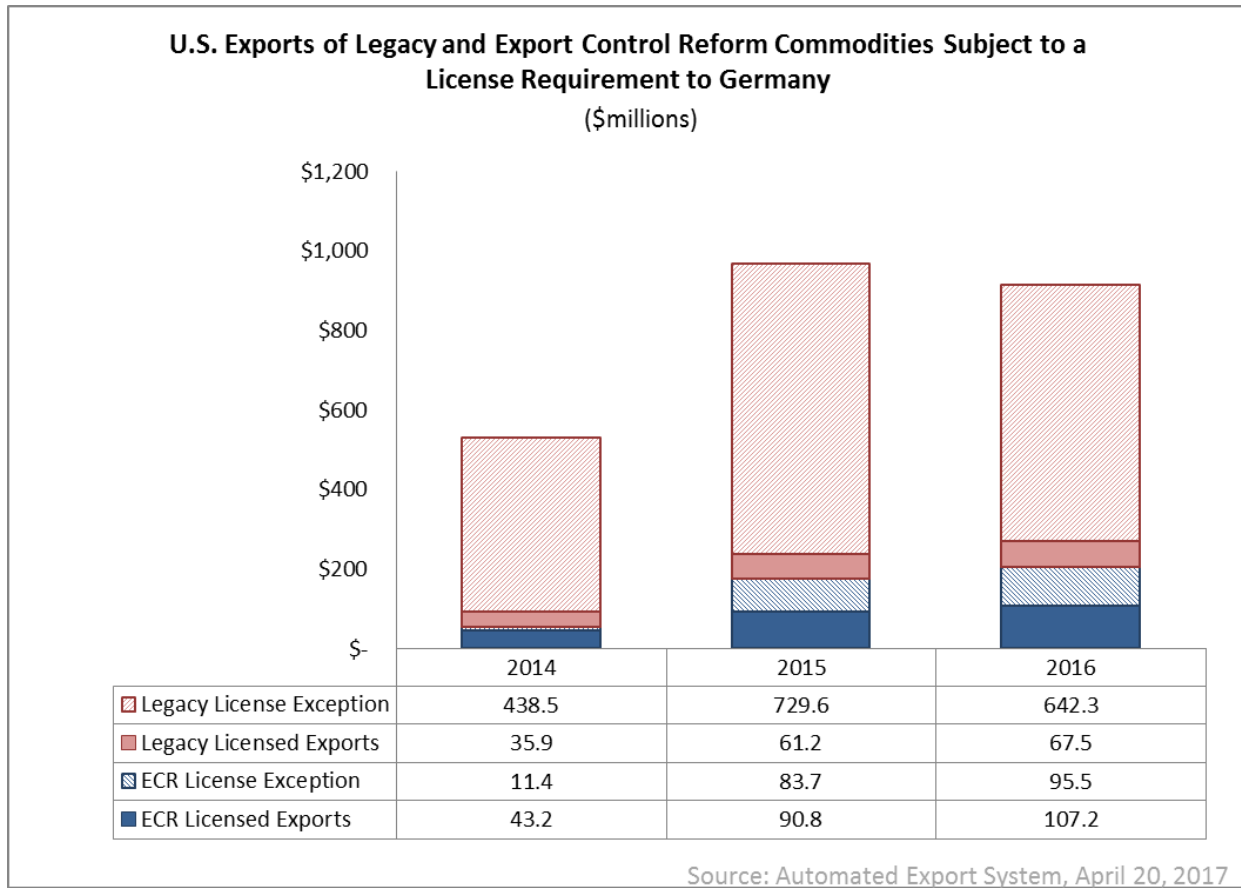


Note: Excluding ENC

Source: Automated Export System, April 20, 2017



Exports to Germany subject to US Government Filing Requirements





Exports to Germany subject to US Government Filing Requirements

Top Ten ECCNs by Value to Germany (\$millions)	
LICENSED	#1 9A610 Military Aircraft and Related Commodities
	#2 7A103 Instrumentation, Navigation Equip./Systems Not
	#3 9A619 Military Gas Turbine Engines and Related Commodities
	#4 9A515 Spacecraft and Related Commodities
	#5 9A001 Aero Gas Turbine Engines
	#6 3A611 Military Electronics
	#7 9A604 Commodities Related to Launch Vehicles, Missiles, Rockets, torpedoes, ...
	#8 0A606 Ground Vehicles and Related Commodities
	#9 7A002 Gyros and Specially Designed Components
	#10 6A003 Cameras

