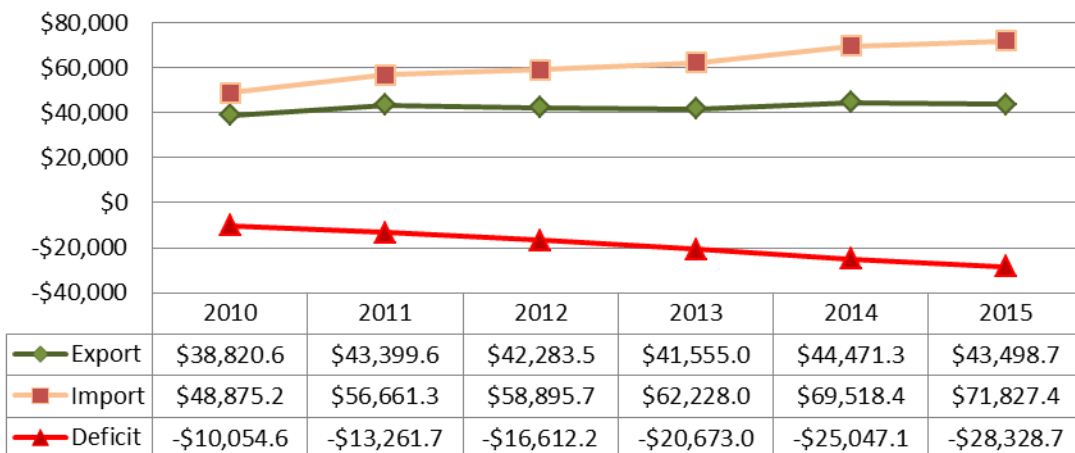


# Statistical Analysis of U.S. Trade with South Korea for Calendar Year 2015

## I. The U.S Trade with South Korea<sup>1</sup>

**U.S. Trade with South Korea 2010-2015**

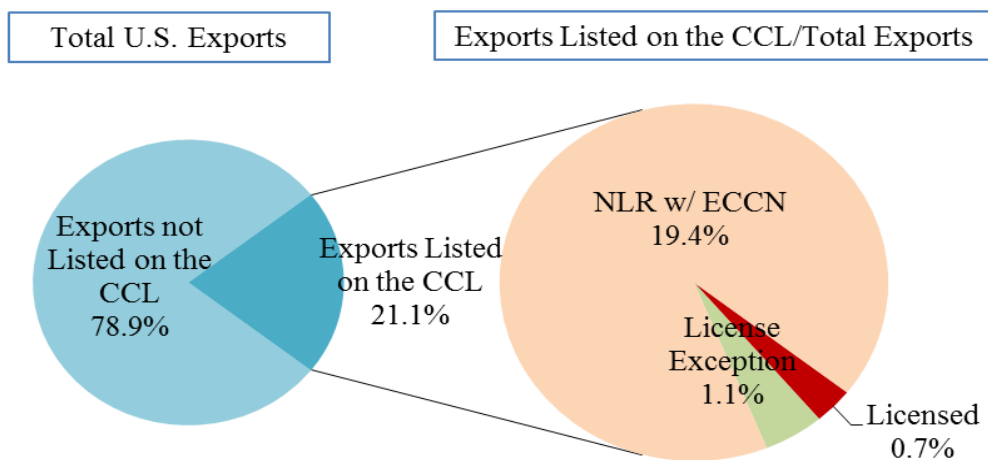
\$millions



In 2015, the U.S. exports to South Korea were \$43.5 billion, a 2.2% (\$972.6 million) decrease from 2014. The U.S. imports from South Korea were \$71.8 billion, a 3.3% (\$2.3 billion) increase. The trade deficit was \$28.3 billion, a 13.1% (\$3.3 billion) increase.

## II. The Impact of Export Controls on U.S.-South Korea Trade<sup>2</sup>

**2015 U.S. Exports to South Korea Listed on the CCL**



Note: For the purpose of this report, exports not listed on the Commerce Control List (CCL) include EAR99 items and items under No License Required (NLR) designation without an Export Control Classification Number (ECCN), and exports regulated by other government agencies.

<sup>1</sup> Source: U.S. Census Bureau Trade Statistics, March 2016.

