



## Summary

In 2020, **1.9%** of total *U.S. exports* were shipped to Singapore while **1.3%** of total *U.S. Imports* were delivered from Singapore. In 2020, U.S. exports to Singapore were \$27.1 billion, a 13.2% (\$4.1 billion) decrease from 2019; U.S. imports from Singapore were \$30.8 billion, a 16.8% (\$4.4 billion) increase; and the trade deficit was \$3.8 billion, a 177.9% (\$8.6 billion) increase.

In 2020, the most traded commodity sectors of U.S.-Singapore trade were Chemicals, Plastics and Leather products, Machinery and Mechanical Appliances, Transportation Equipment, Stone, Glass, & Semiprecious Metals, and Optical, Measuring, Medical or Other Instruments.

In 2020, \$254.5 million (0.9% of the total exports) was shipped under BIS licenses. The top ECCNs of licensed exports by value are similar to that in 2019. In 2020, the top ECCN was 9A610 for Military Aircraft and Related Commodities; the next two highest top two ECCNs were 9A619 for Military Gas Turbine Engines and Related Commodities and 3A233 for Mass Spectrometers; and the fourth ECCN was 2B230 for Pressure Transducers.

In 2020, \$552.2 million (2.0% of the total exports) was shipped under BIS license exception authorization. The top ECCNs by value are similar to that in 2019. In 2020, the top ECCNs were 5A002 for Information security systems, equipment and "components"; 2B350 for Chemical Manufacturing Facilities and Equipment; and the fourth ECCN was 3A001 for Electronic Components.

In 2020, BIS has processed a total of 770 license applications (not including deemed export applications) valued at \$5.1 billion for tangible items, software and technology for Singapore. BIS has approved 697, (90.5%) of the total applications valued at \$5.0 billion. RWA totaled 70 valued at \$25.1 million. There were 3 denials valued at \$9.7 million.

In 2020, BIS received 10 applications from Singapore nationals for deemed exports and approved 8. There were two RWA and no denials.

The top approved ECCNs are 9A610 for Military Aircraft and Related Commodities with 122 approvals; 2B350 for Chemical Manufacturing Facilities and Equipment with 89 approvals; 2B230 for Pressure Transducers with 53 approvals.

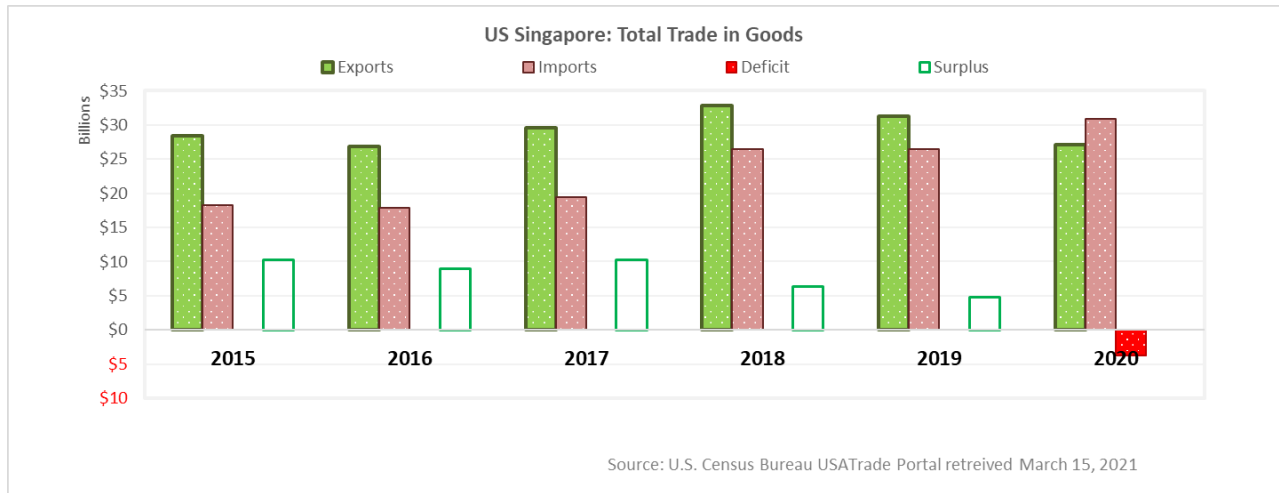
In 2020, the average processing time for Singapore was 19 days.



# US Trade with Singapore Overall Trends

## I. Total U.S. Trade in Goods with Singapore

In 2020, U.S. exports to Singapore totaled \$27.1 billion, a 13.2% (\$4.1 billion) decrease from 2019; U.S. imports from Singapore totaled \$30.8 billion, a 16.8% (\$4.4 billion) increase; and the trade deficit was \$3.8 billion, a 177.9% (\$8.6 billion) increase.



