**Part B: NOT Seasonally Adjusted**

## Exhibit 16a. Exports, Imports, and Balance of Advanced Technology Products by Technology Group and Selected Countries and Areas

In millions of dollars. Details may not equal totals due to rounding.

| Technology Group | 2012 | | | | | | | | | 2011 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | November | | | October | | | Year-to-Date | | | Year-to-Date | | |
| | Balance | Exports | Imports | Balance | Exports | Imports | Balance | Exports | Imports | Balance | Exports | Imports |
| **Total** | **-11,758** | **26,047** | **37,806** | **-10,064** | **26,055** | **36,119** | **-86,163** | **276,881** | **363,044** | **-91,830** | **260,602** | **352,432** |
| Advanced Materials | 10 | 169 | 159 | 3 | 178 | 175 | -30 | 1,937 | 1,967 | -36 | 2,020 | 2,055 |
| Aerospace (1) | 5,688 | 9,282 | 3,594 | 5,430 | 9,074 | 3,644 | 58,554 | 94,143 | 35,589 | 48,881 | 80,191 | 31,310 |
| Biotechnology | -140 | 701 | 841 | -4 | 1,048 | 1,053 | -1,350 | 9,038 | 10,388 | -2,681 | 8,230 | 10,911 |
| Electronics | 534 | 3,325 | 2,791 | 708 | 3,659 | 2,951 | 6,917 | 38,127 | 31,210 | 8,733 | 39,934 | 31,201 |
| Flexible Manufacturing | -121 | 849 | 969 | -306 | 974 | 1,280 | 122 | 12,788 | 12,666 | 42 | 13,013 | 12,970 |
| Information and Communications (1) | -14,197 | 8,225 | 22,422 | -12,333 | 7,943 | 20,276 | -117,159 | 83,375 | 200,534 | -112,953 | 81,176 | 194,129 |
| Life Science | -862 | 2,888 | 3,749 | -704 | 2,608 | 3,312 | -12,653 | 28,766 | 41,419 | -15,026 | 26,358 | 41,384 |
| Nuclear Technology | -466 | 67 | 534 | -411 | 75 | 485 | -2,266 | 1,677 | 3,942 | -2,015 | 1,787 | 3,802 |
| Opto-Electronics (1) | -2,261 | 390 | 2,650 | -2,478 | 361 | 2,839 | -19,707 | 4,702 | 24,409 | -18,277 | 5,533 | 23,811 |
| Weapons | 57 | 153 | 96 | 31 | 136 | 105 | 1,410 | 2,329 | 919 | 1,501 | 2,360 | 859 |

