



**Australian Government**  
**Department of Foreign Affairs and Trade**

# Composition of Trade Australia 2018







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# COMPOSITION OF TRADE AUSTRALIA 2018

Statistics Section  
Office of Economic Analysis  
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  - Australia's exports and imports by all economies, all State and Territories and selected groups by DFAT's Trade Import and Export Classification (TRIEC) at the 1-, 2-, 3- and 4-digit levels.
  - Australia's merchandise exports and imports at the most detailed level available by AHECC at the 8-digit level and HTISC at the 10-digit level – commodity detail only.

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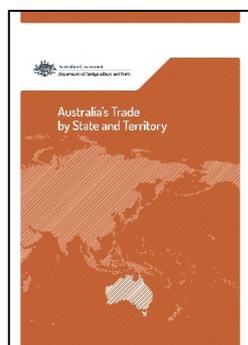
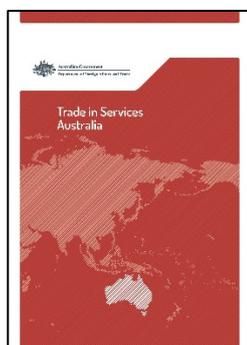
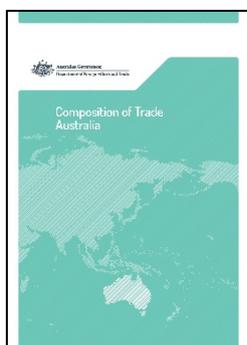
Releases in the series include:

[Composition of Trade Australia](#) – biannual on a calendar and financial year basis;

[Trade in Services Australia](#) – biannual on a calendar and financial year basis;

[Australia’s trade by State and Territory](#) – annual on a financial year basis;

[International Investment Australia](#) – annual on a calendar year basis.



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# INTRODUCTION

*Composition of Trade, Australia* concentrates on the major trends in Australia's trade statistics, looking at trends in goods and services (on a balance of payments basis) and merchandise trade (on a recorded trade basis), including trade data by DFAT's own trade classification - [Trade Import Export Classification \(TRIEC\)](#) and the United Nations' [Standard International Trade Classification \(SITC\)](#).

The publication is divided into two major segments:

## **Australia's trade on a balance of payments basis**

**Section 1** provides summary data on Australia's goods and services showing current price values, chain volume measures, movements in export and import prices and the terms of trade.

**Section 2** shows the direction of Australia's trade in goods and services to selected economies and regions, including Australia's rank in world goods and services exports and imports.

**Section 3** presents Australia's composition of services trade by type of activity and the direction of services trade to selected economies and regions.

## **Australia's merchandise trade on a recorded trade basis**

**Section 4** details Australia's merchandise trade by broad category and level of processing, including data on Australian produced exports.

**Section 5** provides commodity rankings for Australia's major merchandise exports and imports.

**Section 6** shows the direction of Australia's merchandise trade by economy by rank and selected groups.

**Section 7** gives a detailed commodity breakdown of Australia's top 25 trading partners by the top 20 merchandise exports and imports as well as by selected regions and economies (e.g. APEC, Europe).

This publication is designed to be used in conjunction with DFAT's trade data products available on the DFAT website which includes more detail by all economies and longer time series.

The website contains the following products.

- [Three MS Excel time series spreadsheets covering](#)
  - Australia's trade in goods and services by all economies and selected economy groups;
  - Australia's trade and economic indicators – historical data; and
  - Australia's direction of merchandise trade – historical data.
- [Three MS Excel Pivot tables](#)
  - Australia's merchandise exports and imports with all economies, all State and Territories and selected groups by SITC at the 3-digit level;
  - Australia's merchandise exports and imports with all economies, all State and Territories and selected groups by DFAT's TRIEC at the 1-, 2-, 3- and 4-digit levels; and
  - Australia's merchandise exports and imports at the most detailed level available by AHECC at the 8-digit level and HTISC at the 10-digit level – commodity detail only.

# AUSTRALIA'S TRADE: KEY POINTS, 2018

## Australia's trade in goods and services

In 2018, the value of Australia's exports of goods and services rose 13.2 per cent to \$438.1 billion. Rises occurred in *Minerals & fuels*, *Manufactures*, *Gold* and *Services* while *Rural goods* decreased. Australia's export volumes rose 4.9 per cent in 2018, with volumes of *Minerals & fuels* up 8.7 per cent, *Services* up 7.2 per cent, *Gold* up 6.8 per cent and *Manufactures* up 6.0 per cent. *Rural goods* fell 9.2 per cent.

The value of Australia's imports of goods and services grew 9.9 per cent to \$415.0 billion in 2018. *Intermediate & other goods*, *Gold*, *Services*, *Capital goods* and *Consumption goods* all rose during the year. Import volumes increased 4.1 per cent with *Gold* up 13.5 per cent, *Capital goods* up 5.4 per cent, *Intermediate & other goods* up 4.8 per cent, *Services* up 4.1 per cent and *Consumption goods* up 1.9 per cent.

In 2018, Australia's terms of trade<sup>1</sup> rose 2.2 per cent; export prices rose 8.0 per cent and import prices up 5.6 per cent.

## Australia's direction of trade

China was Australia's largest individual two-way goods and services trading partner in 2018, accounting for 25.2 per cent (\$214.6 billion) of total trade. Japan was the second largest trading partner accounting for 10.1 per cent (\$85.8 billion) followed by the United States, accounting for 8.7 per cent (\$73.9 billion).

China was Australia's largest export destination (valued at \$136.3 billion) and import source (valued at \$78.3 billion).

APEC members accounted for 72.8 per cent of Australia's total trade; ASEAN members accounted for 14.2 per cent; members of the European Union 28 accounted for 12.8 per cent; OECD countries accounted for 42.5 per cent, G20 members accounted for 70.0 per cent and Oceania & Antarctica accounted for 4.8 per cent.

## Australia's composition of trade

In 2018, Australia's top five goods and services exports were: *Coal* (\$66.9 billion); *Iron ore & concentrates* (\$63.3 billion); *Natural gas* (\$43.3 billion); *Education-related travel services* – which includes foreign student expenditure on tuition fees and living expenses in Australia – (\$35.2 billion) and *Personal travel (excl education) services* – which includes short term visitors' expenditure in Australia mainly for recreational purposes – (\$22.2 billion).

Australia's top five goods and services imports in 2018 were: *Personal travel (excl education) services* – which includes Australian short term visitors' expenditure abroad mainly for recreational purposes – (\$44.8 billion); *Refined petroleum* (\$25.3 billion); *Passenger motor vehicles* (\$22.4 billion); *Telecommunication equipment & parts* (\$14.4 billion) and *Crude petroleum* (\$13.8 billion).

<sup>1</sup> The terms of trade are calculated as the ratio of the prices we receive for our exports to the prices we pay for our imports.

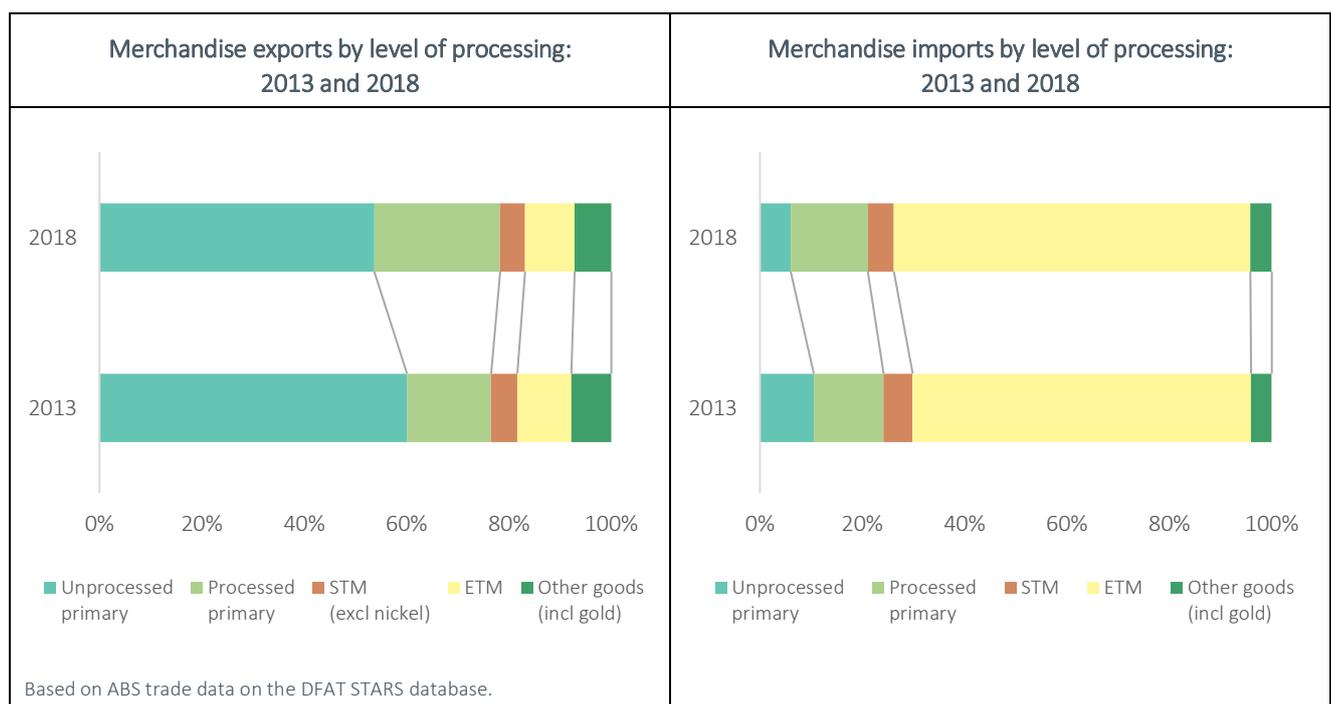
# AUSTRALIA'S MERCHANDISE TRADE BY LEVEL OF PROCESSING

## Exports

In 2018, exports of *Unprocessed primary products* increased 8.0 per cent to \$184.9 billion and *Processed primary products* rose 37.3 per cent to \$84.8 billion (driven by increased exports of LNG).

Exports of *Manufactured products* rose 11.6 per cent to \$50.1 billion, with both *Simply transformed manufactures (STM) (excl nickel)* and *Elaborately transformed manufactures (ETM)* exports rising 16.2 per cent to \$16.7 billion and 9.5 per cent to \$33.4 billion respectively.

*Other goods (mainly Gold and confidential trade items)* exports increased 5.1 per cent to \$24.7 billion.



## Imports

In 2018, imports of *Unprocessed primary products* rose 31.3 per cent to \$18.3 billion (driven by imports of crude and refined petroleum) and *Processed primary products* increased 21.4 per cent to \$45.8 billion.

Imports of *Manufactured products* rose 1.2 per cent to \$227.4 billion, with *STM* imports increasing 2.9 per cent to \$15.5 billion and *ETM* imports rising 1.1 per cent to \$211.9 billion.

*Other goods (mainly Gold and Confidential items of trade)* increased 6.5 per cent to \$12.7 billion.

# COMMODITY FORECASTS

The Australian Bureau of Agricultural and Resource Economics and Sciences (ABARES) and the Department of Industry, Innovation and Science (DIIS) have forecast the value of Australia's commodity exports to rise 2.2 per cent in 2019-20. See *Table A* for more details.

Table A: Forecasts for major commodity exports

	2017-18 \$m	2018-19 \$m	2019-20 \$m	2017-18 to 2018-19 % change	2018-19 to 2019-20 % change
		Estimate	Forecast		
<b>Agricultural &amp; fisheries (a)</b>					
Wheat	4,672	3,601	4,454	-22.9	23.7
Wine	2,831	2,874	3,179	1.5	10.6
Beef & veal	7,963	9,084	7,705	14.1	-15.2
Wool (b)	4,380	4,251	3,778	-3.0	-11.1
<b>Total agricultural &amp; fisheries exports</b>	<b>54,161</b>	<b>53,109</b>	<b>51,112</b>	<b>-1.9</b>	<b>-3.8</b>
<b>Resources &amp; energy (c)</b>					
<i>Metalliferous minerals &amp; metals</i>					
Aluminium	13,740	15,602	13,502	13.6	-13.5
Primary aluminium	4,013	3,958	3,445	-1.4	-13.0
Alumina	8,537	10,285	8,600	20.5	-16.4
Bauxite	1,190	1,359	1,457	14.2	7.2
Copper	8,451	9,511	11,221	12.5	18.0
Gold	18,888	18,853	22,048	-0.2	16.9
Iron ores	61,392	75,233	79,266	22.5	5.4
Nickel (d)	3,701	3,500	4,621	-5.4	32.0
Zinc	3,973	4,171	3,954	5.0	-5.2
<i>Energy</i>					
Crude petroleum	6,958	9,288	11,984	33.5	29.0
LNG	30,907	49,738	53,623	60.9	7.8
Coal	60,379	67,677	60,691	12.1	-10.3
Metallurgical	37,793	42,045	39,498	11.3	-6.1
Thermal	22,586	25,632	21,193	13.5	-17.3
<b>Total resources &amp; energy exports</b>	<b>228,027</b>	<b>275,294</b>	<b>284,588</b>	<b>20.7</b>	<b>3.4</b>
<b>Total commodity exports (b) (d)</b>	<b>282,188</b>	<b>328,403</b>	<b>335,700</b>	<b>16.4</b>	<b>2.2</b>

(a) Based on ABARES commodity groups for agricultural and fisheries products. (b) Balance of payments basis. (c) Based on DIIS commodity groups for resources and energy. (d) ABARES and DIIS estimates.

Sources: ABARES Agricultural commodities, June quarter 2019 and DIIS Resources & Energy, June quarter 2019.

# AUSTRALIA'S IMPORTS OF AIRCRAFT & PARTS – UPDATE FOR 2018

## Introduction

This article updates analysis on the impact of confidentiality in Australia Bureau of Statistics (ABS) international merchandise trade statistics on imports of aircraft and parts. To avoid divulging commercially-sensitive details of individual firms, the ABS restricts release of statistics on certain commodities. These restrictions have led to the partial restriction of data released for imports of SITC code 792 - *Aircraft, spacecraft & related parts* in ABS reported data.

The following data are estimates of those imports, drawing on publicly available information including data from the countries where these imports are sourced. The methodology behind these estimates is laid out on page 10.

## Estimates of imports of aircraft and related parts in 2018

**Table 1** shows estimates of Australia's imports of *Aircraft, spacecraft & related parts*. Australia's imports of *Aircraft, spacecraft & related parts* fell 7.6 per cent (or \$340 million) to \$4.1 billion in 2018, making it Australia's 19th largest import (in terms of goods and services). In 2018, Australian imported aircraft valued at \$2.5 billion, helicopters valued at \$310 million and parts for aircraft & helicopters valued at \$1.1 billion.