In 2020, **1.9%** of total *U.S. exports* were shipped to Singapore while **1.3%** of total *U.S. Imports* were delivered from Singapore. In 2020, the level of U.S. exports to Singapore did not exceed the prior five-year average level by value not adjusted for inflation. U.S. imports from Singapore are higher than the prior five-year average level by value not adjusted for inflation. The U.S. trade deficit with Singapore is higher than the prior five-year average level by value not adjusted for inflation.

|         | 2015       | 2016        | 2017       | 2018        | 2019        | 2020        | 2015-2019 Average |
|---------|------------|-------------|------------|-------------|-------------|-------------|-------------------|
| EXPORTS | \$28,480.8 | \$26,815.6  | \$29,649.1 | \$32,881.2  | \$31,217.8  | \$27,086.4  | \$29,808.9        |
| Δvalue  | --         | -\$1,665.3  | \$2,833.6  | \$3,232.0   | -\$1,663.4  | -\$4,131.4  |                   |
| Δpct    | --         | -5.8%       | 10.6%      | 10.9%       | -5.1%       | -13.2%      |                   |
| IMPORTS | \$18,272.0 | \$17,832.1  | \$19,367.4 | \$26,524.0  | \$26,398.2  | \$30,839.6  | \$21,678.8        |
| Δvalue  | --         | -\$439.9    | \$1,535.3  | \$7,156.6   | -\$125.8    | \$4,441.3   |                   |
| Δpct    | --         | -2.4%       | 8.6%       | 37.0%       | -0.5%       | 16.8%       |                   |
| BALANCE | \$10,208.8 | \$8,983.5   | \$10,281.8 | \$6,357.1   | \$4,819.5   | (\$3,753.2) | \$8,130.1         |
| Δvalue  | --         | (\$1,225.3) | \$1,298.3  | (\$3,924.6) | (\$1,537.6) | (\$8,572.7) |                   |
| Δpct    | --         | -12.0%      | 14.5%      | -38.2%      | -24.2%      | -177.9%     |                   |

Values in Millions of U.S. Dollars. Source: U.S. Census Bureau USATrade Portal March 15, 2021



# US Trade with Singapore Overall Trends

In 2020, of the \$27.1 billion in U.S. exports to Singapore, the top commodity sectors were Machinery & Mechanical Appliances (33.7%), Chemicals, Plastics, Leather Products (17.8%), and Transportation Equipment (13.8%).

In 2020, of the \$30.8 billion in U.S. imports from Singapore, the top commodity sectors were Chemicals, Plastics, Leather Products (22.5%), Machinery & Mechanical Appliances (22.4%), and Stone, Glass, & Semiprecious Metals (18.2%).

| Imports from Singapore by Sector | Singapore Commodity Trade 2020                                    | US exports to Singapore by Sector |
|----------------------------------|---|-----------------------------------|
| <b>\$30,839,567,801</b>          | <b>Total Value All Commodities</b>                                | <b>\$27,086,358,531</b>           |
| 10.6%                            | Agriculture (Chapters 01-24)                                      | 3.6%                              |
| 4.0%                             | Minerals (Chapters 25-27)   | 9.9%                              |
| 22.5%                            | Chemicals, Plastics, Leather Products (Chapters 28-43)            | 17.8%                             |
| 0.2%                             | Wood Products (Chapters 44-49)                                    | 0.4%                              |
| 0.1%                             | Textiles and Footwear (Chapters 50-67)                            | 0.3%                              |
| 18.2%                            | Stone, Glass, & Semiprecious Metals (Chapters 68-71)              | 2.8%                              |
| 0.4%                             | Base metals (Chapters 72-83)                                      | 2.0%                              |
| 22.4%                            | Machinery & Mechanical Appliances (Chapters 84-85)                | 33.7%                             |
| 0.4%                             | Transportation Equipment (Chapters 86-89)                         | 13.8%                             |
| 11.6%                            | Optical, Measuring, Medical or Other Instruments (Chapters 90-92) | 10.8%                             |
| 0.0%                             | Arms & Ammunition (Chapter 93)                                    | 0.0%                              |
| 0.1%                             | Miscellaneous Manufactured Items (Chapters 94 -96)                | 0.4%                              |
| 0.0%                             | Art & Antiques (Chapter 97)                                       | 0.1%                              |
| 9.5%                             | Special Items (Chapters 98-99** Imports only 99)                  | 4.1%                              |

Source: U.S. Census Bureau USA Trade Portal retrieved March 15, 2021

## Trade Deficit

In 2020, U.S. trade with Singapore experienced the first trade deficit in the last 5 years, due to a significant increase in Stone, Glass, & Semiprecious Metals imports. Imports rose from \$0.3 billion in 2019 to \$5.6 billion in 2020, an increase of \$5.3 Billion or 1,563%. Additionally, U.S. exported less Transportation commodities in 2020, from \$6.4 billion in 2019 to \$3.8 billion, a decrease of \$2.7 billion or 41.5%.