<sup>2</sup> Source: U.S. Census Bureau Trade Statistics and Automated Export System (AES), March 2016.

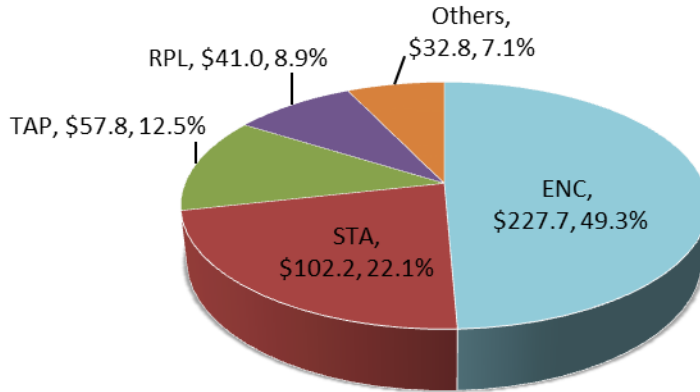
In 2015, of the \$43.5 billion in U.S. exports to South Korea, only 0.7% required a BIS license.

In 2015, of the \$9.2 billion in U.S. exports of items listed on the Commerce Control List (CCL) to South Korea, 3.3% required a BIS license.

In 2015, of the \$764.1 million in U.S. exports subject to a BIS license requirement to South Korea, 60.4% were exported under a BIS license exception.

In 2015, the U.S. exports to South Korea shipped under a BIS license exception valued \$461.6 million, of which, 49.3% included encryption commodities, software and technology (ENC), followed by Strategic Trade Authorization (STA) with 22.1%. Finally, Trans-Alaska Pipeline Oil Exports (TAP) accounted for 12.5%.

**2015 U.S. Exports to South Korea by BIS License Exceptions**  
\$millions



ENC	Encryption Commodities, Software and Technology
STA	Strategic Trade Authorization
TAP	Trans-Alaska Pipeline Oil Exports
RPL	Servicing and Replacement of Parts and Equipment

### III. 2015 Trends in Exports by ECCN and License Designation<sup>3</sup>

#### *Top Four Exports by ECCN to South Korea by Value – Licensed (\$millions)*

<b>ECCN</b>	<b>Description</b>	<b>Value</b>
9A610	Military aircraft and related commodities	\$116.4
9A619	Military gas turbine engines and related commodities	\$69.7
0A606	Ground vehicles and related commodities	\$39.6
9B610	Test, inspection, and production "equipment" and related commodities "specially designed" for the "development" or "production" of commodities enumerated in ECCN 9A610 or USML Category VIII	\$24.5

#### *Top Four Exports by ECCN to South Korea by Shipment Count – Licensed*

<b>ECCN</b>	<b>Description</b>	<b>Shipment Count</b>
9A610	Military aircraft and related commodities	2,693
0A606	Ground vehicles and related commodities	1,245
9A619	Military gas turbine engines and related commodities	980
9E610	Technology required for the development, production, operation, installation, maintenance... of military aircraft and related commodities controlled by 9A610, 9B610, 9C610, or 9D610	112

#### *Top Four Exports by ECCN to South Korea by Value– License Exception (\$millions)*

<b>ECCN</b>	<b>Description</b>	<b>Value</b>
5A002	Information security systems, equipment and "components"	\$221.4
9A610	Military aircraft and related commodities	\$90.9
1C981	Crude petroleum including: reconstituted crude petroleum, tar sands & crude shale oil	\$57.8
9A619	Military gas turbine engines and related commodities	\$26.9