**Table 1: Imports of Aircraft, spacecraft & parts (SITC 792) by type (A\$ million)**

	2016	2017	2018	% share 2018	% growth 2017 to 2018
Aircraft	1,204	2,710	2,527	61.5	-6.8
Helicopters	1,460	419	310	7.5	-26.1
Parts of aircraft & helicopters	1,122	1,086	1,147	27.9	5.6
Other	128	230	122	3.0	-47.2
<b>Total Aircraft, spacecraft &amp; parts</b>	<b>3,915</b>	<b>4,446</b>	<b>4,106</b>	<b>100.0</b>	<b>-7.6</b>

Based on ABS & UN merchandise trade data on DFAT STARS database and Global Trade Atlas.

**Table 2** shows imports of *Aircraft, spacecraft & related parts* by Australia's major sources. In 2018, Australia's top source for these imports was the United States valued at \$3.0 billion, down 5.5 per cent (or \$174 million).

Following the United States, Switzerland was the second largest source with imports up \$93 million to \$225 million, Italy, with imports up \$108 million to \$214 million, was the third largest source and France with imports down \$61 million to \$146 million the fourth largest source.

Table 2: Imports of Aircraft, spacecraft & parts (SITC 792) for selected countries  
(A\$ million)

	2016	2017	2018	% share 2018	% growth
					2017 to 2018
Canada	84	103	103	2.5	0.0
France	182	207	146	3.6	-29.4
Germany	309	105	105	2.6	0.0
Italy	342	106	214	5.2	101.5
Netherlands	22	195	20	0.5	-89.6
New Zealand	39	70	12	0.3	-82.2
Portugal	0	52	0	0.0	-99.9
Spain	12	231	5	0.1	-97.7
Switzerland	27	132	225	5.5	70.5
United Kingdom	157	61	94	2.3	53.8
United States (a)	2,523	3,155	2,981	72.6	-5.5
<b>Total</b>	<b>3,915</b>	<b>4,446</b>	<b>4,106</b>	<b>100.0</b>	<b>-7.6</b>
of which:					
<i>European Union 28</i>	<i>1,083</i>	<i>803</i>	<i>586</i>	<i>14.3</i>	<i>-27.1</i>

(a) Excludes imports of some military aircraft from Sep-2008 onwards which cannot be separately identified in US merchandise trade.

Based on ABS & UN merchandise trade data on DFAT STARS database and Global Trade Atlas.

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# METHODOLOGY FOR ESTIMATING AIRCRAFT & PARTS IMPORTS

## Background

The ABS has a legal obligation to confidentialise data from an individual or organisation that is identifiable if that individual or organisation has requested that the data be suppressed. These restrictions affect the level of detailed merchandise trade data that is potentially available for release.

The ABS publishes monthly a list of merchandise trade commodities with confidential restrictions in its publication *International Merchandise Trade: Confidential Commodities List* (ABS catalogue 5372.0.55.0.01). More detail on how the ABS applies confidentiality in merchandise trade statistics is available in the ABS information paper *International Trade - Request to Confidentialise data* (ABS catalogue 5497.0.55.001). These products are available on the ABS website at [www.abs.gov.au](http://www.abs.gov.au).

## Impact of confidentiality on imports of aircraft & parts

From September 2008, the ABS made select Harmonised Tariff Item Statistical Classification (HTISC) codes confidential that make up most of the SITC code Aircraft, spacecraft & parts. These codes have the restriction applied of no commodity details. No data relating to these HTISC are released by the ABS.

**Table A** lists the ABS confidentiality restrictions applied to these aircraft codes and the dates when they were in effect.

**Table A: SITC 792 - Aircraft, spacecraft & parts**

### Confidential codes

HTISC	From	To	Description
8802.11	Dec-08	Jun-15	Helicopters of an unladen weight not exceeding 2,000 kg
8802.12	Dec-08	Aug-15	Helicopters of an unladen weight exceeding 2,000 kg
8802.30	Dec-08	Jun-15	Aeroplanes and other aircraft (excl helicopters) of an unladen weight exceeding 2,000 kg but not exceeding 15,000 kg
8802.40	Sep-08		Aeroplanes and other aircraft (excl helicopters) of an unladen weight exceeding 15,000 kg
8803.30	Dec-08	Aug-15	Parts of aeroplanes or helicopters (excl propellers, rotors and undercarriages and parts thereof)

### Non-confidential codes

HTISC	Description
8802.20	Aeroplanes and other aircraft (excl helicopters) of an unladen weight not exceeding 2,000 kg
8802.60	Spacecraft
8801.00	Balloons and dirigibles, gliders and other non-powered aircraft
8803.10	Propellers and rotor parts
8803.20	Undercarriages and parts
8803.90	Other

## Alternative sources of information

By using partner country export data or mirror statistics (e.g. United States exports of aircraft & parts to Australia) it is possible to get an idea of the size of Australia's imports of the confidential aircraft & parts codes. This partner country data was then summed with the non-confidential codes in the ABS trade data to produce an estimate of imports of aircraft & parts for Australia.

## Quality of these estimates

The reader should note the above analysis provides only an estimate of the actual value of Australian aircraft & parts imports. These estimates have a number of data quality issues:

- Firstly, not all of Australia's export partners publish their own export trade data (for example only limited data is available for Middle East countries) and therefore some Australian confidential aircraft & parts imports may not have been included. As Australia's major trading partners were covered in the calculation this should only have a small impact on the above estimates.
- Timing differences will also impact on the quality of the estimates, given the long distances to some of Australia's major trading partners.
  - For example a good that is imported and recorded in ABS trade statistics in January 2018 could be exported and recorded in partner country trade data in December 2017 due to the time it takes to ship the good to that country. As a result this good is recorded in ABS trade statistics in calendar year 2018, while in the partner country data it will be recorded in 2017. This will impact more on aircraft parts than aircraft themselves as the time to fly the aircraft to Australia is within 24 hours. However part of the partner country data may be allocated to the incorrect time period.
- It is possible that in partner country export statistics the final country of destination for these goods are incorrect (it may be shipped through a third party country). This is unlikely for shipments of bulk goods, such as aircraft. However for aircraft parts this may be more of an issue, especially for trading hubs such as Singapore. To minimise this issue only Singapore-produced goods were included in these estimates
- A particular problem in using this type of analysis to estimate the imports of aircraft into Australia is to exclude imports of aircraft on an operational lease (which the ABS excludes from Australian import statistics). To try to overcome this issue the Civil Aviation Safety Authority's civil aircraft register has been used to try and identify imports of leased aircraft so as to exclude these aircraft in partner country export data.
- In 2009, both the United Kingdom and the United States confidentialised aircraft exports to a degree. For the United States, the lower level of confidentiality still enabled the analysis of United States export data and ABS import data to produce an estimate of the value of imports of civil aircraft from the United States (it excludes some US military aircraft, which could not be separately identified in US merchandise trade statistics). However, the higher degree of confidentiality in the United Kingdom export statistics prevented the estimation of aircraft imports from the United Kingdom. As a result, the estimation of Australian aircraft imports from 2008 to 2012 excludes imports from the United Kingdom.

# IMPACT OF ABS CONFIDENTIAL RESTRICTIONS ON EXPORTS OF NICKEL – UPDATE FOR 2018

## Introduction

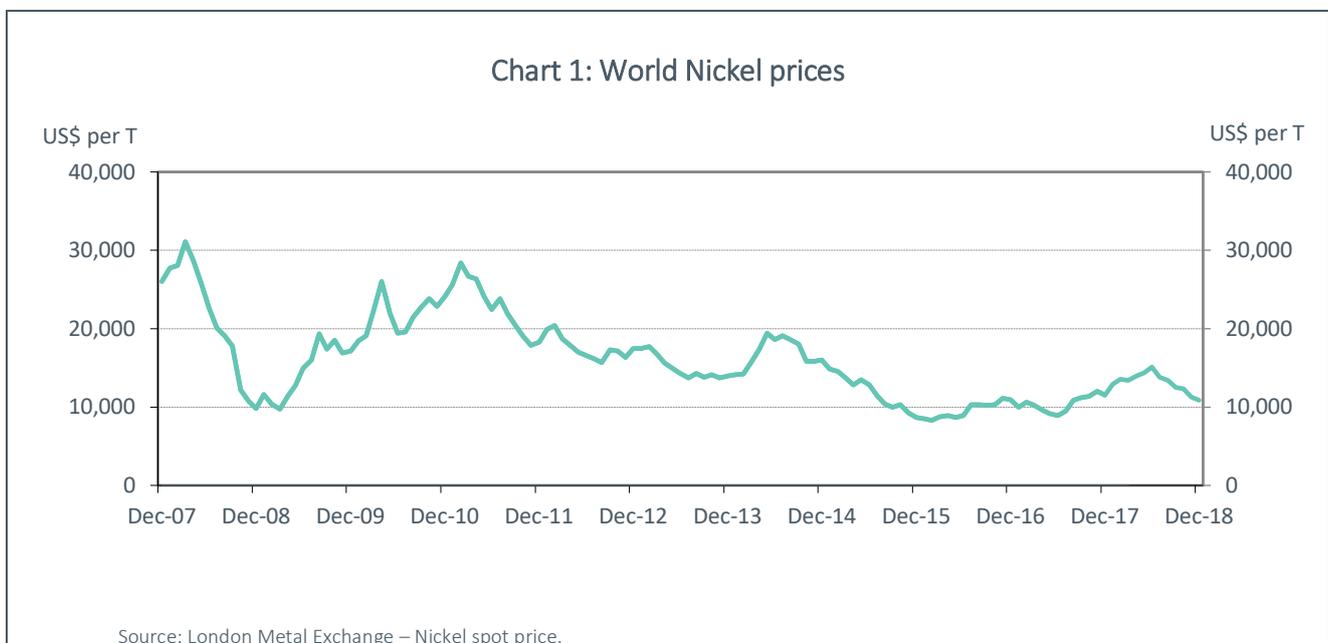
This article updates analysis of the impact of confidentiality restrictions in Australian Bureau of Statistics (ABS) international merchandise trade statistics on exports of Australian nickel products. These restrictions have led to some significant distortions in the time series for exports of nickel products and by extension, *Simply transformed manufactures (STM)*.

The methodology used to calculate Australian *Nickel* and *STM* exports using both ABS reported and partner country data for 2018 is laid out on page 14.

## Trends in Australian Nickel exports in 2018

Based on ABS reported and partner country data, DFAT estimates that Australian exports of *Nickel* rose by 57.8 per cent (or \$1.6 billion) to \$4.3 billion in 2018. This followed a rise of 13.9 per cent (or \$337 million) to \$2.7 billion in 2017.

The world *Nickel* price in 2018 rose to a yearly average of US\$13,114 per tonne – see **Chart 1**. World Nickel prices surged in the first half of 2018 on the back of increased stainless steel production but have since abated somewhat due to the announcement of several large new nickel projects overseas.



In the 2018-19 financial year (Department of Industry, Innovation & Science) forecast, Australian nickel mine production to rise by 3.1 per cent while Australian refined and intermediate-use nickel production will rise 2.2 per cent.<sup>2</sup>

<sup>2</sup> Department of Industry, Resources and Energy report, December qtr 2018 and March qtr 2019

The rises in both Australian production and average world prices, contributed to the increase in Australian *Nickel* exports in 2018. Within *Nickel* the major export components recording rises included:

- *Nickel & nickel alloys unworked*, which rose 55.3 per cent (or \$1.2 billion) to \$3.3 billion
- *Nickel powders & flakes*, which rose 280.8 per cent (or \$279 million) to \$378 million.

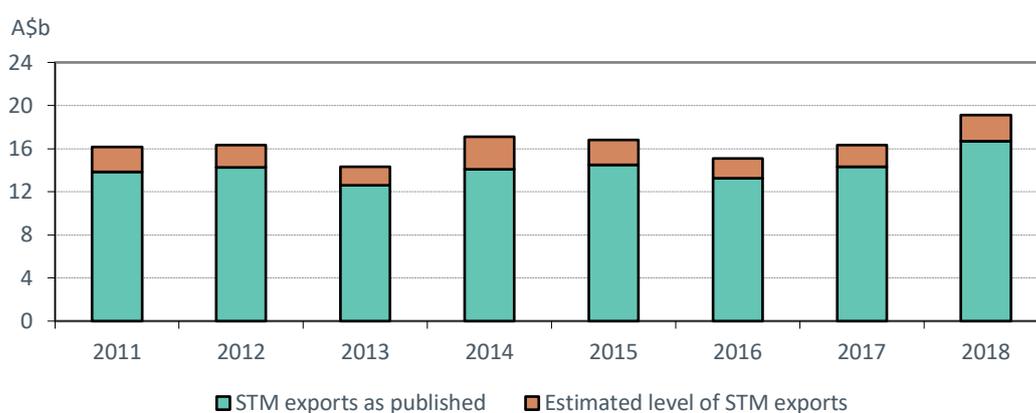
These rises were partly offset by *Nickel ores & concentrates*, which fell 0.9 per cent (or \$3 million) to \$277 million.

## Impact of confidential Nickel exports on Australian STM exports in 2018

The large value of confidential *Nickel* exports in ABS trade statistics has meant that the total value of Australian *STM* exports has been understated since February 2003 in ABS reported data. From July 2018, *Unwrought Nickel alloys, not alloyed* will be included in ABS data at the Australia total level only as the confidential restriction has been eased from 'No commodity details' to 'No country details'. The total value of *Primary products* exports is also affected, but to a lesser extent.

DFAT estimated the level of Australian *STM* exports (including confidential *Nickel*) was valued at \$19.1 billion in 2018 (compared to \$16.7 billion using *STM* exports compiled from ABS reported data alone). *STM* exports were therefore under-reported by around 15 per cent in 2018 – see **Chart 2**.

Chart 2: STM exports as compiled from ABS data vs DFAT estimated level of STM exports



Sources: ABS trade data on DFAT STARS database, Global Trade Atlas and UN Comtrade data.

When comparing the growth rates of *STM* exports in 2018, ABS data shows a rise of 16.4 per cent, while, based on DFAT estimates *STM* exports rose by 16.3 per cent.

As a result of these differences in the value and growth rates of *STM* exports, *STM* exports compiled from ABS reported data alone are identified as *STM (excl. Nickel)* in all DFAT trade statistical publications.

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# METHODOLOGY FOR ESTIMATING NICKEL EXPORTS

## Background

The ABS has a legal obligation to confidentialise data from an individual or organisation that is identifiable if that individual or organisation has requested that the data be suppressed. These restrictions affect the level of detailed merchandise trade data that is potentially available for release.

The ABS publishes monthly a list of merchandise trade commodities with confidential restrictions in its publication *International Merchandise Trade: Confidential Commodities List* (ABS catalogue 5372.0.55.0.01). More detail on how the ABS applies confidentiality in merchandise trade statistics is available in the ABS information paper *International Trade – Request to Confidentialise data* (ABS catalogue 5497.0.55.001). These products are available on the ABS website at [www.abs.gov.au](http://www.abs.gov.au).