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

In 2020, 1.9% of the total U.S. exports of \$1.4 trillion to the World were shipped to Singapore and 1.3% of the total U.S. Imports of \$2.3 trillion were imported from Singapore.

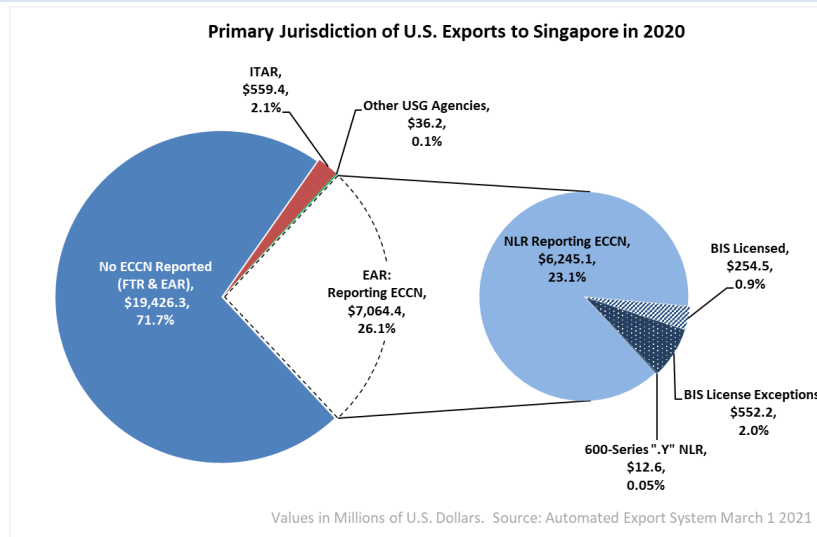
In 2020, of \$27.1 billion in U.S. exports to Singapore:

- 3.0% were subject to a BIS license requirement:
  - 0.9% were exported under a BIS license; Worldwide, 0.5% were exported under a BIS license.
  - 2.0% were exported under a BIS license exception; Worldwide, 1.0% were exported under a BIS license exception.
- 23.1% were exported under No License Required (NLR) with an ECCN; Worldwide, 10.7% were exported under NLR with an ECCN reported.
  - 0.05% were exported under NLR for 600-series .y subparagraph items; Worldwide, 0.02% were exported under NLR for 600-series .y subparagraph items.
  - 0.0001% were exported under NLR for 0A501 .y subparagraph Firearms items; Worldwide, 0.001% were exported under NLR for 0A501 .y subparagraph Firearms items.

| Singapore                     |            |            |            |
|-------------------------------|------------|------------|------------|
|                               | 2018       | 2019       | 2020       |
| Department of State           | \$522.7    | \$563.6    | \$559.4    |
| Other USG Agencies            | \$65.7     | \$66.6     | \$36.2     |
| Department of Commerce        | \$32,292.7 | \$30,587.5 | \$26,490.7 |
| BIS Licensed                  | \$160.3    | \$228.2    | \$254.5    |
| BIS License Exceptions        | \$634.3    | \$747.7    | \$552.2    |
| NLR reporting an ECCN         | \$9,730.9  | \$8,368.4  | \$6,245.1  |
| NLR not reporting an ECCN     | \$21,761.5 | \$21,231.7 | \$19,426.3 |
| 600-Series ".Y" Paragraph NLR | \$5.7      | \$11.5     | \$12.6     |
| YFA ".Y" Firearms             | \$0        | \$0        | \$0.04     |

Values in Millions of U.S. Dollars. Source: Automated Export System March 1, 2021