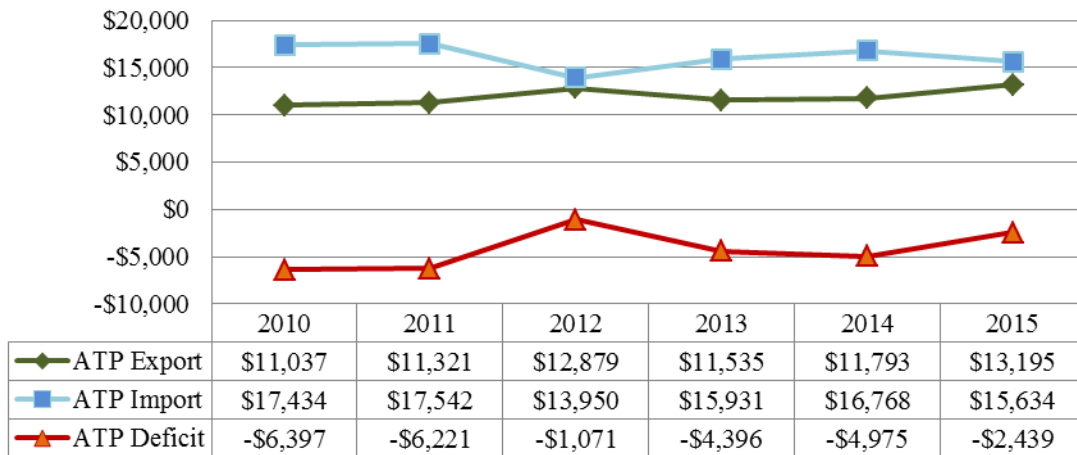
#### *Top Four Exports by ECCN to South Korea by Value – NLR (\$millions)*

<b>ECCN</b>	<b>Description</b>	<b>Value</b>
9A991	Aircraft and gas turbine engines and "parts" and "components"	\$3,272.3
3B001	Equipment for the manufacturing of semiconductor devices or materials	\$1,192.3
3A292	Oscilloscopes and transient recorders other than those controlled by 3A002.a.5, and "specially designed" "parts" and "components" therefor	\$1,169.0
3B991	Equipment not controlled by 3B001 for the manufacture of electronic components and materials	\$1,041.8

<sup>3</sup> Source: AES, March 2016.

#### IV. Analysis of U.S.-South Korea Trade in Advanced Technology Products (ATP)<sup>4</sup>

**U.S. ATP Trade with South Korea 2010 - 2015**  
\$millions



In 2015, U.S. ATP exports to South Korea were \$13.2 billion, an 11.9% (\$1.4 billion) increase from 2014. U.S. ATP imports from South Korea were \$15.6 billion, a 6.8% (\$1.1 billion) decrease. The ATP trade deficit was \$2.4 billion, a 51.0% (\$2.5 billion) decrease.

**U.S. ATP Exports to South Korea 2010-2015**  
\$millions

ATP Category	2010	2011	2012	2013	2014	2015	% of the Total	% change from 2014
Biotechnology	118	77	111	142	158	160	1.2%	1.3%
Life Science	729	710	721	739	681	749	5.7%	10.0%
Opto-Electronics	330	420	565	435	332	267	2.0%	-19.6%
Information & Communications	1,229	1,302	1,020	1,014	992	1,113	8.4%	12.2%
Electronics	2,677	3,547	4,064	3,779	3,727	3,588	27.2%	-3.7%
Flexible Manufacturing	2,716	2,018	2,396	1,701	2,610	2,343	17.8%	-10.2%
Advanced Materials	96	94	79	78	69	77	0.6%	11.6%
Aerospace	2,568	2,627	3,479	3,373	3,043	4,682	35.5%	53.9%
Weapons	391	298	169	188	156	187	1.4%	19.9%
Nuclear Technology	182	227	276	86	25	29	0.2%	16.0%
<b>Grand Total</b>	<b>11,036</b>	<b>11,320</b>	<b>12,879</b>	<b>11,535</b>	<b>11,793</b>	<b>13,195</b>	<b>100.0%</b>	<b>11.9%</b>

In 2015, the largest categories of U.S. ATP exports to South Korea were comprised of Aerospace at \$4.7 billion (35.5% of total ATP exports); Electronics at \$3.6 billion (27.2%); and Flexible Manufacturing at \$2.3 billion (17.8%).