## Impact of confidentiality on exports of Nickel products

In ABS statistics *Nickel mattes, Unwrought nickel & nickel alloys* and *Nickel powders & flakes* have the restriction applied of no commodity details. No data relating to these Australian Harmonized Export Commodity Classification (AHECC) commodities are released by the ABS.

**Table A** lists the ABS confidentiality restrictions applied to these nickel products and the dates from when they came into effect. The table also shows the DFAT Trade Import and Export Classification (TRIEC) codes<sup>3</sup> and the Standard International Trade Classification (SITC) codes which are affected by these restrictions. In this publication confidential nickel trade is classified to *Confidential items* (TRIEC code 3041 and SITC code 988).

Table A. Nickel products items subject to ABS confidentiality restrictions

TRIEC group	TRIEC code	SITC code	ABS AHECC codes	Restriction applied	From	Included in confidential TRIEC or SITC code (a)
PPP	1222	284.21	75011000 Nickel mattes	No commodity details	Jan-88	3041 & 988
STM	2313	683.11	75021000 Unwrought nickel, not alloyed	No commodity details	Feb-03 to Jun-18	3041 & 988
STM	2313	683.11	75021000 Unwrought nickel, not alloyed	No country details	Jul-18	3041 & 988
STM	2313	683.12	75022000 Unwrought nickel alloys	No commodity details	Feb-03	3041 & 988
ETM	2414	683.23	75040000 Nickel powders and flakes	No commodity details	Feb-03	3041 & 988

(a) At the Australia level only from June 2013 onwards.

Source: ABS catalogue 5372.0.55.001 - International Merchandise Trade: Confidential Commodities List.

<sup>3</sup> ABS AHECC data is used to compile the DFAT TRIEC classification.

Table B shows exports of *Nickel* products as published under the TRIEC classification from 2016 to 2018. It shows where the ABS confidential nickel restrictions impact on the TRIEC export data in this publication.

Table B: Australia's exports of Nickel products as published in ABS merchandise trade statistics

TRIEC	Total exports			% growth	
	2016 A\$m	2017 A\$m	2018 A\$m	2017 to 2018	5 year trend
<b>Total Nickel products</b>	<b>346</b>	<b>350</b>	<b>1,246</b>	<b>..</b>	<b>-20.3</b>
<b>Unprocessed primary products</b>					
<b>Other metalliferous ores &amp; concentrates</b>					
Nickel ores & concentrates	291	280	277	-0.9	-25.0
<b>Processed primary products</b>					
<b>Metallic minerals, processed</b>					
Nickel mattes	np	np	np	..	..
Nickel sinters	16	0	3	..	..
<b>STM</b>					
<b>Non-ferrous metals, simply transformed</b>					
Nickel & nickel alloys unworked	np	np	841	..	..
Unwrought nickel, not alloyed	np	np	841	..	..
Unwrought nickel alloys	np	np	np	..	..
<b>ETM</b>					
<b>Non-ferrous metals, elaborately transformed</b>					
Nickel bars, rods and profiles	37	69	122	78.0	-35.5
Nickel powder & flakes	np	np	np	..	..
Other nickel alloys & articles	2	2	3	72.2	-6.2

Source: Derived from ABS trade data on DFAT STARS database.

## Alternative sources of information on Australia's Nickel exports

By using partner country import data (e.g. Japan's imports from Australia) it is possible to get an idea of the size of Australia's exports of confidential nickel commodities.

It should be noted that data on *Nickel* products as published by our major trading partners are not fully compatible with data as published by the ABS. This is due to certain timing, coverage and valuation differences that will exist between the two data sets. (For more information on the quality of the data sourced from our trading partners please refer to the section on quality of these estimates at the end of this article.)

Based on partner country import data, **Table C** shows that our major trading partners imported around \$2.4 billion of Australian *Nickel & nickel alloys unworked* in 2018 (excluding *Unwrought Nickel alloys, not alloyed* which is included in ABS data at the Australia total level from July 2018 onwards). Our major trading partners also imported \$286 million of Australian *Nickel mattes* and \$378 million of *Nickel powder & flakes*.

Table C: Imports of Australian Nickel products for those items classified as confidential in ABS statistics

TRIEC	2016 A\$m	2017 A\$m	2018 A\$m
<b>Processed primary products</b>			
Nickel mattes	162	194	286
<b>STM</b>			
Nickel & nickel alloys unworked	1,865	2,105	2,428
<b>ETM</b>			
Nickel powder & flakes	40	99	378

Sources: Global Trade Atlas and UN Comtrade data.

## Estimate of exports of Nickel products using both ABS and partner country data

DFAT has combined both ABS and partner country trade data to calculate an estimate of the level of exports of Australian nickel products and STM exports over time. The results of this analysis are shown in Table D below.

Table D: Australia's exports of Nickel products using both ABS and partner country data

TRIEC	2016 A\$m	2017 A\$m	2018 A\$m	% growth	
				2017 to 2018	5 year trend
<b>Total Nickel products</b>	<b>2,412</b>	<b>2,749</b>	<b>4,338</b>	<b>57.8</b>	<b>-6.4</b>
<b>Unprocessed primary products</b>					
<b>Other metalliferous ores &amp; concentrates</b>					
Nickel ores & concentrates	291	280	277	-0.9	-25.0
<b>Processed primary products</b>					
<b>Metallic minerals, processed</b>					
Nickel mattes	162	194	286	47.2	-13.2
Nickel sinters	16	0	3	..	..
<b>STM</b>					
<b>Non-ferrous metals, simply transformed</b>					
Nickel & nickel alloys unworked	1,865	2,105	3,269	55.3	4.0
<b>ETM</b>					
<b>Non-ferrous metals, elaborately transformed</b>					
Nickel bars, rods and profiles	37	69	112	78.0	-35.5
Nickel powder & flakes	40	99	378	280.8	28.5
Other nickel alloys & articles	2	2	3	72.2	-6.2
<b>Impact on STM exports</b>					
<i>STM exports (ABS data only)</i>	<i>13,247</i>	<i>14,322</i>	<i>16,670</i>	<i>16.4</i>	<i>3.3</i>
<i>STM exports including Nickel unworked</i>	<i>15,112</i>	<i>16,427</i>	<i>19,098</i>	<i>16.3</i>	<i>2.9</i>

Compiled using partner country import data.

Sources: ABS trade data on DFAT STARS database, Global Trade Atlas and UN Comtrade data.

## Major markets for Nickel mattes and Nickel alloys unworked

Tables E and F show *Nickel mattes* and *Nickel alloys unworked* by major Australian market sourced from import data from our trading partners. In 2018, Australia's major markets for *Nickel mattes* were Norway, valued at \$171 million (up 122.4 per cent) and Japan at \$147 million (up 95.0 per cent).

Australia's major markets for *Nickel & nickel alloys unworked* in 2018 were China, valued at \$1.3 billion (up 157.0 per cent), followed by EU28 valued at \$722 million (up 161.4 per cent), Japan valued at \$330 million (up 232.6 per cent) and Taiwan at \$238 million (down 48.4 per cent).

Table E: Imports of Australian nickel mattes by major trading partner (a)

	2015 A\$m	2016 A\$m	2017 A\$m	2018 A\$m	% growth 2017 to 2018
<b>Total imports (c)</b>	<b>251</b>	<b>162</b>	<b>194</b>	<b>286</b>	<b>47.2</b>
China (a)	162	91	62	0	-100.0
European Union 28 (a)	65	26	0	0	..
Japan (a)	21	56	75	147	95.0
Norway (a)	31	6	77	171	122.4

(a) c.i.f. basis. (b) f.o.b. basis. (c) Adjusted to an f.o.b. basis.

Sources: Global Trade Atlas and UN Comtrade data.

Table F: Imports of Australian nickel & nickel alloys unworked by major trading partner

	2015 A\$m	2016 A\$m	2017 A\$m	2018 A\$m	% growth 2017 to 2018
<b>Total imports (c)</b>	<b>2,335</b>	<b>1,865</b>	<b>2,105</b>	<b>3,269</b>	<b>55.3</b>
China (a)	95	298	508	1,307	157.0
European Union 28 (a)	264	161	276	722	161.4
India (a)	150	68	123	86	-29.9
Indonesia (a)	0	2	1	90	..
Japan (a)	79	60	99	330	232.6
Republic of Korea (a)	30	71	70	183	161.2
Malaysia (a)	1,049	588	219	0	-100.0
Singapore (a)	494	324	175	53	-69.6
South Africa (b)	0	21	30	15	-49.2
Taiwan (a)	42	295	461	238	-48.4

(a) c.i.f. basis. (b) f.o.b. basis. (c) Adjusted to an f.o.b. basis.

Sources: Global Trade Atlas and UN Comtrade data.

## Quality of these estimates

The reader should note the above analysis provides only an estimate of the actual value of Australian nickel products and *STM* exports. These estimates have a number of data quality issues:

- First, most partner country import data as published by our major trading partners are on a c.i.f. (cost, insurance and freight) basis, whereas the ABS export data are published on a f.o.b. (free on board) basis. As a result, a valuation on a c.i.f. basis will be higher than a valuation on an f.o.b. basis as it includes the additional cost of insurance and freight.

- In an effort to overcome the issue of combining trade data on an f.o.b. and c.i.f. basis, DFAT has calculated a proxy f.o.b. value for commodities reported on a c.i.f. basis by deflating the reported value by 10 per cent for Nickel mattes and 5 per cent for nickel alloys<sup>4</sup>. This adjusted partner country data has been used in **Table D – Australia’s exports of nickel products** using both ABS and partner country data to calculate Australia’s total exports of *Nickel* on a consistent f.o.b. basis.
- Second, not all of Australia’s export partners publish their own import trade data (for example only limited data is available for Middle East countries) and therefore some Australian confidential *Nickel* exports may not have been included. As Australia’s major trading partners were covered in the calculation this should only have a small impact on the above estimates.
- Timing differences will also impact on the quality of the estimates, given the long distances to some of Australia’s major trading partners.
  - For example a good that is exported and recorded in ABS trade statistics in December 2018 could be imported and recorded in partner country trade data in January 2019 due to the time it takes to ship the good to that country. As a result this good is recorded in ABS trade statistics in calendar year 2018, while in the partner country data it will be recorded in 2019. This will impact on the quality of these estimates as data sourced from partner country data may be allocated to the incorrect time period.
- It is possible that some *Nickel* products are not given the same classification code in ABS export statistics as in partner country import statistics. It is therefore possible that some of the confidential *Nickel* data sourced from partner country data is actually published in ABS export statistics under a non-confidential nickel code. This could lead to some double counting in these estimates
- It is a possible that in ABS export statistics the final country of destination for these shipments is incorrect (it may be going onto a third party country). This is unlikely for shipments of bulk goods, such as resources. However given the proximity of Singapore to Malaysia there may be some double counting of Australia’s exports to these destinations.

4 This methodology is based on an analysis of various countries import data reported on both f.o.b. and c.i.f. basis.

# LOW VALUE THRESHOLD GOODS

## Introduction

In August 2013, the Australian Bureau of Statistics (ABS) commenced including estimates for the value of 'low value threshold' (LVT) goods imports into Australia's official balance of payments statistics, with revisions back to September quarter 1998. In August 2014 methodological changes were announced, arising from three additional data sources, resulting in further revisions to the series.

## What are LVT goods?

Broadly, goods imported to Australia with a value below \$1,000 (the LVT) have not required full import declaration (FID) to the Department of Home Affairs. As such these imports have been excluded from Australia's merchandise trade statistics, and before August 2013, were also excluded from Australia's Balance of Payments statistics<sup>5</sup>. LVT goods can be characterised in particular by the large range of 'small' purchases made via on-line retail.

## Estimating LVT goods imports

Investigations undertaken by the ABS together with the Department of Home Affairs revealed there had been a significant increase in the number of parcels being imported under the LVT – driven by the growth in on-line trade. A decision was taken to include estimates for these goods in Australia's macroeconomic statistics. The estimates commenced with the August 2013 edition of *International Trade in Goods in Services* (ABS catalogue 5368.0) with revisions back to September 1998. The estimates have also been included in the *Balance of Payments and International Investment Position* (ABS catalogue 5302.0) from September 2013 release (including revisions) as well as other ABS outputs that include an international trade dimension.

## Updates to LVT adjustments for official goods debits estimates

LVT adjustments are applied **only to balance of payments goods debits estimates**, hence pushing the balance of payments debits series higher by the value of the LVT estimate relative to the corresponding merchandise imports series<sup>6</sup>. They were well below \$1 billion in 1998-99 increasing to \$11.1 billion in 2017-18, which represents 3.7 per cent of the 'goods debits' series in that year.

## Impact on macroeconomic aggregates

By default, the balance (on goods and services) is also affected. And because the balance is a 'net' series the differences between balance of payments and merchandise trade estimates will vary more widely and, at times, will be at odds as to whether Australia's trade is in surplus or deficit. The table below displays

<sup>5</sup> To date exports have been excluded from the process, even though conceptually they are in scope. When the ABS identifies reliable data sources, they will be considered for inclusion.

<sup>6</sup> Note there are other adjustments applied to the balance of payments goods debits series which cause it to differ from merchandise imports.

Australia's goods trade balances for 1998-99 (when the LVT adjustment commences) as well as the period 2013 to 2018.

## Goods Trade Balances

### Balance of payments versus Merchandise trade (A\$ billion)

	1998-99	2013	2014	2015	2016	2017	2018
Balance of payments	-12.5	7.5	2.3	-25.6	-8.0	13.8	28.1
Merchandise trade	-11.6	20.9	13.1	-17.5	4.1	13.0	40.3
<i>Difference</i>	-0.9	-13.4	-10.8	-8.2	-12.1	0.7	-12.2

Source: ABS catalogues 5302.0 and 5368.0.

In 1998-99 the difference between the goods trade balance was just \$0.9 billion. However over time, helped by the inclusion of LVT<sup>7</sup> goods imports, the difference peaked to \$13.4 billion by 2013. The small surplus in 2017 is mainly due to the import of two high value LNG platforms, which were recorded in full in the merchandise trade statistics but had been recorded in the balance of payment statistics over a number of years as change of ownership occurred. In 2018, the difference expanded back to \$12.3 billion.

From the user perspective **balance of payments is the preferred series** as the adjustments incorporated by the ABS fill in gaps that exist in the merchandise trade statistics as well as providing a more realistic account of change of ownership. However, balance of payments data is only available for broad aggregates, so users must still use the merchandise trade series where finer levels of detail are required.

## Conclusion

Low value goods do not require FID when imported into Australia. As such, Australia's official merchandise import values are understated to the extent of this impact.

The balance of payments debit series is adjusted by the ABS to account for LVT goods imports. Hence, it is the preferred series for representing goods imports and the trade balance.