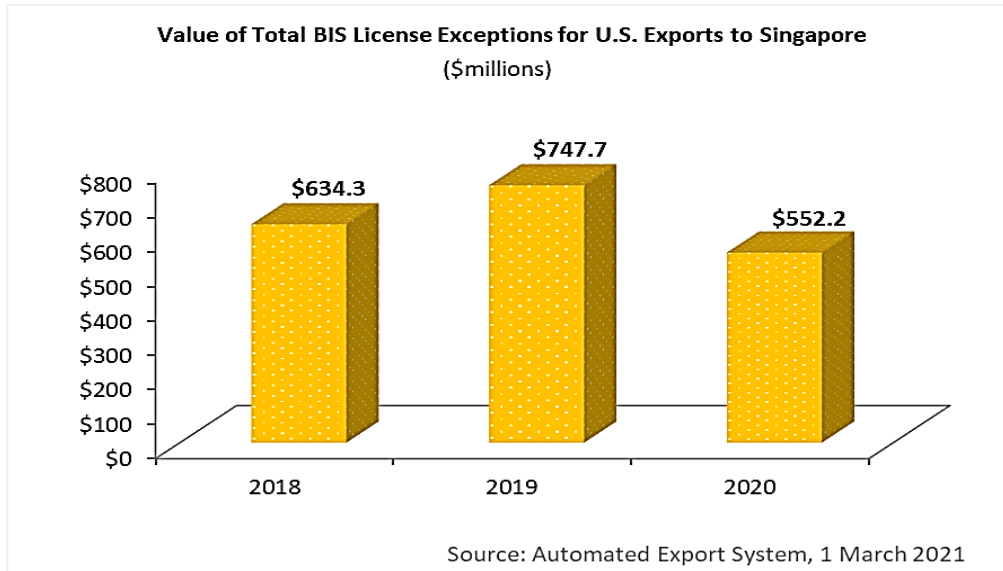
| Reasons for Control | Chemical and Biological Weapons |      |      | Nuclear Nonproliferation |      | National Security |      | Missile Tech | Regional Stability |      | Firearms Convention | Crime Control |      |      | Anti-Terrorism |      |
|---------------------|---------------------------------|------|------|--------------------------|------|-------------------|------|--------------|--------------------|------|---------------------|---------------|------|------|----------------|------|
|                     | 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              |      |



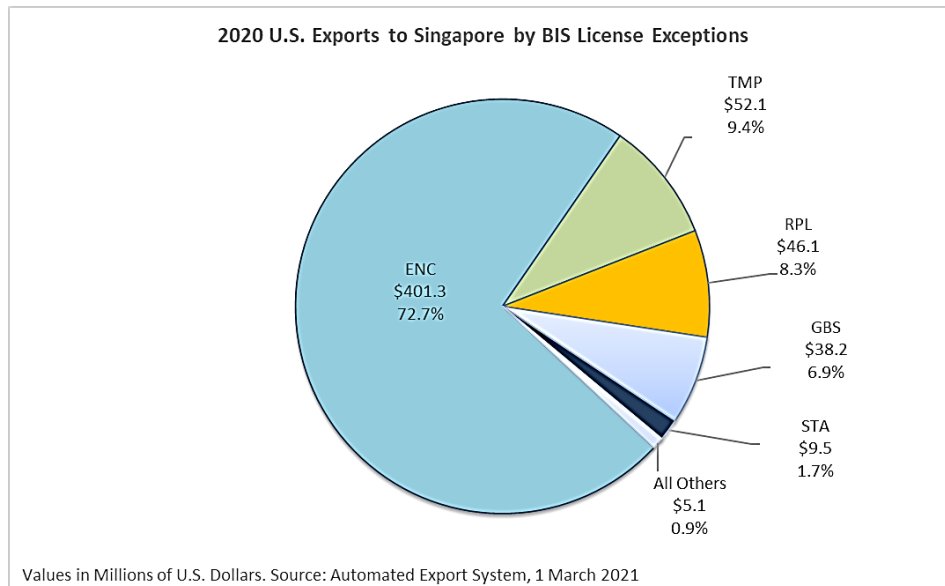


# U.S. to Singapore Export Trade Trends

In 2020, U.S. exports to Singapore shipped under a BIS license exception totaled \$552.2 million, a 26.1% (\$195.5 million) decrease from 2019.