Top Ten ECCNs by Value to Germany (\$millions)	
EXCEPTIONS	#1 5A002 Systems/Equip./Integrated Circuits for Info Sec
	#2 9A610 Military Aircraft and Related Commodities
	#3 9A001 Aero Gas Turbine Engines
	#4 9A991 Aircraft and Certain Gas Turbine Engines N.E.S.
	#5 EAR99 Items subject to the EAR that are not elsewhere controlled
	#6 5D002 Software for Information Security
	#7 Blank No ECCN reported
	#8 9A619 Military Gas Turbine Engines and Related Commodities
	#9 3A611 Military Electronics
	#10 9B610 Test, Inspection, and Production Equip. and Related Commodities Specia...

Top Ten ECCNs by Value to Germany (\$millions)	
NLR with ECCN	#1 9A991 Aircraft and Certain Gas Turbine Engines N.E.S.
	#2 5A992 Information Security Equip.
	#3 5A991 Transmission Items Not W/I Parameters In 5A001
	#4 7A994 Other "Software" as Follows (See List of Items Controlled).
	#5 3B991 Other Mfg/Test Equip. Not Controlled By 3B
	#6 3A999 Specific Processing Equip., N.E.S.
	#7 4A994 Items Not Controlled By 4A001/4A002/4A003
	#8 3B001 Epitaxial Equip. for Semiconductors
	#9 3B992 Equip. for the Inspection/Testing of Components
	#10 1C395 Mixtures and Medical, Analytical, Diagnostic, and Food Testing Kits No...



Exports to Germany subject to US Government Filing Requirements

Top Ten ECCNs to Germany by Shipment Count	
LICENSED	#1 9A610 Military Aircraft and Related Commodities
	#2 9A619 Military Gas Turbine Engines and Related Commodities
	#3 7A103 Instrumentation, Navigation Equip./Systems Not
	#4 0A606 Ground Vehicles and Related Commodities
	#5 9A604 Commodities Related to Launch Vehicles, Missiles, Rockets, torpedoes, ...
	#6 3A611 Military Electronics
	#7 7A002 Gyros and Specially Designed Components
	#8 3A001 Electronic Devices/Components
	#9 0A982 Handcuffs, Leg Irons and Shackles
	#10 9A515 Spacecraft and Related Commodities

Top Ten ECCNs to Germany by Shipment Count	
EXCEPTIONS	#1 5A002 Systems/Equip./Integrated Circuits for Info Sec
	#2 9A610 Military Aircraft and Related Commodities
	#3 5D002 Software for Information Security
	#4 3A001 Electronic Devices/Components
	#5 9A991 Aircraft and Certain Gas Turbine Engines N.E.S.
	#6 3A611 Military Electronics
	#7 EAR99 Items subject to the EAR that are not elsewhere controlled
	#8 7A994 Other "Software" as Follows (See List of Items Controlled).
	#9 7A103 Instrumentation, Navigation Equip./Systems Not
	#10 Blank No ECCN reported