## More information

For a more detailed description of inclusion of LVT estimates into Australia's macroeconomic estimates see the explanatory notes of *International Trade in Goods and Services*, August 2013 (ABS catalogue 5368.0) as well as the information paper: *Measurement of online Retail Trade in Macroeconomic Statistics, 2013* (ABS catalogue 8501.0.5.007). The August 2014 edition of *International Trade in Goods and Services*, (ABS catalogue 5368.0) provides details of the refinements in the technical note starting on page 45.

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<sup>7</sup> Balance of payments goods debits are also adjusted for transactions other than LVT goods imports. See the **Explanatory notes** in ABS catalogue 5368.0.

# **AUSTRALIA'S TRADE ON A BALANCE OF PAYMENTS BASIS**

## **Section 1**

### **Australia's trade in goods and services**

**TABLE 1: AUSTRALIA'S TRADE IN GOODS AND SERVICES**  
**BALANCE OF PAYMENTS BASIS (a)**  
**(A\$ million)**

Current prices								
	2013	2014	2015	2016	2017	2018	% growth	
							2017 to 2018	5 year trend
<b>Exports</b>								
Goods	263,456	266,716	250,246	259,069	301,981	345,342	14.4	5.2
Services	59,986	65,542	73,045	78,065	84,978	92,785	9.2	9.0
<b>Total goods &amp; services</b>	<b>323,442</b>	<b>332,258</b>	<b>323,291</b>	<b>337,134</b>	<b>386,959</b>	<b>438,127</b>	<b>13.2</b>	<b>5.9</b>
<b>Imports</b>								
Goods	255,940	264,381	275,885	267,035	288,218	317,208	10.1	3.8
Services	78,348	78,799	84,797	83,965	89,273	97,783	9.5	4.3
<b>Total goods &amp; services</b>	<b>334,288</b>	<b>343,180</b>	<b>360,682</b>	<b>351,000</b>	<b>377,491</b>	<b>414,991</b>	<b>9.9</b>	<b>3.9</b>
<b>Total two-way trade</b>								
Goods	519,396	531,097	526,131	526,104	590,199	662,550	12.3	4.5
Services	138,334	144,341	157,842	162,030	174,251	190,568	9.4	6.5
<b>Total goods &amp; services</b>	<b>657,730</b>	<b>675,438</b>	<b>683,973</b>	<b>688,134</b>	<b>764,450</b>	<b>853,118</b>	<b>11.6</b>	<b>4.9</b>
<b>Balance on trade</b>								
Goods	7,516	2,335	-25,639	-7,966	13,763	28,134	..	..
Services	-18,362	-13,257	-11,752	-5,900	-4,295	-4,998	..	..
<b>Total goods &amp; services</b>	<b>-10,846</b>	<b>-10,922</b>	<b>-37,391</b>	<b>-13,866</b>	<b>9,468</b>	<b>23,136</b>	<b>..</b>	<b>..</b>
Chain volume measures and indices (b)								
	2013	2014	2015	2016	2017	2018	% growth	
							2017 to 2018	5 year trend
<b>Export volumes</b>								
Goods	238,184	254,673	268,511	287,588	294,273	307,003	4.3	5.2
Services	62,952	67,268	73,806	78,477	84,517	90,627	7.2	7.6
<b>Total goods &amp; services</b>	<b>301,004</b>	<b>321,849</b>	<b>342,129</b>	<b>365,466</b>	<b>379,117</b>	<b>397,630</b>	<b>4.9</b>	<b>5.7</b>
<b>Import volumes</b>								
Goods	258,662	258,775	265,994	267,238	287,851	299,576	4.1	3.1
Services	89,502	84,134	82,621	82,653	89,227	92,855	4.1	1.0
<b>Total goods &amp; services</b>	<b>347,430</b>	<b>342,700</b>	<b>348,636</b>	<b>349,906</b>	<b>377,060</b>	<b>392,432</b>	<b>4.1</b>	<b>2.6</b>
<b>Total two-way trade volumes</b>								
Goods	496,846	513,448	534,505	554,826	582,124	606,579	4.2	4.1
Services	152,454	151,402	156,427	161,130	173,744	183,482	5.6	4.0
<b>Total goods &amp; services</b>	<b>648,434</b>	<b>664,549</b>	<b>690,765</b>	<b>715,372</b>	<b>756,177</b>	<b>790,062</b>	<b>4.5</b>	<b>4.1</b>
<b>Implicit price deflators (IPD)</b>								
<b>Goods &amp; services</b>								
Total exports IPD	107.5	103.2	94.5	92.2	102.1	110.2	8.0	0.2
Total imports IPD	96.2	100.1	103.5	100.3	100.1	105.7	5.6	1.3
<b>Terms of trade</b>								
<b>Goods &amp; services</b>	<b>111.7</b>	<b>103.1</b>	<b>91.3</b>	<b>92.0</b>	<b>102.0</b>	<b>104.2</b>	<b>2.2</b>	<b>-1.1</b>

(a) For the differences in measuring trade under balance of payments basis vs recorded trade basis refer to this section in the *Explanatory notes*.

(b) Reference year for chain volume measures is 2016.17

Based on ABS catalogue 5302.0.

**TABLE 2: AUSTRALIA'S TRADE IN GOODS AND SERVICES (a)**  
**CURRENT PRICE**  
**(A\$ million)**

<b>Exports</b>					
	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Total goods &amp; services exports</b>	<b>337,134</b>	<b>386,959</b>	<b>438,127</b>	<b>13.2</b>	<b>5.9</b>
<b>Goods exports</b>	<b>259,069</b>	<b>301,981</b>	<b>345,342</b>	<b>14.4</b>	<b>5.2</b>
<b>General merchandise</b>	<b>238,580</b>	<b>283,329</b>	<b>325,002</b>	<b>14.7</b>	<b>5.0</b>
Rural goods	42,553	48,386	47,387	-2.1	4.6
Meat & meat preparations	11,090	11,836	13,608	15.0	6.4
Cereal grains & cereal preparations	7,581	9,336	7,326	-21.5	-3.3
Wool & sheepskins	3,408	4,035	4,296	6.5	8.4
Other rural	20,474	23,179	22,157	-4.4	6.6
Non-rural goods	196,027	234,943	277,615	18.2	5.1
Minerals and fuels	140,259	177,730	215,576	21.3	5.9
<i>Metal ores &amp; minerals</i>	74,169	88,178	95,160	7.9	0.6
<i>Coal, coke &amp; briquettes</i>	42,270	57,109	66,890	17.1	11.8
<i>Other mineral fuels</i>	23,820	32,443	53,526	65.0	11.5
Manufactures	43,813	44,966	50,167	11.6	3.3
<i>Metals (excl non-monetary gold)</i>	9,445	10,875	12,855	18.2	1.4
<i>Machinery</i>	10,174	10,099	10,705	6.0	3.3
<i>Transport equipment</i>	5,268	4,590	4,601	0.2	-1.7
<i>Other manufactures</i>	18,926	19,402	22,006	13.4	5.9
Other non-rural (incl sugar & beverages)	10,399	10,575	9,838	-7.0	-0.2
Goods procured in ports by carriers	1,556	1,672	2,034	21.7	2.0
<b>Net exports of goods under merchanting</b>	<b>383</b>	<b>354</b>	<b>162</b>	<b>-54.2</b>	<b>-7.3</b>
<b>Non-monetary gold</b>	<b>20,106</b>	<b>18,298</b>	<b>20,178</b>	<b>10.3</b>	<b>7.5</b>
<b>Services exports</b>	<b>78,065</b>	<b>84,978</b>	<b>92,785</b>	<b>9.2</b>	<b>9.0</b>
Manufacturing services on physical inputs owned by others	22	12	2	-83.3	-25.9
Maintenance & repair services nie	64	50	39	-22.0	-12.8
Transport	7,243	7,589	7,546	-0.6	4.1
Travel	49,827	54,450	60,276	10.7	10.9
Other	20,909	22,877	24,922	8.9	6.7
<b>Imports</b>					
	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Total goods &amp; services imports</b>	<b>351,000</b>	<b>377,491</b>	<b>414,991</b>	<b>9.9</b>	<b>3.9</b>
<b>Goods imports</b>	<b>267,035</b>	<b>288,218</b>	<b>317,208</b>	<b>10.1</b>	<b>3.8</b>
<b>General merchandise</b>	<b>261,061</b>	<b>282,873</b>	<b>310,924</b>	<b>9.9</b>	<b>3.7</b>
Consumption goods	95,632	99,741	103,205	3.5	5.7
Capital goods	63,122	71,455	76,441	7.0	4.3
Intermediate & other goods	102,307	111,677	131,278	17.6	1.8
Non-monetary gold	5,974	5,345	6,284	17.6	9.2
<b>Services imports</b>	<b>83,965</b>	<b>89,273</b>	<b>97,783</b>	<b>9.5</b>	<b>4.3</b>
Manufacturing services on physical inputs owned by others	0	0	0	..	..
Maintenance & repair services nie	695	716	700	-2.2	3.0
Transport	16,445	16,471	18,470	12.1	1.0
Travel	41,437	44,896	49,258	9.7	6.1
Other	25,388	27,190	29,355	8.0	3.7

(a) Balance of payments basis.  
Based on ABS catalogue 5302.0.

**TABLE 3: AUSTRALIA'S TRADE IN GOODS AND SERVICES (a)**  
**CHAIN VOLUME MEASURES (b)**  
**(A\$ million)**

<b>Exports</b>					
	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Total goods &amp; services exports</b>	<b>365,466</b>	<b>379,117</b>	<b>397,630</b>	<b>4.9</b>	<b>5.7</b>
<b>Goods exports</b>	<b>287,588</b>	<b>294,273</b>	<b>307,003</b>	<b>4.3</b>	<b>5.2</b>
<b>General merchandise</b>	<b>267,183</b>	<b>275,369</b>	<b>287,033</b>	<b>4.2</b>	<b>5.1</b>
Rural goods	42,328	48,705	44,242	-9.2	2.5
Meat & meat preparations	11,574	11,956	13,437	12.4	-0.0
Cereal grains & cereal preparations	6,985	9,285	6,021	-35.2	-1.3
Wool & sheepskins	3,469	3,842	3,516	-8.5	-0.1
Other rural	20,666	23,444	21,268	-9.3	5.6
Non-rural goods	225,540	226,229	242,789	7.3	5.5
Minerals and fuels	168,665	169,626	184,322	8.7	6.5
<i>Metal ores &amp; minerals</i>	85,511	86,941	91,449	5.2	7.0
<i>Coal, coke &amp; briquettes</i>	57,287	51,830	54,739	5.6	1.5
<i>Other mineral fuels</i>	25,867	30,855	38,134	23.6	15.2
Manufactures	45,069	44,207	46,842	6.0	1.0
<i>Metals (excl non-monetary gold)</i>	10,498	10,015	10,644	6.3	-2.3
<i>Machinery</i>	10,272	10,241	11,166	9.0	0.0
<i>Transport equipment</i>	5,208	4,633	4,635	0.0	0.5
<i>Other manufactures</i>	19,091	19,318	20,397	5.6	3.7
Other non-rural (incl sugar & beverages)	11,181	10,429	10,013	-4.0	-0.3
Goods procured in ports by carriers	1,669	1,622	1,612	-0.6	5.9
<b>Net exports of goods under merchanting</b>	<b>423</b>	<b>352</b>	<b>145</b>	<b>-58.8</b>	<b>-4.7</b>
<b>Non-monetary gold</b>	<b>20,017</b>	<b>18,562</b>	<b>19,825</b>	<b>6.8</b>	<b>6.3</b>
<b>Services exports</b>	<b>78,477</b>	<b>84,517</b>	<b>90,627</b>	<b>7.2</b>	<b>7.6</b>
Manufacturing services on physical inputs owned by others	22	12	2	-83.3	-25.9
Maintenance & repair services nie	64	50	39	-22.0	-12.8
Transport	7,219	7,480	7,181	-4.0	2.6
Travel	50,210	54,189	58,753	8.4	9.1
Other	20,961	22,791	24,652	8.2	6.1
<b>Imports</b>					
	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Total goods &amp; services imports</b>	<b>349,906</b>	<b>377,060</b>	<b>392,432</b>	<b>4.1</b>	<b>2.6</b>
<b>Goods imports</b>	<b>267,238</b>	<b>287,851</b>	<b>299,576</b>	<b>4.1</b>	<b>3.1</b>
<b>General merchandise</b>	<b>261,314</b>	<b>282,391</b>	<b>293,395</b>	<b>3.9</b>	<b>3.0</b>
Consumption goods	94,617	100,336	102,236	1.9	3.6
Capital goods	61,716	72,603	76,492	5.4	2.3
Intermediate & other goods	104,857	109,457	114,668	4.8	2.7
Non-monetary gold	5,932	5,448	6,181	13.5	9.4
<b>Services imports</b>	<b>82,653</b>	<b>89,227</b>	<b>92,855</b>	<b>4.1</b>	<b>1.0</b>
Manufacturing services on physical inputs owned by others	0	0	0	..	..
Maintenance & repair services nie	682	719	658	-8.5	-1.5
Transport	16,352	16,462	17,867	8.5	-0.0
Travel	40,782	44,813	46,675	4.2	2.6
Other	24,863	27,219	27,655	1.6	-0.6

(a) Balance of payments basis. (b) Reference year for chain volume measures is 2016-17.  
Based on ABS catalogue 5302.0.