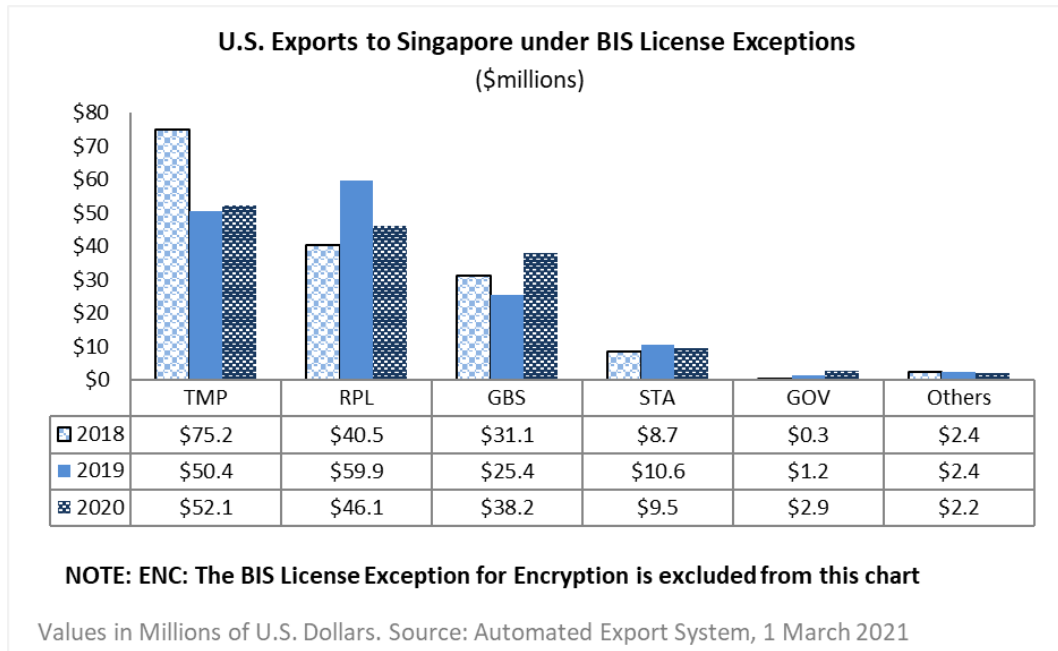
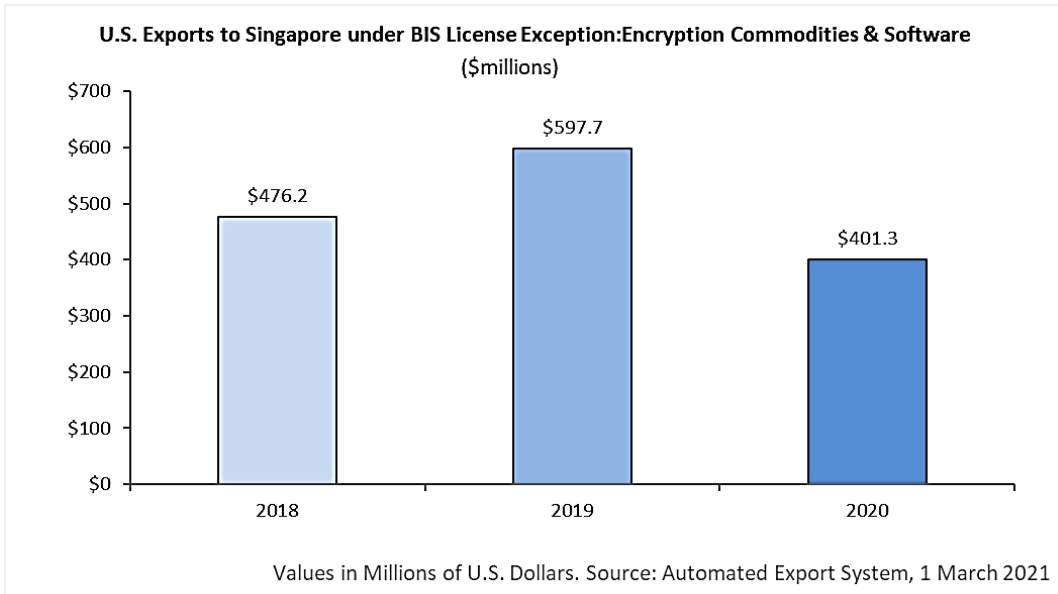


In 2020, the top license exception Encryption Commodities & Software (ENC) totaled \$401.3 million (72.7% of all license exceptions), followed by Temporary Imports, Exports, & Re-Exports (TMP) at \$52.1 million (9.4%), and Servicing & Replacement of Parts & Equipment (RPL) at \$ 46.1 million (8.3%).





# U.S. to Singapore Export Trade Trends





| 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  | 3A233 Mass Spectrometers                                   |
|  | #4  | 2B230 Pressure Transducers                                 |
|  | #5  | 3A611 Military Electronics                                 |
|  | #6  | 5A002 Systems/Equip./Integrated Circuits for Info Sec      |
|  | #7  | 2B352 Equip. for Handling Biological Materials             |
|  | #8  | 0A606 Ground Vehicles and Related Commodities              |
|  | #9  | 7A103 Instrumentation, Navigation Equip./Systems Not       |
|  | #10 | 7A002 Gyros and Angular Rate Sensors, ...                  |

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

| Top Ten ECCNs by Value to Singapore (\$millions) |     |  |
|--|-----|--|
| <b>EXCEPTIONS</b>                                | #1  | 5A002 Systems/Equip./Integrated Circuits for Info Sec                        |
|  | #2  | 2B350 Chemical Manufacturing Facilities and Equip.                           |
|  | #3  | 3A001 Electronic Components  |
|  | #4  | 9A619 Military Gas Turbine Engines and Related Commodities                   |
|  | #5  | 9A991 Aircraft N.E.S. and Gas Turbine Engines not Controlled by 9A001 or 9A1 |
|  | #6  | 9A610 Military Aircraft and Related Commodities                              |
|  | #7  | 1C008 Non-Fluorinated Polymeric Substances                                   |
|  | #8  | 3A611 Military Electronics   |
|  | #9  | EAR99 Items subject to the EAR that are not elsewhere controlled             |
|  | #10 | 7A103 Instrumentation, Navigation Equip./Systems Not                         |