| Selected Countries and Areas | 2012 | | | | | | | | | 2011 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | November | | | October | | | Year-to-Date | | | Year-to-Date | | |
| | Balance | Exports | Imports | Balance | Exports | Imports | Balance | Exports | Imports | Balance | Exports | Imports |
| **Total** | **-11,758** | **26,047** | **37,806** | **-10,064** | **26,055** | **36,119** | **-86,163** | **276,881** | **363,044** | **-91,830** | **260,602** | **352,432** |
| North America | -281 | 5,416 | 5,697 | -278 | 5,568 | 5,846 | -1,751 | 56,763 | 58,514 | 1,075 | 57,043 | 55,968 |
| Canada | 1,354 | 2,571 | 1,216 | 1,344 | 2,489 | 1,145 | 13,553 | 26,166 | 12,612 | 15,606 | 27,803 | 12,197 |
| Mexico | -1,636 | 2,845 | 4,481 | -1,621 | 3,079 | 4,700 | -15,304 | 30,597 | 45,902 | -14,531 | 29,240 | 43,771 |
| European Union | -657 | 5,718 | 6,375 | -1,141 | 5,132 | 6,273 | -7,380 | 60,935 | 68,315 | -7,886 | 60,768 | 68,654 |
| France | 122 | 1,127 | 1,005 | -73 | 917 | 990 | -282 | 10,293 | 10,575 | -569 | 9,671 | 10,240 |
| Germany | -209 | 1,056 | 1,266 | -190 | 1,117 | 1,306 | -447 | 11,878 | 12,325 | 890 | 12,214 | 11,324 |
| Ireland | -1,475 | 125 | 1,600 | -1,284 | 119 | 1,403 | -15,766 | 2,033 | 17,799 | -17,507 | 2,092 | 19,599 |
| Italy | -39 | 314 | 353 | -193 | 176 | 369 | -637 | 2,974 | 3,611 | -501 | 2,559 | 3,060 |
| United Kingdom | 306 | 1,111 | 804 | 184 | 1,059 | 875 | 2,369 | 12,554 | 10,185 | 3,147 | 12,376 | 9,229 |
| Other EU | 638 | 1,985 | 1,346 | 414 | 1,744 | 1,330 | 7,383 | 21,203 | 13,820 | 6,654 | 21,856 | 15,201 |
| Pacific Rim Countries | -14,606 | 8,067 | 22,673 | -12,840 | 8,346 | 21,186 | -112,526 | 92,785 | 205,311 | -114,263 | 86,763 | 201,026 |
| Australia | 403 | 498 | 95 | 428 | 521 | 93 | 3,993 | 5,021 | 1,028 | 3,411 | 4,481 | 1,070 |
| China | -14,251 | 1,609 | 15,860 | -11,951 | 1,810 | 13,761 | -108,747 | 19,896 | 128,643 | -99,689 | 18,166 | 117,855 |
| Indonesia | 32 | 120 | 88 | 53 | 170 | 117 | 634 | 1,598 | 964 | -30 | 1,213 | 1,243 |
| Japan | -476 | 1,394 | 1,870 | -692 | 1,511 | 2,203 | -5,178 | 17,759 | 22,936 | -8,996 | 14,381 | 23,378 |
| Malaysia | -545 | 614 | 1,158 | -721 | 640 | 1,361 | -6,932 | 6,460 | 13,392 | -5,477 | 7,418 | 12,896 |
| Philippines | 150 | 408 | 258 | -13 | 279 | 292 | -99 | 3,199 | 3,298 | 224 | 3,084 | 2,860 |
| Newly Industrialized Countries (NICS) | 27 | 3,355 | 3,328 | 0 | 3,344 | 3,345 | 3,088 | 37,979 | 34,891 | -4,981 | 36,578 | 41,560 |
| Hong Kong | 634 | 696 | 63 | 817 | 886 | 70 | 8,759 | 9,373 | 615 | 8,458 | 9,031 | 573 |
| Korea | -429 | 846 | 1,275 | -126 | 1,091 | 1,217 | -798 | 12,014 | 12,811 | -5,933 | 10,220 | 16,152 |
| Singapore | 649 | 1,205 | 556 | 73 | 727 | 654 | 1,265 | 8,807 | 7,542 | 1,910 | 9,377 | 7,467 |
| Taiwan | -826 | 607 | 1,434 | -764 | 640 | 1,404 | -6,138 | 7,784 | 13,923 | -9,416 | 7,950 | 17,366 |
| Other Pacific Rim | 53 | 69 | 15 | 56 | 71 | 15 | 714 | 873 | 159 | 1,275 | 1,441 | 166 |
| South/Central America | 1,811 | 2,734 | 923 | 2,264 | 3,127 | 863 | 19,421 | 28,908 | 9,486 | 17,559 | 25,423 | 7,864 |
| Brazil | 1,018 | 1,114 | 96 | 1,213 | 1,353 | 140 | 10,656 | 11,606 | 950 | 9,916 | 10,751 | 835 |
| Other S/C America | 793 | 1,620 | 827 | 1,052 | 1,775 | 723 | 8,765 | 17,302 | 8,536 | 7,642 | 14,671 | 7,029 |
| Other Countries | 1,975 | 4,114 | 2,138 | 1,931 | 3,883 | 1,952 | 16,073 | 37,491 | 21,418 | 11,685 | 30,605 | 18,920 |
| India | 107 | 222 | 115 | 278 | 392 | 114 | 1,388 | 2,792 | 1,404 | 1,159 | 2,509 | 1,350 |
| Israel | -40 | 243 | 283 | 89 | 316 | 227 | 458 | 3,216 | 2,758 | -35 | 2,491 | 2,526 |
| Thailand | -564 | 239 | 803 | -460 | 409 | 869 | -5,740 | 2,923 | 8,663 | -4,746 | 2,701 | 7,447 |
| Other | 2,472 | 3,410 | 938 | 2,025 | 2,766 | 741 | 19,966 | 28,560 | 8,593 | 15,307 | 22,905 | 7,597 |

(1) Due to non-disclosure requirements, certain 10-digit Schedule B commodity classifications are subject to suppression and require a change in aggregation. As a result, Advanced Technology Product exports are overstated by $470 million in November 2012. For additional information see www.census.gov/ft900.

NOTES:
* Data not available on a BOP basis. For information on data sources, nonsampling errors and definitions, see the information section on page A-1 of this release, or at www.census.gov/ft900 or www.bea.gov/newsreleases/international/trade/tradnewsrelease.htm