**TABLE 4: AUSTRALIA'S TOP 25 EXPORTS, GOODS & SERVICES (a)**  
(A\$ million)

Rank	Commodity	2016	2017	2018	% share 2018	% growth	
						2017 to 2018	5 year trend
	<b>Total (b)</b>	<b>337,134</b>	<b>386,959</b>	<b>438,127</b>	<b>100.0</b>	<b>13.2</b>	<b>5.9</b>
1	Coal (c)	42,270	57,132	66,860	15.3	17.0	11.9
2	Iron ores & concentrates	53,757	63,104	63,277	14.4	0.3	-1.5
3	Natural gas	17,912	25,618	43,298	9.9	69.0	20.8
4	Education-related travel services (d)	25,792	30,263	35,234	8.0	16.4	15.0
5	Personal travel (excl education) services	21,192	21,281	22,240	5.1	4.5	7.3
6	Gold	18,857	17,620	19,137	4.4	8.6	7.9
7	Aluminium ores & conc (incl alumina)	6,460	8,426	11,341	2.6	34.6	12.0
8	Beef, f.c.f.	7,401	7,451	8,661	2.0	16.2	5.1
9	Crude petroleum	4,750	5,246	8,097	1.8	54.3	-7.9
10	Copper ores & concentrates	4,714	4,790	5,996	1.4	25.2	1.0
11	Professional services	4,947	5,176	5,265	1.2	1.7	2.8
12	Meat (excl beef), f.c.f.	3,573	4,272	4,823	1.1	12.9	8.7
13	Financial services	3,632	4,270	4,763	1.1	11.5	7.0
14	Telecom, computer & information services	3,300	3,674	4,642	1.1	26.3	13.1
15	Technical & other business services	4,280	4,471	4,426	1.0	-1.0	4.6
16	Aluminium	3,341	3,453	4,367	1.0	26.5	0.8
17	Wheat	4,853	6,062	4,068	0.9	-32.9	-5.9
18	Wool & other animal hair (incl tops)	3,023	3,659	3,934	0.9	7.5	10.0
19	Other ores & concentrates (e)	2,803	2,645	3,498	0.8	32.3	-9.2
20	Copper	3,115	2,987	3,312	0.8	10.9	-2.6
21	Alcoholic beverages	2,521	2,892	3,245	0.7	12.2	10.6
22	Refined petroleum	2,183	2,391	3,046	0.7	27.4	0.3
23	Passenger transport services (f)	2,747	2,906	2,977	0.7	2.4	5.3
24	Other transport services	2,788	2,853	2,830	0.6	-0.8	3.3
25	Edible products & preparations, nes	2,369	2,893	2,822	0.6	-2.5	28.2
<b>Memorandum items</b>							
	Education (g)	26,328	30,815	35,843	8.2	16.3	14.8
						% growth	
		2015-16	2016-17	2017-18	2017-18	2016-17 to 2017-18	5 year trend
	Tourism Satellite Account (h)	32,471	34,862	37,391	9.3	7.3	8.4

(a) Goods trade is on a recorded trade basis, Services trade is on a balance of payments basis. (b) Balance of payments basis. (c) Includes BOP adjustment for coal for 2018. (d) Includes student expenditure on tuition fees and living expenses. (e) Mainly of *Lead, Zinc* and *Manganese* ores & concentrates. (f) Includes *Related agency fees & commissions*. (g) *Education* includes *Education-related travel services*, *Royalties on education services* and *Other education services*. (h) The ABS Tourism Satellite Account (TSA) provides the official measure of the tourism sector and is only available on a financial year basis.

nya = not yet available.

nes - not elsewhere specified.

Based on ABS trade data on DFAT STARS database and ABS catalogue 5302.0 & 5429.0

**TABLE 5: AUSTRALIA'S TOP 25 IMPORTS, GOODS & SERVICES (a)**  
(A\$ million)

Rank	Commodity	2016	2017	2018	% share 2018	% growth	
						2017 to 2018	5 year trend
	<b>Total (c)</b>	<b>351,000</b>	<b>377,491</b>	<b>414,991</b>	<b>100.0</b>	<b>9.9</b>	<b>3.9</b>
1	Personal travel (excl education) services	37,089	40,259	44,804	10.8	11.3	6.6
2	Refined petroleum	14,861	19,162	25,266	6.1	31.9	4.4
3	Passenger motor vehicles	21,403	22,810	22,411	5.4	-1.8	5.4
4	Telecom equipment & parts	11,970	12,784	14,400	3.5	12.6	9.3
5	Crude petroleum	7,965	9,493	13,790	3.3	45.3	-11.6
6	Goods vehicles	7,535	8,814	10,684	2.6	21.2	11.5
7	Freight transport services	8,791	8,737	10,108	2.4	15.7	-0.2
8	Computers	7,349	8,245	9,686	2.3	17.5	5.5
9	Passenger transport services (d)	6,553	6,831	7,339	1.8	7.4	2.0
10	Medicaments (incl veterinary)	7,617	7,113	7,203	1.7	1.3	-1.4
11	Professional services	5,744	6,666	7,086	1.7	6.3	6.3
12	Gold	7,468	6,220	6,385	1.5	2.6	9.8
13	Technical & other business services	5,055	4,806	5,531	1.3	15.1	-3.4
14	Furniture, mattresses & cushions	4,274	4,258	4,875	1.2	14.5	7.7
15	Charges for intellectual property	4,463	4,461	4,859	1.2	8.9	2.6
16	Civil engineering equipment & parts	2,572	3,340	4,812	1.2	44.1	5.9
17	Pharm products (excl medicaments)	3,609	4,025	4,580	1.1	13.8	14.9
18	Telecom, computer & information services	3,553	3,935	4,488	1.1	14.1	11.3
19	Business travel services	3,955	4,286	4,099	1.0	-4.4	1.4
20	Electrical machinery & parts, nes	3,315	3,577	3,818	0.9	6.7	6.6
21	Plastic articles, nes	3,226	3,397	3,806	0.9	12.0	9.0
22	Household-type equipment, nes	3,222	3,386	3,536	0.9	4.4	7.6
23	Prams, toys, games & sporting goods	3,135	3,277	3,477	0.8	6.1	6.4
24	Measuring & analysing instruments	3,185	3,023	3,406	0.8	12.7	2.4
25	Medical instruments (incl veterinary)	3,066	2,987	3,385	0.8	13.3	9.3

#### Memorandum items

Education (e)	502	466	464	0.1	-0.4	4.1
				% share	% growth	
	2015-16	2016-17	2017-18	2017-18	2016-17 to 2017-18	5 year trend
Tourism Satellite Account (f)	46,766	48,818	53,956	13.6	10.5	4.9

(a) Goods trade is on a recorded trade basis, Services trade is on a balance of payments basis. (b) Please note – imports of aircraft were made confidential by the ABS from Sep-08 onwards. Imports of aircraft would ranked 19th in Australia's top 25 imports in 2018 estimated to be valued at \$4.1bn.

(c) Balance of payments basis. (d) Includes *Related agency fees & commissions*. (e) *Education* includes *Education-related travel services*, *Royalties on education services* and *Other education services*. (f) The ABS Tourism Satellite Account (TSA) provides the official measure of the tourism sector and is only available on a financial year basis.

nya = not yet available.

nes - not elsewhere specified.

Based on ABS trade data on DFAT STARS database and ABS catalogue 5302.0 & 5429.0

**TABLE 6: AUSTRALIA'S EXPORTS OF GOODS AND SERVICES  
STATE AND TERRITORY (a)  
BALANCE OF PAYMENTS BASIS  
(A\$ million)**

<b>Current prices</b>						
	2015-16	2016-17	2017-18	% share 2017-18	% growth	
					2016-17 to 2017-18	5 year trend
New South Wales	73,716	83,460	89,355	22.3	7.1	6.5
Victoria	44,868	48,520	51,482	12.8	6.1	6.6
Queensland	64,127	83,711	90,309	22.5	7.9	10.7
South Australia	15,008	15,256	15,602	3.9	2.3	2.9
Western Australia	110,442	130,727	139,849	34.9	7.0	1.1
Tasmania	3,917	4,063	5,071	1.3	24.8	6.0
Northern Territory	5,765	5,988	6,768	1.7	13.0	-7.3
Australian Capital Territory	1,878	2,015	2,230	0.6	10.7	9.9
Unallocated and confidential	0	0	0	..	..	..
<b>Total exports (b)</b>	<b>319,721</b>	<b>373,740</b>	<b>400,666</b>	<b>100.0</b>	<b>7.2</b>	<b>4.8</b>
<b>Chain volume measures (c)</b>						
	2015-16	2016-17	2017-18	% share 2017-18	% growth	
					2016-17 to 2017-18	5 year trend
New South Wales	81,170	83,460	86,317	22.3	3.4	5.0
Victoria	44,856	48,520	50,535	13.1	4.2	5.4
Queensland	78,333	83,711	84,877	22.0	1.4	9.2
South Australia	15,008	15,256	14,922	3.9	-2.2	3.7
Western Australia	122,658	130,727	136,402	35.3	4.3	5.9
Tasmania	4,199	4,063	4,782	1.2	17.7	5.6
Northern Territory	6,204	5,988	6,355	1.6	6.1	-4.8
Australian Capital Territory	1,893	2,015	2,200	0.6	9.2	8.3
<b>Total exports (b)</b>	<b>354,467</b>	<b>373,740</b>	<b>386,391</b>	<b>100.0</b>	<b>3.4</b>	<b>5.9</b>
<b>Implicit price deflators (IPDs)</b>						
	2015-16	2016-17	2017-18	% growth		
				2016-17 to 2017-18	5 year trend	
New South Wales	90.8	100.0	103.5		3.5	1.5
Victoria	100.0	100.0	101.9		1.9	1.1
Queensland	81.9	100.0	106.4		6.4	1.4
South Australia	100.0	100.0	104.6		4.6	-0.8
Western Australia	90.0	100.0	102.5		2.5	-4.6
Tasmania	93.3	100.0	106.0		6.0	0.4
Northern Territory	92.9	100.0	106.5		6.5	-2.6
Australian Capital Territory	99.2	100.0	101.4		1.4	1.4
<b>Total exports (b)</b>	<b>90.2</b>	<b>100.0</b>	<b>103.7</b>		<b>3.7</b>	<b>-1.0</b>

(a) Total exports (includes Australian produced goods and re-exports) for each State/Territory. (b) Includes some confidential and miscellaneous items not included in State and Territory totals. (c) Reference year for chain volume measures is 2016-17.

Based on ABS catalogue 5220.0.

**TABLE 7: AUSTRALIA'S IMPORTS OF GOODS AND SERVICES  
STATE AND TERRITORY  
BALANCE OF PAYMENTS BASIS  
(A\$ million)**

<b>Current prices</b>						
	2015-16	2016-17	2017-18	% share 2017-18	% growth	
					2016-17 to 2017-18	5 year trend
New South Wales	142,961	146,290	156,994	39.9	7.3	5.7
Victoria	95,337	95,681	105,700	26.8	10.5	5.3
Queensland	51,684	53,802	63,297	16.1	17.6	0.8
South Australia	12,559	13,421	13,754	3.5	2.5	4.6
Western Australia	47,501	45,018	45,220	11.5	0.4	-3.5
Tasmania	1,486	1,705	2,070	0.5	21.4	7.3
Northern Territory	3,806	4,469	4,103	1.0	-8.2	-6.0
Australian Capital Territory	2,163	2,504	2,738	0.7	9.3	6.2
Unallocated and confidential	0	0	0	..	..	..
<b>Total imports (a)</b>	<b>357,496</b>	<b>362,889</b>	<b>393,876</b>	<b>100.0</b>	<b>8.5</b>	<b>3.3</b>
<b>Chain volume measures (b)</b>						
	2015-16	2016-17	2017-18	% share 2017-18	% growth	
					2016-17 to 2017-18	5 year trend
New South Wales	137,442	146,290	156,300	40.4	6.8	3.9
Victoria	92,440	95,681	104,120	26.9	8.8	3.1
Queensland	50,648	53,802	61,313	15.8	14.0	-0.0
South Australia	12,237	13,421	13,373	3.5	-0.4	3.0
Western Australia	46,791	45,018	43,411	11.2	-3.6	-4.2
Tasmania	1,446	1,705	1,956	0.5	14.7	5.6
Northern Territory	3,565	4,469	3,791	1.0	-15.2	-2.2
Australian Capital Territory	2,072	2,504	2,696	0.7	7.7	2.4
<b>Total imports (a)</b>	<b>346,595</b>	<b>362,889</b>	<b>386,958</b>	<b>100.0</b>	<b>6.6</b>	<b>1.8</b>
<b>Implicit price deflators (IPDs)</b>						
	2015-16	2016-17	2017-18	% growth		
				2016-17 to 2017-18	5 year trend	
New South Wales	104.0	100.0	100.4	0.4	1.7	
Victoria	103.1	100.0	101.5	1.5	2.1	
Queensland	102.0	100.0	103.2	3.2	0.8	
South Australia	102.6	100.0	102.8	2.8	1.6	
Western Australia	101.5	100.0	104.2	4.2	0.8	
Tasmania	102.8	100.0	105.8	5.8	1.6	
Northern Territory	106.8	100.0	108.2	8.2	-3.9	
Australian Capital Territory	104.4	100.0	101.6	1.6	3.7	
<b>Total imports (a)</b>	<b>103.1</b>	<b>100.0</b>	<b>101.8</b>	<b>1.8</b>	<b>1.5</b>	

(a) Includes some confidential and miscellaneous items not included in State and Territory totals. (b) Reference year for chain volume measures is 2016-17.

Based on ABS catalogue 5220.0.