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

| Top Ten ECCNs by Value to Singapore (\$millions) |     |  |
|--|-----|--|
| <b>NLR with ECCN</b>                             | #1  | 9A991 Aircraft N.E.S. and Gas Turbine Engines not Controlled by 9A001 or 9A1   |
|  | #2  | 3B991 Other Mfg/Test Equip. Not Controlled By 3B                               |
|  | #3  | 3A991 Electronic Devices and Components  |
|  | #4  | 5A992 Equipment not controlled by 5A002 (see List of Items Controlled).        |
|  | #5  | 5A991 Telecommunication Equip. Not Controlled by 5A001                         |
|  | #6  | 4A994 Computers Not Controlled By 4A001 or 4A003                               |
|  | #7  | 3B992 Equip. for the Inspection/Testing of Components not Controlled buy 3B0   |
|  | #8  | 7A994 Other Navigation Direction Finding Equip. ... Not Controlled under 7A003 |
|  | #9  | 3A999 Specific Processing Equip., N.E.S.                                       |
|  | #10 | 2B999 Specific Processing Equip., N.E.S.                                       |

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



| Top Ten ECCNs to Singapore by Shipment Count |     |  |
|--|-----|--|
| <b>LICENSED</b>                              | #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  | 7A103 Instrumentation, Navigation Equip./Systems Not       |
|  | #6  | 7A002 Gyros and Angular Rate Sensors, ...                  |
|  | #7  | 3A233 Mass Spectrometers                                   |
|  | #8  | 2A983 Explosives Or Detonator Detection Equip.             |
|  | #9  | 5A002 Systems/Equip./Integrated Circuits for Info Sec      |
|  | #10 | 0A606 Ground Vehicles and Related Commodities              |

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

| Top Ten ECCNs to Singapore by Shipment Count |     |  |
|--|-----|--|
| <b>EXCEPTIONS</b>                            | #1  | 5A002 Systems/Equip./Integrated Circuits for Info Sec                        |
|  | #2  | 9A619 Military Gas Turbine Engines and Related Commodities                   |
|  | #3  | EAR99 Items subject to the EAR that are not elsewhere controlled             |
|  | #4  | 3A001 Electronic Components  |
|  | #5  | 5D002 'Software' as follows (see List of Items Controlled)                   |
|  | #6  | 9A610 Military Aircraft and Related Commodities                              |
|  | #7  | 9A991 Aircraft N.E.S. and Gas Turbine Engines not Controlled by 9A001 or 9A1 |
|  | #8  | 1C008 Non-Fluorinated Polymeric Substances                                   |
|  | #9  | 3A611 Military Electronics   |
|  | #10 | 7A103 Instrumentation, Navigation Equip./Systems Not                         |

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

| Top Ten ECCNs to Singapore by Shipment Count |     |  |
|--|-----|--|
| <b>NLR with ECCN</b>                         | #1  | 9A991 Aircraft N.E.S. and Gas Turbine Engines not Controlled by 9A001 or 9A1   |
|  | #2  | 3B991 Other Mfg/Test Equip. Not Controlled By 3B                               |
|  | #3  | 5A992 Equipment not controlled by 5A002 (see List of Items Controlled).        |
|  | #4  | 5A991 Telecommunication Equip. Not Controlled by 5A001                         |
|  | #5  | 4A994 Computers Not Controlled By 4A001 or 4A003                               |
|  | #6  | 7A994 Other Navigation Direction Finding Equip. ... Not Controlled under 7A003 |
|  | #7  | 2B999 Specific Processing Equip., N.E.S.                                       |
|  | #8  | 3A991 Electronic Devices and Components  |
|  | #9  | 3B992 Equip. for the Inspection/Testing of Components not Controlled buy 3B0   |
|  | #10 | 3A999 Specific Processing Equip., N.E.S.                                       |

