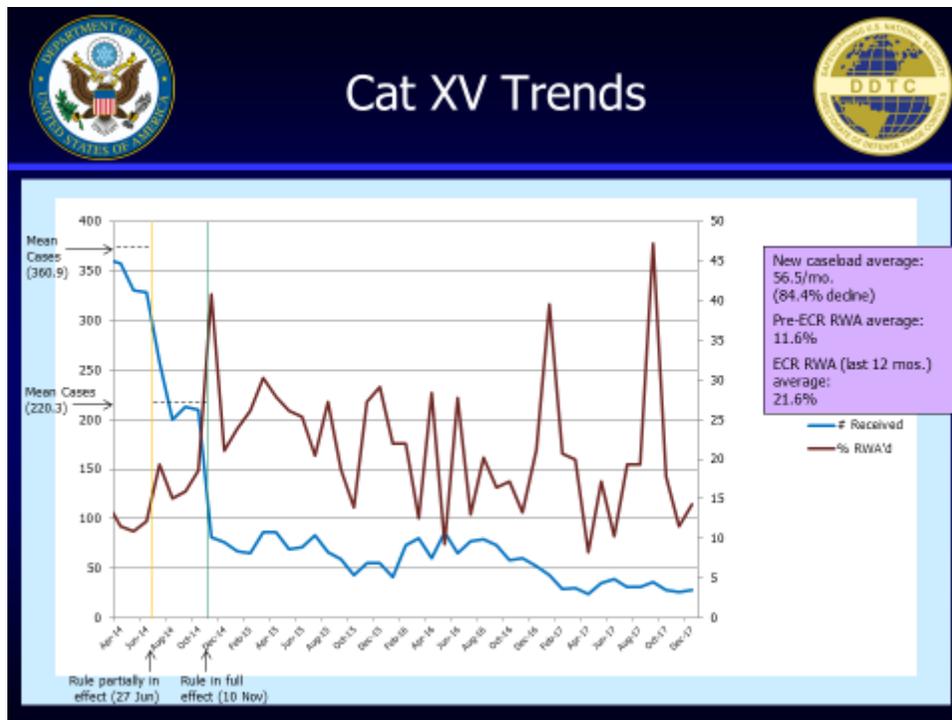


License Applications and Exports

The Fourth USML to CCL Regulatory Change Spacecraft and Satellites

June 27, 2014 to December 31, 2017

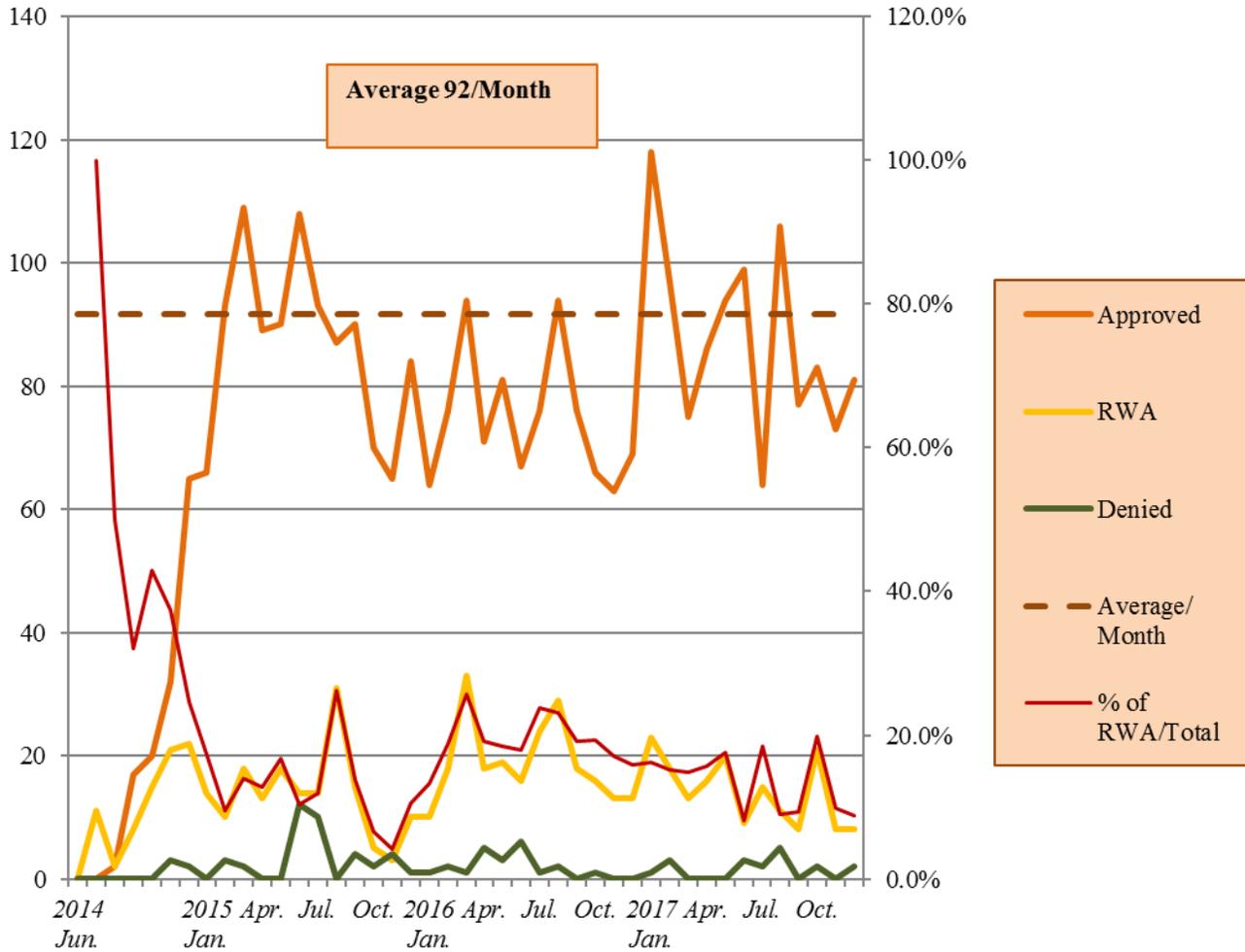
The license applications for items in category XV- Satellites of the United States Munitions List (USML) have declined 84.4% from an average of 361 to 57 per month through December 31, 2017. The average monthly drop of 304 in license applications is the result of certain items transitioning to the Commerce Control List (CCL).