## **Section 2**

# **Direction of Australia's trade in goods and services**

**TABLE 8: AUSTRALIA'S RANK IN  
WORLD GOODS AND SERVICES EXPORTS AND IMPORTS  
(US\$ million)**

Economy	1998	Rank	% share	2008	Rank	% share	2018	Rank	% share
<b>Exports</b>									
<b>World</b>	<b>6,893,113</b>			<b>20,190,330</b>			<b>25,320,426</b>		
China	207,607	11	3.0	1,576,036	3	7.8	2,753,886	1	10.9
United States	946,658	1	13.7	1,820,259	1	9.0	2,492,513	2	9.8
Germany	629,442	2	9.1	1,687,573	2	8.4	1,891,971	3	7.5
Netherlands	265,443	7	3.9	813,215	6	4.0	965,157	4	3.8
Japan	450,298	3	6.5	922,422	4	4.6	930,409	5	3.7
France	406,556	4	5.9	847,457	5	4.2	873,310	6	3.4
United Kingdom	383,713	5	5.6	784,978	7	3.9	861,868	7	3.4
Republic of Korea	158,667	13	2.3	513,340	12	2.5	701,461	8	2.8
Hong Kong (SAR of China)	208,704	10	3.0	440,149	13	2.2	683,265	9	2.7
Italy	312,943	6	4.5	659,226	8	3.3	668,232	10	2.6
Singapore	133,970	14	1.9	427,851	14	2.1	596,644	11	2.4
Belgium	-	-	-	568,845	9	2.8	590,129	12	2.3
Canada	248,163	8	3.6	531,515	10	2.6	542,726	13	2.1
India	45,128	31	0.7	300,882	18	1.5	530,670	14	2.1
Russian Federation	87,066	20	1.3	528,742	11	2.6	508,867	15	2.0
Spain	161,188	12	2.3	413,856	15	2.0	494,333	16	2.0
Mexico	128,923	16	1.9	309,238	17	1.5	479,134	17	1.9
Switzerland	107,038	17	1.6	297,393	19	1.5	435,084	18	1.7
United Arab Emirates	35,770	34	0.5	248,809	21	1.2	417,331	19	1.6
Taiwan	129,235	15	1.9	278,969	20	1.4	386,199	20	1.5
Ireland	71,031	23	1.0	216,514	27	1.1	370,375	21	1.5
Thailand	67,633	24	1.0	210,903	29	1.0	336,197	22	1.3
Poland	39,126	33	0.6	208,742	30	1.0	329,853	23	1.3
<b>Australia</b>	<b>73,135</b>	<b>22</b>	<b>1.1</b>	<b>240,255</b>	<b>24</b>	<b>1.2</b>	<b>327,785</b>	<b>24</b>	<b>1.3</b>
Saudi Arabia	43,545	32	0.6	322,835	16	1.6	317,164	25	1.3
<b>Imports</b>									
<b>World</b>	<b>7,036,982</b>			<b>20,513,319</b>			<b>25,470,112</b>		
United States	1,126,789	1	16.0	2,578,539	1	12.6	3,173,540	1	12.5
China	166,909	11	2.4	1,288,964	3	6.3	2,660,945	2	10.4
Germany	602,225	2	8.6	1,473,676	2	7.2	1,637,099	3	6.4
Japan	390,391	4	5.5	941,403	4	4.6	948,782	4	3.7
France	374,856	5	5.3	911,239	5	4.4	929,366	5	3.6
United Kingdom	408,954	3	5.8	873,780	6	4.3	908,888	6	3.6
Netherlands	243,444	8	3.5	727,808	7	3.5	874,880	7	3.4
Hong Kong (SAR of China)	211,838	9	3.0	465,572	13	2.3	709,028	8	2.8
India	57,520	26	0.8	408,987	15	2.0	687,248	9	2.7
Republic of Korea	117,931	16	1.7	533,151	10	2.6	659,464	10	2.6
Italy	281,598	6	4.0	694,098	8	3.4	625,775	11	2.5
Canada	244,222	7	3.5	508,303	12	2.5	581,855	12	2.3
Belgium	-	-	-	555,612	9	2.7	579,020	13	2.3
Singapore	121,836	15	1.7	410,962	14	2.0	557,591	14	2.2
Mexico	141,802	13	2.0	344,846	17	1.7	513,813	15	2.0
Spain	164,019	12	2.3	508,927	11	2.5	473,435	16	1.9
Switzerland	92,338	17	1.3	247,501	20	1.2	382,690	17	1.5
Russian Federation	75,096	22	1.1	369,417	16	1.8	343,713	18	1.3
Taiwan	129,611	14	1.8	275,318	18	1.3	343,125	19	1.3
United Arab Emirates	40,460	36	0.6	243,754	21	1.2	325,294	20	1.3
Ireland	63,169	24	0.9	198,692	28	1.0	323,872	21	1.3
<b>Australia</b>	<b>80,310</b>	<b>20</b>	<b>1.1</b>	<b>251,356</b>	<b>19</b>	<b>1.2</b>	<b>310,476</b>	<b>22</b>	<b>1.2</b>
Poland	53,713	29	0.8	239,722	22	1.2	309,807	23	1.2
Thailand	54,969	28	0.8	225,246	26	1.1	304,936	24	1.2
Vietnam	14,646	51	0.2	88,670	42	0.4	262,594	25	1.0

Sources: World Trade Organization online statistics database and ABS data on dX database.

**TABLE 9: AUSTRALIA'S TRADE IN GOODS AND SERVICES (a) (b)**  
**BY TOP 15 PARTNERS**  
**(A\$ million)**

Australia's top two-way trading partners							
Rank		2016	2017	2018	% share of total	% growth	
						2017 to 2018	5 year trend
1	China	158,004	183,459	214,608	25.2	17.0	8.1
2	Japan	61,275	72,031	85,762	10.1	19.1	2.8
3	United States	65,574	68,299	73,877	8.7	8.2	4.4
4	Republic of Korea	32,300	55,138	40,948	4.8	-25.7	6.8
5	Singapore	23,074	25,331	32,242	3.8	27.3	0.6
6	India	21,516	27,621	30,409	3.6	10.1	15.2
7	New Zealand	25,631	27,610	29,262	3.4	6.0	5.1
8	United Kingdom	30,334	27,038	26,947	3.2	-0.3	5.4
9	Thailand	21,566	22,996	25,727	3.0	11.9	5.1
10	Malaysia	18,150	20,753	24,180	2.8	16.5	3.5
11	Germany	20,518	21,041	23,251	2.7	10.5	6.1
12	Hong Kong (SAR of China)	16,758	18,824	17,819	2.1	-5.3	2.7
13	Taiwan	13,622	15,129	17,613	2.1	16.4	6.7
14	Indonesia	16,259	16,367	17,583	2.1	7.4	1.9
15	Vietnam	10,826	12,847	14,560	1.7	13.3	10.8
<b>Total all economies</b>		<b>688,134</b>	<b>764,450</b>	<b>853,118</b>	<b>100.0</b>	<b>11.6</b>	<b>4.9</b>
<i>of which: APEC (c)</i>		487,603	563,835	621,379	72.8	10.2	5.3
<i>ASEAN</i>		95,807	104,511	121,076	14.2	15.8	3.5
<i>European Union (e)(f)</i>		101,370	100,956	109,278	12.8	8.2	5.0
<i>OECD (c)(f)</i>		307,140	346,430	362,269	42.5	4.6	4.6
<i>G20</i>		478,507	548,324	597,177	70.0	8.9	6.0

Australia's top export markets							
Rank		2016	2017	2018	% share of total	% growth	
						2017 to 2018	5 year trend
1	China	95,681	116,006	136,287	31.1	17.5	7.9
2	Japan	38,451	47,218	58,796	13.4	24.5	1.7
3	Republic of Korea	20,430	23,393	26,646	6.1	13.9	3.6
4	United States	20,620	20,980	23,098	5.3	10.1	6.2
5	India	15,199	20,268	22,316	5.1	10.1	15.5
6	New Zealand	13,253	14,041	15,039	3.4	7.1	5.3
7	Singapore	10,709	11,961	14,968	3.4	25.1	6.4
8	Hong Kong (SAR of China)	12,846	15,050	13,419	3.1	-10.8	2.9
9	Taiwan	8,936	10,404	12,201	2.8	17.3	8.6
10	United Kingdom	15,465	11,550	10,521	2.4	-8.9	6.8
11	Malaysia	7,873	8,576	10,127	2.3	18.1	4.5
12	Indonesia	7,660	8,590	8,520	1.9	-0.8	5.8
13	Thailand	4,688	5,782	7,827	1.8	35.4	3.2
14	Vietnam	5,185	6,168	6,719	1.5	8.9	14.3
15	United Arab Emirates	3,586	4,223	4,655	1.1	10.2	6.4
<b>Total all economies</b>		<b>337,134</b>	<b>386,959</b>	<b>438,127</b>	<b>100.0</b>	<b>13.2</b>	<b>5.9</b>
<i>of which: APEC</i>		256,256	298,188	344,689	78.7	15.6	5.6
<i>ASEAN</i>		39,378	44,823	51,935	11.9	15.9	6.5
<i>European Union (e)</i>		31,854	29,036	30,144	6.9	3.8	6.3
<i>OECD</i>		131,970	143,086	161,573	36.9	12.9	4.1
<i>G20</i>		240,014	277,133	316,959	72.3	14.4	6.1

**TABLE 9: AUSTRALIA'S TRADE IN GOODS AND SERVICES (a) (b)**  
**BY TOP 15 PARTNERS (cont'd)**  
**(A\$ million)**

Australia's top import sources							
Rank		2016	2017	2018	% share of total	% growth	
						2017 to 2018	5 year trend
1	China	62,323	67,453	78,321	18.9	16.1	8.6
2	United States	44,955	47,319	50,779	12.2	7.3	3.6
3	Japan	22,824	24,813	26,967	6.5	8.7	5.1
4	Germany	16,472	16,992	18,756	4.5	10.4	5.6
5	Thailand	16,878	17,214	17,900	4.3	4.0	5.8
6	Singapore	12,365	13,370	17,275	4.2	29.2	-3.3
7	United Kingdom	14,869	15,488	16,426	4.0	6.1	4.3
8	Republic of Korea	11,870	31,746	14,302	3.4	-54.9	10.3
9	New Zealand	12,378	13,570	14,224	3.4	4.8	4.9
10	Malaysia	10,276	12,178	14,054	3.4	15.4	2.8
11	Italy	7,796	8,412	9,568	2.3	13.7	4.5
12	Indonesia	8,599	7,777	9,064	2.2	16.5	-1.4
13	India	6,317	7,353	8,093	2.0	10.1	14.4
14	Vietnam	5,641	6,678	7,840	1.9	17.4	8.1
15	France	6,651	7,059	7,752	1.9	9.8	3.3
<b>Total all economies</b>		<b>351,000</b>	<b>377,491</b>	<b>414,991</b>	<b>100.0</b>	<b>9.9</b>	<b>3.9</b>
<i>of which: APEC (c)</i>		231,347	265,647	276,690	66.7	4.2	4.9
<i>ASEAN</i>		56,429	59,688	69,140	16.7	15.8	1.6
<i>European Union (e)(f)</i>		69,516	71,921	79,134	19.1	10.0	4.4
<i>OECD (c)(f)</i>		175,170	203,344	200,697	48.4	-1.3	5.0
<i>G20</i>		238,493	271,191	280,218	67.5	3.3	5.9

(a) All data is on a balance of payments basis, except for goods by economy which are on a recorded trade basis. (b) May exclude selected confidential export or import commodities from partner economy totals as well as for the economy groups. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>) for more information and a list of the commodities excluded. (c) Includes DFAT estimate for the United States for 2017. (d) Includes DFAT estimate for the Republic of Korea in 2017. (e) Services data is EU27 to June 2013, EU28 from July 2013. (f) Includes DFAT estimate for France from 2013 to 2017. Based on DFAT STARS database, ABS catalogues 5302.0 & 536830.55.003/4 and unpublished ABS data.

**TABLE 10: AUSTRALIA'S TOTAL TRADE IN GOODS AND SERVICES (a) (b)  
BY SELECTED ECONOMIES AND REGIONS  
(A\$ million)**

Selected economies	2016	2017	2018	% share of total	% growth	
					2017 to 2018	5 year trend
Argentina	1,032	1,339	1,415	0.2	5.7	3.0
Belgium & Luxembourg	3,069	3,828	3,750	0.4	-2.0	3.3
Brazil	2,840	3,395	3,590	0.4	5.8	11.0
Brunei	490	426	933	0.1	119.1	-9.6
Canada	6,760	6,935	7,386	0.9	6.5	5.3
Chile	1,493	1,383	1,395	0.2	0.9	-5.5
China	158,004	183,459	214,608	25.2	17.0	8.1
Fiji	2,121	2,145	2,403	0.3	12.0	4.8
France (c)	8,888	9,409	10,424	1.2	10.8	3.7
Germany	20,518	21,041	23,251	2.7	10.5	6.1
Greece	1,073	1,046	1,117	0.1	6.8	-3.5
Hong Kong (SAR of China)	16,758	18,824	17,819	2.1	-5.3	2.7
India	21,516	27,621	30,409	3.6	10.1	15.2
Indonesia	16,259	16,367	17,583	2.1	7.4	1.9
Ireland	4,778	3,860	4,256	0.5	10.3	4.2
Italy	9,175	9,837	11,104	1.3	12.9	4.5
Japan	61,275	72,031	85,762	10.1	19.1	2.8
Malaysia	18,150	20,753	24,180	2.8	16.5	3.5
Mexico	3,246	3,389	3,741	0.4	10.4	6.7
Netherlands	6,530	6,989	8,355	1.0	19.5	6.3
New Zealand	25,631	27,610	29,262	3.4	6.0	5.1
Norway	1,158	1,248	1,432	0.2	14.8	1.0
Papua New Guinea	6,206	5,989	6,707	0.8	12.0	-0.6
Peru (c)	684	733	700	0.1	-4.5	11.6
Philippines	4,436	4,743	4,749	0.6	0.1	5.3
Republic of Korea (c)	32,300	55,138	40,948	4.8	-25.7	6.8
Russian Federation	912	1,143	1,184	0.1	3.6	-13.4
Saudi Arabia	2,487	2,099	1,737	0.2	-17.2	-10.8
Singapore	23,074	25,331	32,242	3.8	27.3	0.6
South Africa	3,151	3,588	3,841	0.5	7.0	3.2
Sweden	3,049	3,528	4,077	0.5	15.6	7.5
Switzerland	6,144	6,247	6,603	0.8	5.7	4.2
Taiwan	13,622	15,129	17,613	2.1	16.4	6.7
Thailand	21,566	22,996	25,727	3.0	11.9	5.1
Turkey	1,780	2,564	1,817	0.2	-29.1	3.2
United Arab Emirates	7,823	8,902	10,560	1.2	18.6	2.3
United Kingdom	30,334	27,038	26,947	3.2	-0.3	5.4
United States (c)	65,574	68,299	73,877	8.7	8.2	4.4
Vietnam	10,826	12,847	14,560	1.7	13.3	10.8
<b>Economic Groups (c)</b>						
APEC	487,603	563,835	621,379	72.8	10.2	5.3
ASEAN	95,807	104,511	121,076	14.2	15.8	3.5
European Union (d)	101,370	100,956	109,278	12.8	8.2	5.0
OECD	307,140	346,430	362,269	42.5	4.6	4.6
G20	478,507	548,324	597,177	70.0	8.9	6.0
<b>Geographic Regions (e)</b>						
Africa	7,936	9,584	11,362	1.3	18.5	-1.3
Americas	84,205	88,591	95,569	11.2	7.9	4.7
Asia	424,134	503,277	558,948	65.5	11.1	5.9
Europe	112,250	113,140	121,557	14.2	7.4	4.6
Oceania & Antarctica	35,991	37,824	40,620	4.8	7.4	3.6
Other (f)	23,618	12,034	25,062	2.9	108.3	-8.2
<b>World</b>	<b>688,134</b>	<b>764,450</b>	<b>853,118</b>	<b>100.0</b>	<b>11.6</b>	<b>4.9</b>

(a) All data is on a balance of payments basis, except for goods by economy which are on a recorded trade basis. (b) May exclude selected confidential export or import commodities from partner economy totals as well as for the economy groups. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>) for more information and a list of the commodities excluded. (c) May include a DFAT estimate. (d) Services data is EU27 Jan-07 to Jun-2013, EU28 from Jul-2013. (e) Refer to the Explanatory notes for regional definitions. (f) Includes unallocated and confidential trade.

Based on DFAT STARS database, ABS catalogues 5368.0 & 5368.0.55.003/4 and unpublished ABS data.