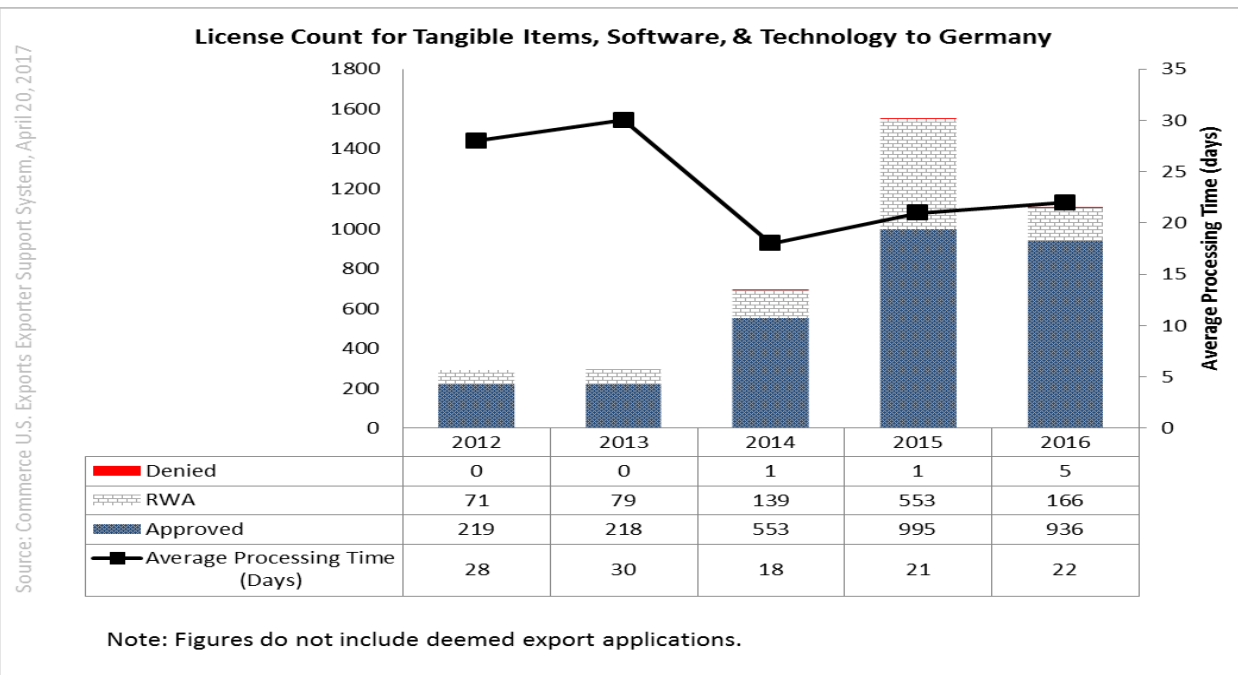
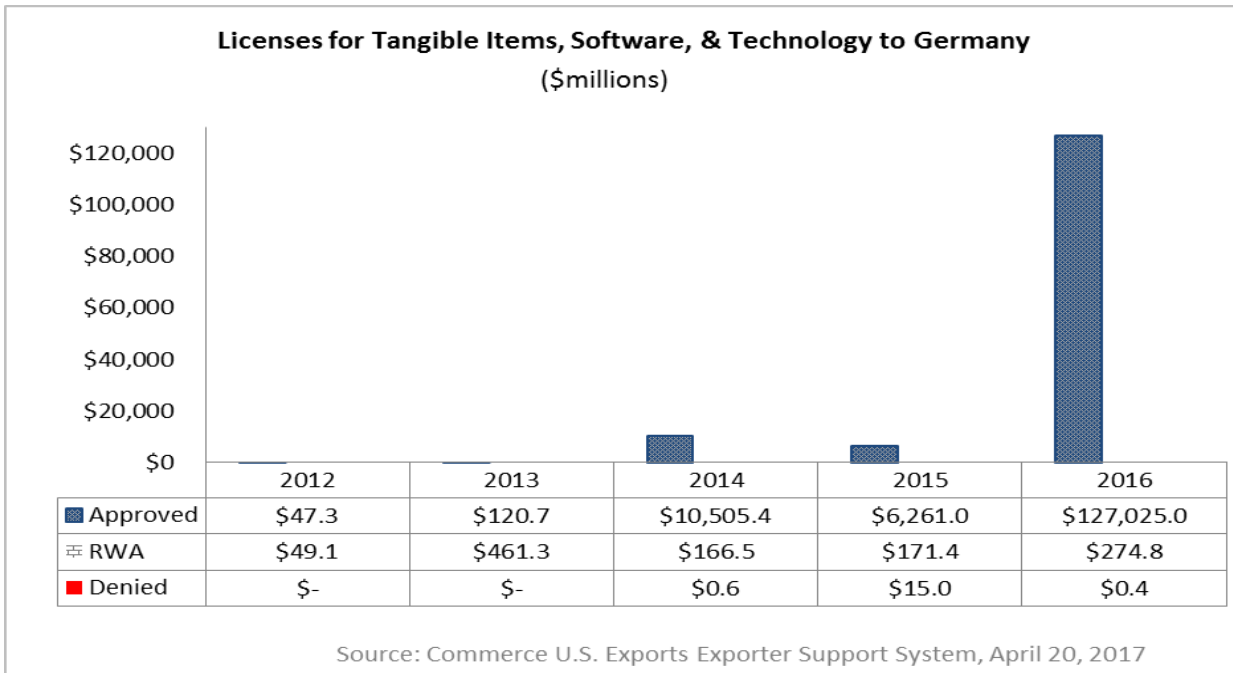
Top Ten ECCNs to Germany by Shipment Count	
NLR with ECCN	#1 9A991 Aircraft and Certain Gas Turbine Engines N.E.S.
	#2 5A992 Information Security Equip.
	#3 7A994 Other "Software" as Follows (See List of Items Controlled).
	#4 3B991 Other Mfg/Test Equip. Not Controlled By 3B
	#5 5A991 Transmission Items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