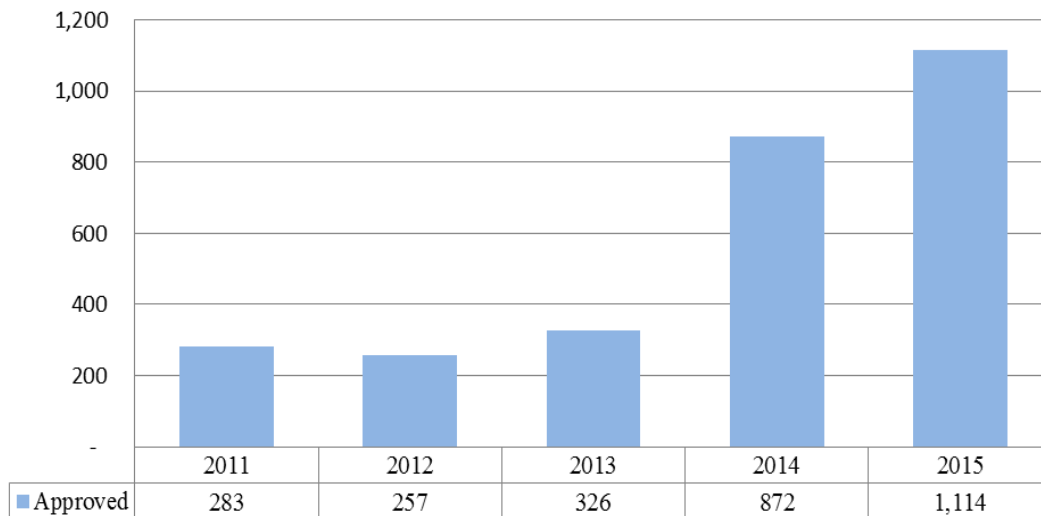
In 2015, 30.3% (\$13.2 billion) of U.S. exports to South Korea were considered ATP items. Of these, 1.1% required *a BIS license*.

In 2015, of the \$454.8 million in U.S. *ATP exports subject to a BIS license requirement* to South Korea, 68.6% were exported under a license exception.

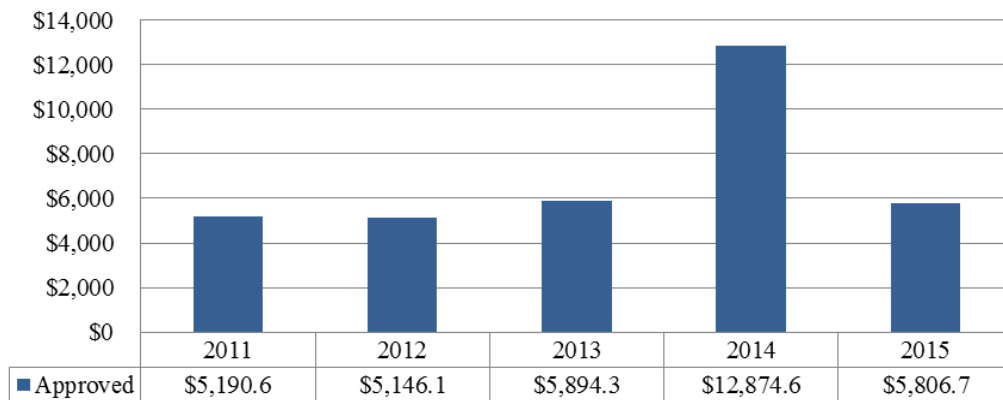
<sup>4</sup> Source: U.S. Census Bureau Trade Statistics, March 2016  
Advanced Technology Products: about 500 of some 22,000 commodity classification codes contain products from a recognized high technology category (e.g., Biotechnology).

## V. 2015 Trends in South Korea Licensing<sup>5</sup>

**Licenses for Tangible Items, Software and Technology South Korea By Count  
2011-2015**



**Licenses for Tangible Items, Software and Technology for South Korea  
2011-2015  
\$millions**



Note: Figures above do not include deemed export applications.

In 2015, BIS reviewed 1,323 export/re-export applications (not including deemed export applications) valued at \$7.0 billion for South Korea, out of a total of 35,018 applications worldwide valued at \$561.3 billion.

- Approved applications for South Korea totaled 1,114 (84.2%) for \$5.8 billion, compared to the 29,283 (83.6%) approved applications valued at \$505.1 billion for all destinations.

Additionally, BIS approved 7 deemed export application for South Korea in 2015, compared to 1,211 approved worldwide.

<sup>5</sup> Source: Commerce U.S. Exports Exporter Support System (CUESS), March 2016.