**TABLE 11: AUSTRALIA'S EXPORTS OF GOODS AND SERVICES (a) (b)  
BY SELECTED ECONOMIES AND REGIONS  
(A\$ million)**

Selected economies	2016	2017	2018	% share of total	% growth	
					2017 to 2018	5 year trend
Argentina	249	463	579	0.1	24.8	19.5
Belgium & Luxembourg	1,112	1,485	1,224	0.3	-17.6	-1.5
Brazil	1,901	2,484	2,575	0.6	3.6	13.6
Brunei	111	102	112	0.0	10.0	2.0
Canada	2,812	2,694	3,102	0.7	15.2	6.6
Chile	683	623	612	0.1	-1.8	4.9
China	95,681	116,006	136,287	31.1	17.5	7.9
Fiji	612	650	680	0.2	4.6	8.7
France	2,237	2,350	2,672	0.6	13.7	5.1
Germany	4,046	4,049	4,496	1.0	11.0	8.4
Greece	104	118	125	0.0	6.1	4.2
Hong Kong (SAR of China)	12,846	15,050	13,419	3.1	-10.8	2.9
India	15,199	20,268	22,316	5.1	10.1	15.5
Indonesia	7,660	8,590	8,520	1.9	-0.8	5.8
Ireland	644	602	929	0.2	54.3	1.6
Italy	1,379	1,424	1,536	0.4	7.8	4.1
Japan	38,451	47,218	58,796	13.4	24.5	1.7
Malaysia	7,873	8,576	10,127	2.3	18.1	4.5
Mexico	570	356	413	0.1	16.0	-6.5
Netherlands	3,116	3,588	4,358	1.0	21.5	9.4
New Zealand	13,253	14,041	15,039	3.4	7.1	5.3
Norway	343	363	449	0.1	23.9	0.6
Papua New Guinea	2,239	2,247	2,697	0.6	20.0	-3.7
Peru (c)	183	214	193	0.0	-9.5	1.1
Philippines	2,713	3,151	3,113	0.7	-1.2	9.7
Republic of Korea	20,430	23,393	26,646	6.1	13.9	3.6
Russian Federation	605	629	792	0.2	26.0	-3.6
Saudi Arabia	1,991	1,635	1,070	0.2	-34.6	-16.1
Singapore	10,709	11,961	14,968	3.4	25.1	6.4
South Africa	1,356	1,813	2,069	0.5	14.1	2.5
Sweden	615	602	723	0.2	20.1	4.0
Switzerland	2,067	2,463	2,140	0.5	-13.1	7.2
Taiwan	8,936	10,404	12,201	2.8	17.3	8.6
Thailand	4,688	5,782	7,827	1.8	35.4	3.2
Turkey	634	1,568	553	0.1	-64.7	-0.9
United Arab Emirates	3,586	4,223	4,655	1.1	10.2	6.4
United Kingdom	15,465	11,550	10,521	2.4	-8.9	6.8
United States	20,620	20,980	23,098	5.3	10.1	6.2
Vietnam	5,185	6,168	6,719	1.5	8.9	14.3
<b>Economic Groups (c)</b>						
APEC	256,256	298,188	344,689	78.7	15.6	5.6
ASEAN	39,378	44,823	51,935	11.9	15.9	6.5
European Union (d)	31,854	29,036	30,144	6.9	3.8	6.3
OECD	131,970	143,086	161,573	36.9	12.9	4.1
G20	240,014	277,133	316,959	72.3	14.4	6.1
<b>Geographic Regions (e)</b>						
Africa	3,763	4,768	5,128	1.2	7.5	1.7
Americas	28,258	29,462	32,444	7.4	10.1	7.1
Asia	245,761	293,147	339,355	77.5	15.8	6.1
Europe	35,943	34,619	34,768	7.9	0.4	6.1
Oceania & Antarctica	17,346	18,207	19,743	4.5	8.4	3.6
Other (f)	6,063	6,755	6,689	1.5	-1.0	0.3
<b>World</b>	<b>337,134</b>	<b>386,959</b>	<b>438,127</b>	<b>100.0</b>	<b>13.2</b>	<b>5.9</b>

(a) All data is on a balance of payments basis, except for goods by economy which are on a recorded trade basis. (b) May exclude selected confidential export or import commodities from partner economy totals as well as for the economy groups. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>) for more information and a list of the commodities excluded. (c) May include a DFAT estimate. (d) Services data is EU27 Jan-07 to Jun-2013, EU28 from Jul-2013. (e) Refer to the Explanatory notes for regional definitions. (f) Includes unallocated and confidential trade.

Based on DFAT STARS database, ABS catalogues 5368.0 & 5368.0.55.003/4 and unpublished ABS data.

**TABLE 12: AUSTRALIA'S IMPORTS OF GOODS AND SERVICES (a) (b)  
BY SELECTED ECONOMIES AND REGIONS  
(A\$ million)**

Selected economies	2016	2017	2018	% share of total	% growth	
					2017 to 2018	5 year trend
Argentina	784	875	836	0.2	-4.5	-2.9
Belgium & Luxembourg	1,957	2,343	2,526	0.6	7.8	6.4
Brazil	940	911	1,016	0.2	11.5	5.6
Brunei	379	324	821	0.2	153.5	-11.5
Canada	3,947	4,241	4,284	1.0	1.0	4.4
Chile	810	760	783	0.2	3.1	-11.1
China	62,323	67,453	78,321	18.9	16.1	8.6
Fiji	1,508	1,495	1,723	0.4	15.3	3.3
France (c)	6,651	7,059	7,752	1.9	9.8	3.3
Germany	16,472	16,992	18,756	4.5	10.4	5.6
Greece	969	928	992	0.2	6.9	-4.2
Hong Kong (SAR of China)	3,912	3,774	4,400	1.1	16.6	2.0
India	6,317	7,353	8,093	2.0	10.1	14.4
Indonesia	8,599	7,777	9,064	2.2	16.5	-1.4
Ireland	4,134	3,258	3,327	0.8	2.1	4.8
Italy	7,796	8,412	9,568	2.3	13.7	4.5
Japan	22,824	24,813	26,967	6.5	8.7	5.1
Malaysia	10,276	12,178	14,054	3.4	15.4	2.8
Mexico	2,676	3,033	3,327	0.8	9.7	9.2
Netherlands	3,414	3,401	3,996	1.0	17.5	3.5
New Zealand	12,378	13,570	14,224	3.4	4.8	4.9
Norway	815	885	982	0.2	11.0	1.2
Papua New Guinea	3,967	3,743	4,010	1.0	7.1	1.6
Peru	501	520	507	0.1	-2.5	17.5
Philippines	1,723	1,593	1,636	0.4	2.7	-1.1
Republic of Korea (c)	11,870	31,746	14,302	3.4	-54.9	10.3
Russian Federation	307	514	392	0.1	-23.8	-22.8
Saudi Arabia	496	464	667	0.2	44.0	11.3
Singapore	12,365	13,370	17,275	4.2	29.2	-3.3
South Africa	1,795	1,775	1,772	0.4	-0.2	4.0
Sweden	2,435	2,926	3,355	0.8	14.6	8.3
Switzerland	4,077	3,784	4,463	1.1	17.9	2.7
Taiwan	4,686	4,725	5,412	1.3	14.5	3.1
Thailand	16,878	17,214	17,900	4.3	4.0	5.8
Turkey	1,145	996	1,263	0.3	26.9	5.0
United Arab Emirates	4,238	4,679	5,905	1.4	26.2	-0.4
United Kingdom	14,869	15,488	16,426	4.0	6.1	4.3
United States (c)	44,955	47,319	50,779	12.2	7.3	3.6
Vietnam	5,641	6,678	7,840	1.9	17.4	8.1
<b>Economic Groups (c)</b>						
APEC	231,347	265,647	276,690	66.7	4.2	4.9
ASEAN	56,429	59,688	69,140	16.7	15.8	1.6
European Union (d)	69,516	71,921	79,134	19.1	10.0	4.4
OECD	175,170	203,344	200,697	48.4	-1.3	5.0
G20	238,493	271,191	280,218	67.5	3.3	5.9
<b>Geographic Regions (e)</b>						
Africa	4,173	4,816	6,234	1.5	29.4	-3.5
Americas	55,946	59,129	63,125	15.2	6.8	3.6
Asia	178,373	210,130	219,593	52.9	4.5	5.7
Europe	76,307	78,521	86,789	20.9	10.5	3.9
Oceania & Antarctica	18,645	19,617	20,877	5.0	6.4	3.6
Other (f)	17,555	5,278	18,373	4.4	248.1	-12.9
<b>World</b>	<b>351,000</b>	<b>377,491</b>	<b>414,991</b>	<b>100.0</b>	<b>9.9</b>	<b>3.9</b>

(a) All data is on a balance of payments basis, except for goods by economy which are on a recorded trade basis. (b) May exclude selected confidential export or import commodities from partner economy totals as well as for the economy groups. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>) for more information and a list of the commodities excluded. (c) May include a DFAT estimate. (d) Services data is EU27 Jan-07 to Jun-2013, EU28 from Jul-2013. (e) Refer to the Explanatory notes for regional definitions. (f) Includes unallocated and confidential trade.

Based on DFAT STARS database, ABS catalogues 5368.0 & 5368.0.55.003/4 and unpublished ABS data.



## **Section 3**

# **Australia's trade in services**

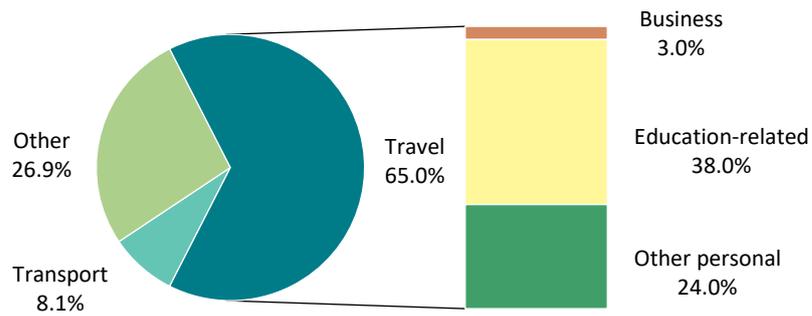
**TABLE 13: AUSTRALIA'S EXPORTS OF SERVICES  
BY TYPE OF ACTIVITY  
(A\$ million)**

Services - Type of activity	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Manufacturing services on physical inputs owned by others</b>	22	12	2	-83.3	-25.9
<b>Maintenance &amp; repair services nie</b>	64	50	39	-22.0	-12.8
<b>Transport services</b>	7,243	7,589	7,546	-0.6	4.1
Passenger (a)	2,747	2,906	2,977	2.4	5.3
Freight	308	276	291	5.4	-2.1
Other transport	2,788	2,853	2,830	-0.8	3.3
Postal & courier services (b)	1,400	1,554	1,448	-6.8	5.0
<b>Travel services</b>	49,827	54,450	60,276	10.7	10.9
Business	2,843	2,906	2,802	-3.6	0.3
Personal	46,984	51,544	57,474	11.5	11.6
Education-related	25,792	30,263	35,234	16.4	15.0
Other personal travel (c)	21,192	21,281	22,240	4.5	7.3
<b>Construction services</b>	183	574	904	57.5	55.4
<b>Insurance &amp; pension services</b>	525	526	602	14.4	2.2
<b>Financial services</b>	3,632	4,270	4,763	11.5	7.0
<b>Charges for the use of intellectual property nie</b>	1,102	1,206	1,291	7.0	8.7
<b>Telecom, computer &amp; information services</b>	3,300	3,674	4,642	26.3	13.1
Telecommunication	427	386	407	5.4	1.0
Computer & information	2,873	3,288	4,235	28.8	14.8
Computer	2,237	2,586	3,025	17.0	11.8
Information	255	277	548	97.8	39.6
Other computer & information	381	425	662	55.8	19.8
<b>Other business services</b>	10,143	10,486	10,465	-0.2	3.5
Research & development	916	839	774	-7.7	2.2
Professional & management consulting	4,947	5,176	5,265	1.7	2.8
Legal, accounting, management consulting, public relations & other professional	4,326	4,745	4,876	2.8	5.4
Advertising, market research & public opinion polling	621	431	389	-9.7	-14.5
Technical, trade-related & other business	4280	4471	4,426	-1.0	4.6
Architectural, engineering & other technical	1508	1271	1,205	-5.2	-6.9
Waste treatment & de-pollution, agricultural & mining	269	411	261	-36.5	-4.2
Operational leasing	152	171	177	3.5	-8.8
Trade-related	730	799	952	19.1	7.3
Other business nie	1621	1819	1,831	0.7	24.4
<b>Personal, cultural &amp; recreational services</b>	938	1021	1,113	9.0	7.6
Audiovisual & related	232	259	297	14.7	11.7
Other personal, cultural & recreational	706	762	816	7.1	6.4
<b>Government services nie</b>	1086	1120	1,142	2.0	4.0
<b>Total Services</b>	<b>78,065</b>	<b>84,978</b>	<b>92,785</b>	<b>9.2</b>	<b>9.0</b>

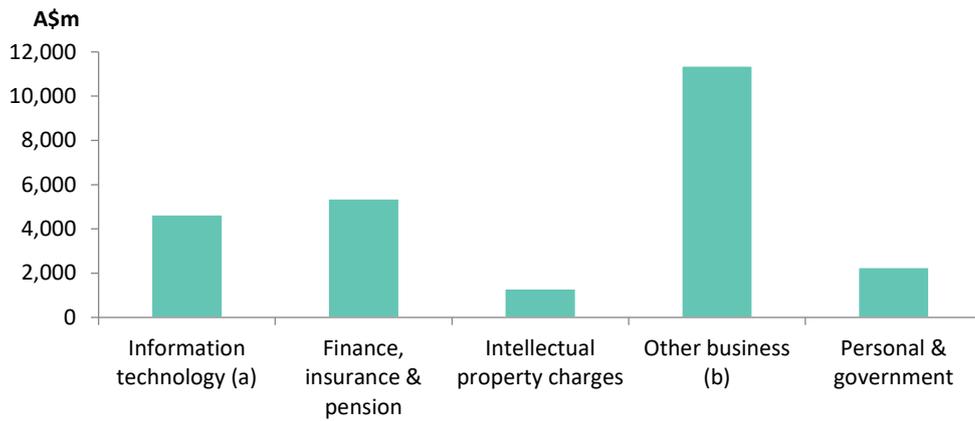
(a) Passenger services includes Agency fees & commissions for air transport. (b) Postal & courier services includes Indirect commissions for sea transport. (c) Other personal travel includes Health-related travel.

Based on ABS catalogue 5302.0. Refer to the section on data sources in the *Explanatory notes*.