Source: The Directorate of Defense Trade Controls of the U.S. Department of State, January 2018

Since the fourth USML to CCL regulatory change became effective on June 27, 2014, the average number of BIS license applications for the four 9x515 items created by this rule is 89 per month through December 31, 2017. The approval rate is 81.2%.

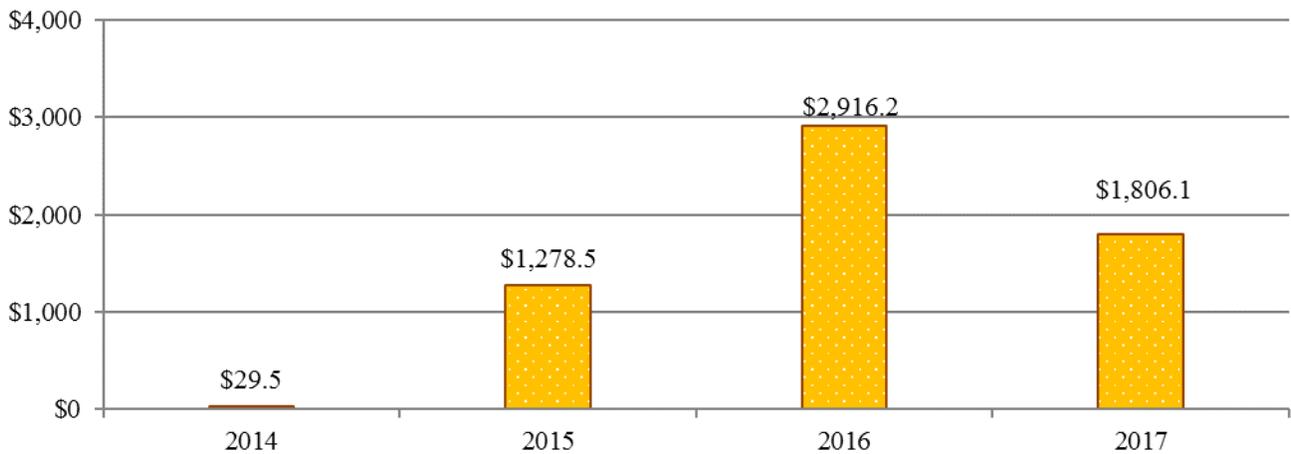
**BIS License Applications for the Fourth ECR Transition Rule
 June 27, 2014 to December 31, 2017**



Source: Commerce U.S. Exports Exporter Support System, January 8, 2018

From June 27, 2014 to December 31, 2017, U.S. exports of items under the fourth USML to CCL regulatory change – Satellites items (9x515) under BIS jurisdiction totaled 10,370 shipments for \$6.0 billion.

**U.S. Exports under the Fourth USML to CCL Regulatory Change
 under BIS Jurisdiction**
 June 27, 2014 to December 31, 2017
 \$million



Source: Automated Export System, January 2018

**U.S. Quarterly Exports under the Fourth USML to CCL Regulatory Change
 under BIS Jurisdiction**
 June 27, 2014 to December 31, 2017
 \$million