III. Licensing to the Germany subject to US Government Filing Requirements

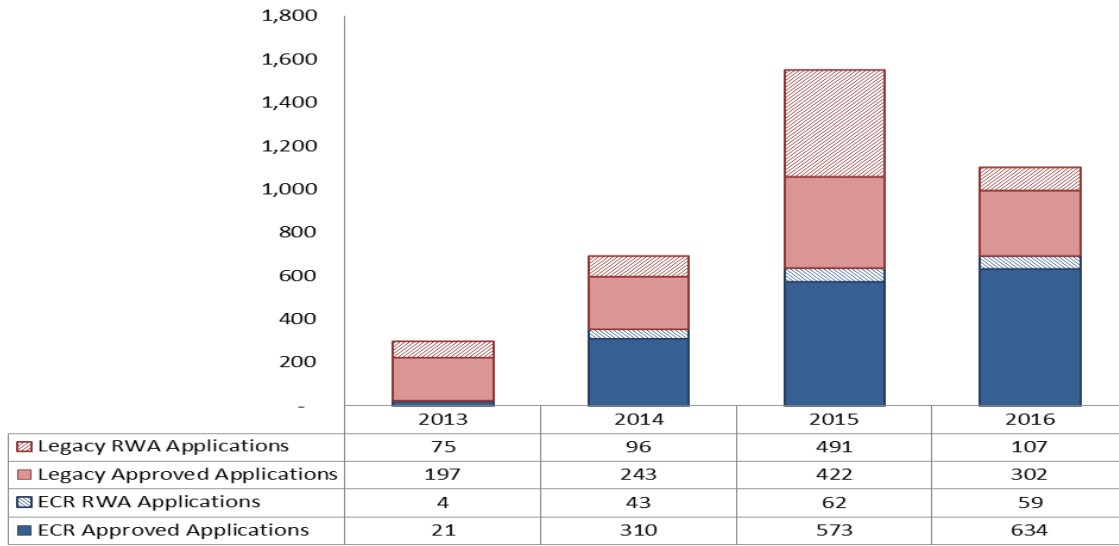
In 2016, BIS reviewed 1,115 export/re-export applications (not including deemed export applications) valued at \$127.3 billion for Germany, out of a total 33,195 applications worldwide valued at \$235.4 billion

- Approved applications for Germany totaled 936 (84.5%), compared with the 28,214 (85.0%) approved applications for all destinations that totaled \$210.3 billion.





Numerical Comparison of 600-series and Legacy ECCN Applications for Germany



Source: Commerce U.S. Exports Exporter Support System, April 20, 2017