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

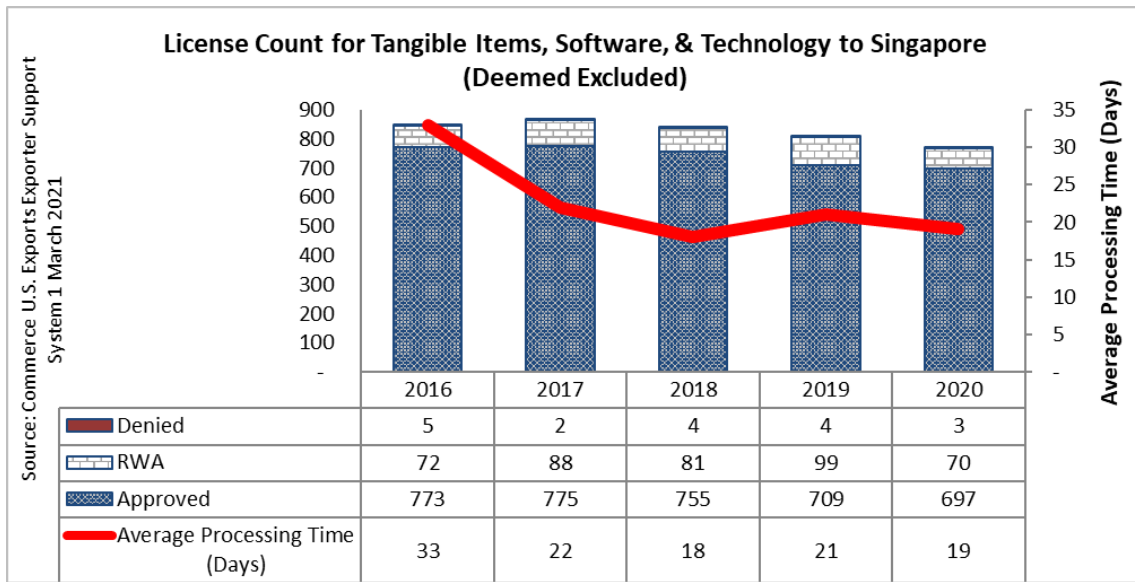




### III. BIS Licensing to Singapore

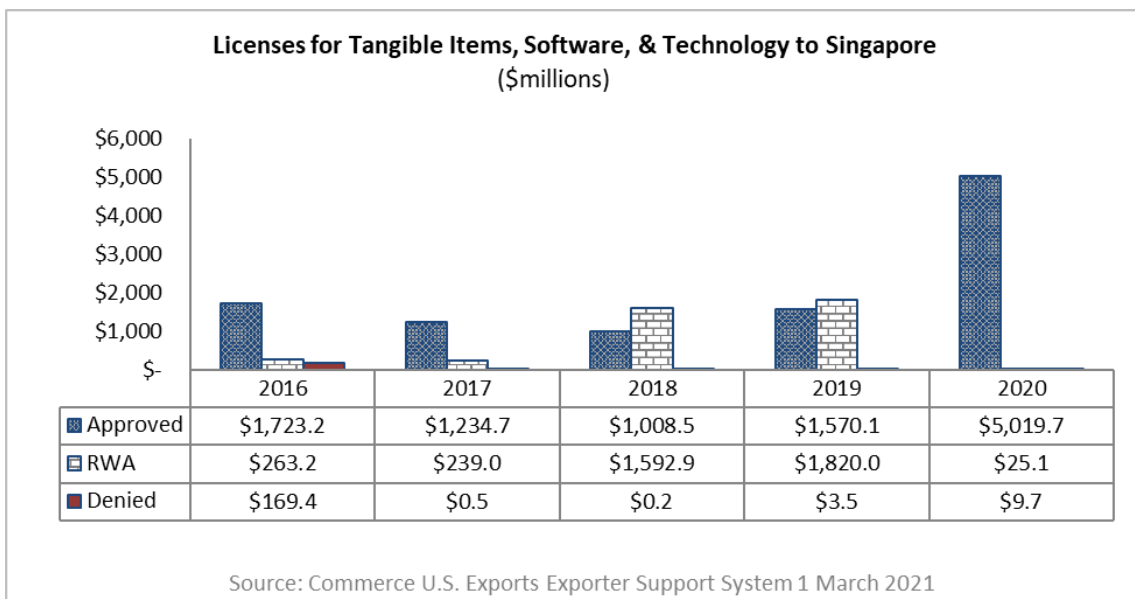
In 2020, BIS reviewed 770 export/re-export applications (not including deemed export applications) valued at \$5.1 billion for Singapore, out of a total of 38,203 applications worldwide for tangible items, software and technology valued at \$219.4 billion.

– Approved applications for Singapore totaled 697 (90.5% of the total applications) for \$5.0 billion, compared to 32,996 (86.4%) approved for all destinations valued at \$120.5 billion.



In 2020, BIS approved 8 applications (80.0% of the total applications) for Deemed Export from Singaporean nationals, compared to 1,068 (87.8%) approved for all destinations.

There were no denials for Deemed Export applications for Singaporean nationals.