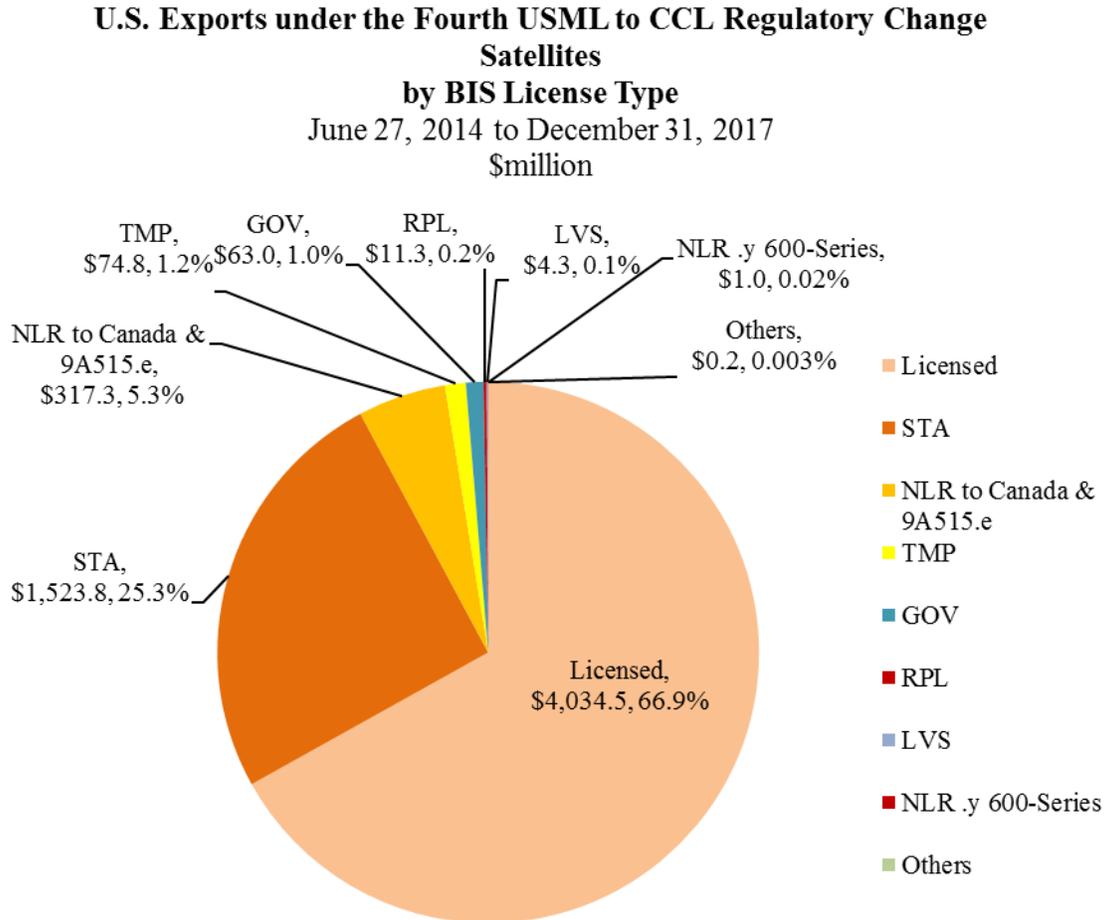


Source: Automated Export System, January 2018

The Fourth USML to CCL Regulatory Change-Satellite
Top 15 Destinations of U.S. Exports under BIS Jurisdiction by Value
 June 27, 2014 to December 31, 2017

Country	Shipment Count	% of Total Shipment Count	Value \$million	% of Total Value
French Guiana	52	0.5%	\$1,438.2	23.8%
France	1,303	12.6%	\$1,340.2	22.2%
Japan	1,368	13.2%	\$571.4	9.5%
Kazakhstan	4	0.0%	\$441.7	7.3%
Brazil	11	0.1%	\$331.9	5.5%
Mexico	50	0.5%	\$293.0	4.9%
Australia	115	1.1%	\$245.0	4.1%
Spain	913	8.8%	\$192.5	3.2%
Hong Kong	23	0.2%	\$165.9	2.8%
Panama	1	0.0%	\$131.6	2.2%
Bermuda	22	0.2%	\$128.7	2.1%
Germany	1,878	18.1%	\$116.7	1.9%
United Kingdom	986	9.5%	\$107.7	1.8%
Thailand	13	0.1%	\$80.9	1.3%
Bulgaria	12	0.1%	\$77.9	1.3%
Top 15 Total	6,751		\$5,663.3	
Top 15 Total/ Grand Total		65.1%		93.9%
Grand Total	10,370		\$6,030.3	
Note: The Guiana Space Center, run by France and European Union, is located in French Guiana.				
Source: Automated Export System, January 2018				

Of the \$6.0 billion in U.S. exports of 9x515 items in the fourth USML to CCL regulatory change under BIS jurisdiction from June 27, 2014 to December 31, 2017, licensed exports totaled \$4.0 billion (66.9% of the total); Strategic Trade Authorization (STA) totaled \$1.5 billion (25.3%); and No License Required (NLR) to Canada and 9A515.e items to all other destinations totaled \$317.3 million (5.3%).



Source: Automated Export System, January 2018

BIS License Exceptions:

STA: Strategic Trade Authorization

NLR: No License Required

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

GOV: Governments, international organizations, international inspections under the Chemical Weapons Convention and the International Space Station

RPL: Servicing and replacement of parts and equipment

LVS: Shipments of limited value