| Top Ten Approved (with deemed) ECCNs to Singapore by Count |     |   | 2016 | 2017 | 2018 | 2019 | 2020 | % of World Total 2020 |
|--|-----|---|------|------|------|------|------|-----------------------|
| <b>APPROVED</b>  | #1  | <b>9A610</b> Military Aircraft and Related Commodities          | 164  | 135  | 134  | 151  | 122  | 2.4%                  |
|  | #2  | <b>2B350</b> Chemical Manufacturing Facilities and Equip.       | 131  | 125  | 128  | 89   | 89   | 4.2%                  |
|  | #3  | <b>2B230</b> Pressure Transducers                               | 55   | 37   | 49   | 41   | 53   | 16.9%                 |
|  | #4  | <b>1C351</b> Human and Animal Pathogens and toxins              | 35   | 27   | 35   | 20   | 28   | 3.1%                  |
|  | #5  | <b>3A001</b> Electronic Components                              | 12   | 16   | 17   | 24   | 28   | 2.3%                  |
|  | #6  | <b>6A003</b> Cameras  | 6    | 17   | 22   | 23   | 26   | 2.3%                  |
|  | #7  | <b>3A611</b> Military Electronics                               | 51   | 47   | 34   | 20   | 25   | 1.2%                  |
|  | #8  | <b>9A619</b> Military Gas Turbine Engines and Related Commodity | 16   | 22   | 28   | 26   | 25   | 2.4%                  |
|  | #9  | <b>5A002</b> Systems/Equip./Integrated Circuits for Info Sec    | 21   | 12   | 9    | 14   | 22   | 4.4%                  |
|  | #10 | <b>9E610</b> Technology Required for the Development, Productio | 19   | 15   | 14   | 24   | 18   | 1.4%                  |

Source: Commerce U.S. Exports Exporter Support System 20 March 2020

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

| All Three Denied (with deemed) ECCNs to Singapore by Count |    |  | 2020 | % of World Total 2020 |
|--|----|--|------|-----------------------|
| <b>Denied</b>  | #1 | <b>3A001</b> Electronic Components   | 1    | 3.2%                  |
|  | #2 | <b>5B991</b> Telecommunications Test Equip.  | 1    | 33.3%                 |
|  | #3 | <b>7E611</b> "Technology" "required" for the "development," "production," operatio | 1    | 100.0%                |

Source: Commerce U.S. Exports Exporter Support System 20 March 2020

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



# US Exports to Singapore Summary

| Summary of U.S. Exports to Singapore Calendar Year 2020                       |  |                  |                     |   |
|---|--|------------------|---------------------|---|
|   | CY2020                                 | CY2019           | % of Total Exports  | Percentage Change from previous year                          |
| Total Exports   | \$27,086,358,531                       | \$31,217,766,214 |                     | -13.2%  |
| Total Subject to ITAR   | \$559,434,356                          | \$563,605,745    | 2.1%                | -0.7%   |
| Subject to Other Gov. Agencies  | \$36,233,564                           | \$66,640,076     | 0.1%                | -45.6%  |
| Detailed Summary of EAR-Controlled Exports                                    |  |                  |                     |   |
| AES License Type  | Description                            | Value            | Percentage of Total | Percentage Description  |
| C30   | Licenses                               | \$254,495,927    | 100.0%              |   |
| VDC   | Voluntary Disclosure                   | \$0              |                     |   |
| <b>Total of Licensed</b>  |  | \$254,495,927    | <b>0.9%</b>         | total licensed/total exports                                  |
| C35   | LVS                                    | \$59,219         | 0.01%               |   |
| C36   | GBS                                    | \$38,156,578     | 6.9%                |   |
| C40   | TMP                                    | \$52,110,572     | 9.4%                |   |
| C41   | RPL                                    | \$46,079,100     | 8.3%                |   |
| C42   | GOV                                    | \$2,872,571      | 0.5%                |   |
| C43   | GFT                                    | \$7,772          | 0.001%              |   |
| C44   | TSU                                    | \$1,560,085      | 0.3%                |   |
| C46   | AVS                                    | \$422,463        | 0.1%                |   |
| C50   | ENC                                    | \$401,286,947    | 72.7%               |   |
| C53   | APP                                    | \$145,850        | 0.03%               |   |
| C59   | STA                                    | \$9,512,295      | 1.7%                |   |
| <b>Total of License Exceptions</b>  |  | \$552,213,452    | <b>2.0%</b>         | total license exceptions/total exports                        |
|   |  |                  | <b>68.5%</b>        | total license exceptions/total subject to license requirement |
| <b>Total subject to license requirement (Licensed and License Exceptions)</b> |  | \$806,709,379    | <b>3.0%</b>         | total subject to license requirement/total exports            |
| C33   | NLR reporting an ECCN                  | \$6,245,073,855  | 23.1%               | NLR reporting an ECCN/total exports                           |
| C60   | NLR for .y subparagraph 600-series     | \$12,575,857     | 0.05%               | NLR for .y subparagraph 600-series/total exports              |
| C63   | NLR for OA501 .y subparagraph Firearms | \$38,853         | 0.0001%             | NLR for OA501 .y subparagraph firearms/total exports          |
| <b>Total of NLR</b>   |  | \$6,257,688,565  | <b>23.1%</b>        | total NLR with an ECCN/total export                           |
| <b>Exports not reporting an ECCN</b>  |  | \$19,426,292,667 | <b>71.7%</b>        |   |

Source: U.S. Census Bureau, Foreign Trade Division and Automated Export System