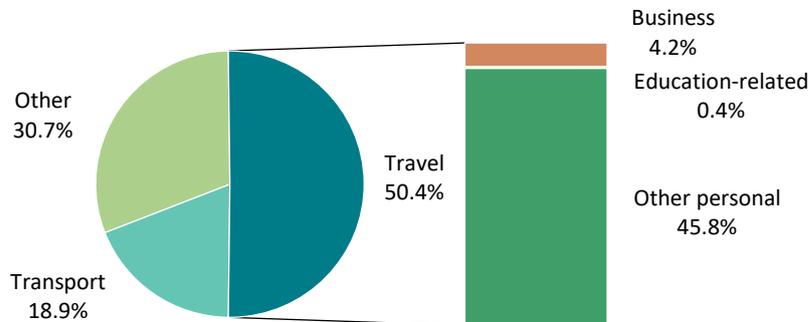
### Australia's exports of services, 2018



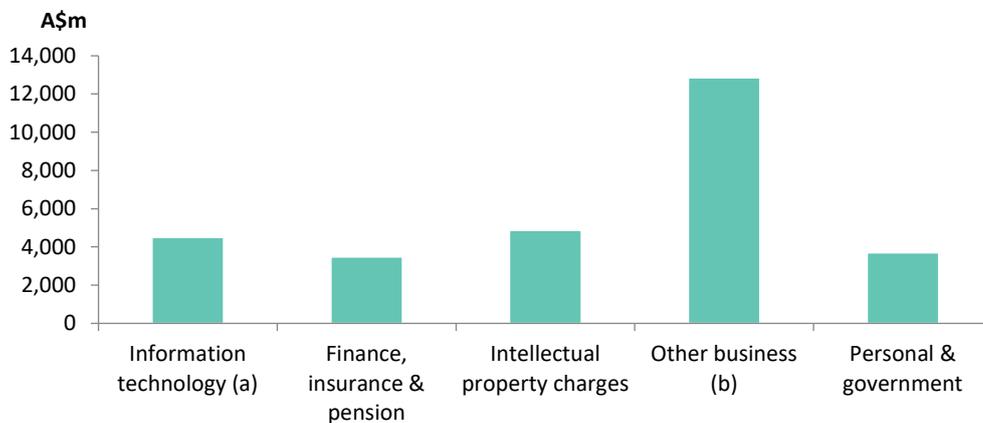
### Selected other services exports by major type, 2018



### Australia's imports of services, 2018



### Selected other services imports by major type, 2018



(a) Includes *Telecommunication, computer & information services*. (b) Includes *Construction services*.  
Based on ABS catalogue 5302.0. Refer to the section on data sources in the *Explanatory notes*.

**TABLE 14: AUSTRALIA'S IMPORTS OF SERVICES  
BY TYPE OF ACTIVITY  
(A\$ million)**

Services - Type of activity	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Manufacturing services on physical inputs owned by others</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>..</b>	<b>..</b>
<b>Maintenance &amp; repair services nie</b>	<b>695</b>	<b>716</b>	<b>700</b>	<b>-2.2</b>	<b>3.0</b>
<b>Transport services</b>	<b>16445</b>	<b>16471</b>	<b>18,470</b>	<b>12.1</b>	<b>1.0</b>
Passenger (a)	6553	6831	7,339	7.4	2.0
Freight	8791	8737	10,108	15.7	-0.2
Other transport	993	798	886	11.0	8.6
Postal & courier services (b)	108	105	137	30.5	6.2
<b>Travel services</b>	<b>41437</b>	<b>44896</b>	<b>49,258</b>	<b>9.7</b>	<b>6.1</b>
Business	3955	4286	4,099	-4.4	1.4
Personal	37482	40610	45,159	11.2	6.6
Education-related	393	351	355	1.1	4.1
Other personal travel (c)	37089	40259	44,804	11.3	6.6
<b>Construction services</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>..</b>	<b>..</b>
<b>Insurance &amp; pension services</b>	<b>730</b>	<b>699</b>	<b>733</b>	<b>4.9</b>	<b>0.6</b>
<b>Financial services</b>	<b>2471</b>	<b>2961</b>	<b>2,742</b>	<b>-7.4</b>	<b>5.7</b>
<b>Charges for the use of intellectual property nie</b>	<b>4463</b>	<b>4461</b>	<b>4,859</b>	<b>8.9</b>	<b>2.6</b>
<b>Telecom, computer &amp; information services</b>	<b>3553</b>	<b>3935</b>	<b>4,488</b>	<b>14.1</b>	<b>11.3</b>
Telecommunication	714	983	975	-0.8	25.9
Computer & information	2839	2952	3,513	19.0	8.3
Computer	2130	2156	2,378	10.3	5.0
Information	284	329	374	13.7	18.1
Other computer & information	425	467	761	63.0	18.9
<b>Other business services</b>	<b>10986</b>	<b>11637</b>	<b>12,837</b>	<b>10.3</b>	<b>1.3</b>
Research & development	187	165	220	33.3	-9.3
Professional & management consulting	5744	6666	7,086	6.3	6.3
Legal, accounting, management consulting, public relations & other professional	5025	5876	6,376	8.5	5.0
Advertising, market research & public opinion polling	719	790	710	-10.1	21.4
Technical, trade-related & other business	5055	4806	5,531	15.1	-3.4
Architectural, engineering & other technical	2446	1927	1,794	-6.9	-13.1
Waste treatment & de-pollution, agricultural & mining	286	268	261	-2.6	-7.8
Operational leasing	393	389	322	-17.2	-8.8
Trade-related	330	260	298	14.6	-4.9
Other business nie	1600	1962	2,856	45.6	14.2
<b>Personal, cultural &amp; recreational services</b>	<b>1887</b>	<b>2029</b>	<b>2,032</b>	<b>0.1</b>	<b>3.6</b>
Audiovisual & related	1650	1690	1,607	-4.9	3.7
Other personal, cultural & recreational	237	339	425	25.4	3.0
<b>Government services nie</b>	<b>1298</b>	<b>1468</b>	<b>1,664</b>	<b>13.4</b>	<b>8.9</b>
<b>Total Services</b>	<b>83,965</b>	<b>89,273</b>	<b>97,783</b>	<b>9.5</b>	<b>4.3</b>

(a) Passenger services includes Agency fees & commissions for air transport. (b) Postal & courier services includes Indirect commissions for sea transport. (c) Other personal travel includes Health-related travel.

Based on ABS catalogue 5302.0. Refer to the section on data sources in the *Explanatory notes*.

**TABLE 15: AUSTRALIA'S TRADE IN SERVICES (a)  
BY TOP 15 PARTNERS  
(A\$ million)**

Australia's top services two-way trading partners							
Rank		2016	2017	2018	% share of total	% growth	
						2017 to 2018	5 year trend
1	United States	23,414	24,841	27,163	14.3	9.3	5.2
2	China	16,236	18,764	21,326	11.2	13.7	17.4
3	United Kingdom	13,060	14,013	14,675	7.7	4.7	4.2
4	New Zealand	9,307	10,696	11,694	6.1	9.3	8.8
5	Singapore	10,443	10,428	10,831	5.7	3.9	4.8
6	India	5,737	6,655	8,189	4.3	23.1	16.3
7	Japan	5,366	5,961	6,704	3.5	12.5	7.6
8	Hong Kong (SAR of China)	5,819	6,013	6,459	3.4	7.4	7.0
9	Indonesia	5,328	5,176	5,765	3.0	11.4	5.2
10	Germany	4,579	4,904	5,501	2.9	12.2	7.7
11	Thailand	3,417	4,125	4,232	2.2	2.6	3.3
12	Malaysia	3,343	3,602	3,654	1.9	1.4	0.3
13	United Arab Emirates	2,885	3,343	3,581	1.9	7.1	6.3
14	France	3,114	3,086	3,476	1.8	12.6	6.4
15	Vietnam	2,524	3,123	3,442	1.8	10.2	9.4
<b>Total all economies</b>		<b>162,030</b>	<b>174,251</b>	<b>190,568</b>	<b>100.0</b>	<b>9.4</b>	<b>6.5</b>
<i>of which: APEC</i>		96,651	104,838	114,128	59.9	8.9	7.5
<i>ASEAN</i>		27,427	28,886	30,487	16.0	5.5	4.6
<i>European Union (b)</i>		32,111	33,498	36,141	19.0	7.9	3.8
<i>OECD</i>		79,536	84,619	91,785	48.2	8.5	5.2
<i>G20</i>		97,560	104,808	115,714	60.7	10.4	7.2

Australia's top services export markets							
Rank		2016	2017	2018	% share of total	% growth	
						2017 to 2018	5 year trend
1	China	13,418	15,829	17,908	19.3	13.1	19.8
2	United States	8,185	8,710	9,658	10.4	10.9	8.5
3	India	3,786	4,411	5,594	6.0	26.8	20.5
4	United Kingdom	5,317	5,401	5,488	5.9	1.6	2.5
5	New Zealand	4,514	4,940	5,357	5.8	8.4	5.7
6	Singapore	5,209	5,333	5,131	5.5	-3.8	7.8
7	Hong Kong (SAR of China)	2,829	2,993	3,066	3.3	2.4	8.7
8	Malaysia	2,382	2,612	2,634	2.8	0.8	5.9
9	Japan	2,180	2,259	2,515	2.7	11.3	5.2
10	Nepal	914	1,356	2,214	2.4	63.3	30.5
11	Republic of Korea	2,197	2,157	2,210	2.4	2.5	4.5
12	Germany	1,631	1,643	1,786	1.9	8.7	7.8
13	Vietnam	1,392	1,540	1,700	1.8	10.4	7.4
14	Indonesia	1,637	1,600	1,697	1.8	6.1	3.9
15	Taiwan	1,257	1,430	1,563	1.7	9.3	13.3
<b>Total all economies</b>		<b>78,065</b>	<b>84,978</b>	<b>92,785</b>	<b>100.0</b>	<b>9.2</b>	<b>9.0</b>
<i>of which: APEC</i>		49,225	53,744	58,067	62.6	8.0	10.0
<i>ASEAN</i>		12,791	13,530	13,721	14.8	1.4	6.8
<i>European Union (b)</i>		11,589	11,610	12,549	13.5	8.1	3.1
<i>OECD</i>		31,311	32,492	35,250	38.0	8.5	5.1
<i>G20</i>		45,915	49,863	55,718	60.1	11.7	10.1

**TABLE 15: AUSTRALIA'S TRADE IN SERVICES (a)  
BY TOP 15 PARTNERS (cont'd)  
(A\$ million)**

Australia's top services import sources							
Rank		2016	2017	2018	% share of total	% growth	
						2017 to 2018	5 year trend
1	United States	15,229	16,131	17,505	17.9	8.5	3.5
2	United Kingdom	7,743	8,612	9,187	9.4	6.7	5.2
3	New Zealand	4,793	5,756	6,337	6.5	10.1	12.0
4	Singapore	5,234	5,095	5,700	5.8	11.9	2.2
5	Japan	3,186	3,702	4,189	4.3	13.2	9.2
6	Indonesia	3,691	3,576	4,068	4.2	13.8	5.8
7	Germany	2,948	3,261	3,715	3.8	13.9	7.6
8	China	2,818	2,935	3,418	3.5	16.5	7.8
9	Hong Kong (SAR of China)	2,990	3,020	3,393	3.5	12.4	5.5
10	Thailand	2,297	2,820	2,960	3.0	5.0	2.2
11	United Arab Emirates	2,193	2,568	2,854	2.9	11.1	6.9
12	India	1,951	2,244	2,595	2.7	15.6	9.6
13	Italy	1,896	2,171	2,530	2.6	16.5	9.9
14	France	2,140	2,158	2,438	2.5	13.0	7.8
15	Canada	1,846	2,095	2,136	2.2	2.0	9.8
<b>Total all economies</b>		<b>83,965</b>	<b>89,273</b>	<b>97,783</b>	<b>100.0</b>	<b>9.5</b>	<b>4.3</b>
<i>of which: APEC</i>		47,426	51,094	56,061	57.3	9.7	5.1
<i>ASEAN</i>		14,636	15,356	16,766	17.1	9.2	2.8
<i>European Union (b)</i>		20,522	21,888	23,592	24.1	7.8	4.3
<i>OECD</i>		48,225	52,127	56,535	57.8	8.5	5.2
<i>G20</i>		51,645	54,945	59,996	61.4	9.2	4.9

(a) Cells in this table may have been perturbed to protect confidentiality - see section on services in the *Explanatory notes*. (b) EU27 from January 2007 to June 2013, EU28 from July 2013.

Based on ABS catalogue 5368.0.55.003/4 and unpublished ABS data.

**TABLE 16: AUSTRALIA'S TOTAL TRADE IN SERVICES (a)  
BY SELECTED ECONOMIES AND REGIONS  
(A\$ million)**

Selected economies	2016	2017	2018	% share of total	% growth	
					2017 to 2018	5 year trend
Argentina	199	263	257	0.1	-2.3	4.8
Belgium & Luxembourg	390	551	598	0.3	8.5	16.5
Brazil	922	1,155	1,349	0.7	16.8	11.3
Brunei	132	113	116	0.1	2.7	-1.6
Canada	2,882	3,164	3,326	1.7	5.1	8.1
Chile	482	541	609	0.3	12.6	6.2
China	16,236	18,764	21,326	11.2	13.7	17.4
Fiji	1,509	1,545	1,756	0.9	13.7	3.9
France	3,114	3,086	3,476	1.8	12.6	6.4
Germany	4,579	4,904	5,501	2.9	12.2	7.7
Greece	846	796	820	0.4	3.0	-6.4
Hong Kong (SAR of China)	5,819	6,013	6,459	3.4	7.4	7.0
India	5,737	6,655	8,189	4.3	23.1	16.3
Indonesia	5,328	5,176	5,765	3.0	11.4	5.2
Ireland	1,944	1,945	2,227	1.2	14.5	2.6
Italy	2,521	2,843	3,183	1.7	12.0	8.5
Japan	5,366	5,961	6,704	3.5	12.5	7.6
Malaysia	3,343	3,602	3,654	1.9	1.4	0.3
Mexico	276	332	358	0.2	7.8	10.0
Netherlands	1,619	1,569	1,699	0.9	8.3	-3.2
New Zealand	9,307	10,696	11,694	6.1	9.3	8.8
Norway	771	763	817	0.4	7.1	1.7
Papua New Guinea	929	908	937	0.5	3.2	-2.8
Peru	213	234	256	0.1	9.4	3.7
Philippines	1,717	1,736	1,839	1.0	5.9	5.2
Republic of Korea	3,095	3,051	3,088	1.6	1.2	3.9
Russian Federation	220	249	350	0.2	40.6	-1.7
Saudi Arabia	446	411	388	0.2	-5.6	-2.9
Singapore	10,443	10,428	10,831	5.7	3.9	4.8
South Africa	1,083	1,031	974	0.5	-5.5	0.1
Sweden	703	942	953	0.5	1.2	17.3
Switzerland	1,897	1,770	1,803	0.9	1.9	0.4
Taiwan	1,505	1,778	1,980	1.0	11.4	13.0
Thailand	3,417	4,125	4,232	2.2	2.6	3.3
Turkey	245	257	336	0.2	30.7	-5.9
United Arab Emirates	2,885	3,343	3,581	1.9	7.1	6.3
United Kingdom	13,060	14,013	14,675	7.7	4.7	4.2
United States	23,414	24,841	27,163	14.3	9.3	5.2
Vietnam	2,524	3,123	3,442	1.8	10.2	9.4
<b>Economy Groups (b)</b>						
APEC	96,651	104,838	114,128	59.9	8.9	7.5
ASEAN	27,427	28,886	30,487	16.0	5.5	4.6
European Union (c)	32,111	33,498	36,141	19.0	7.9	3.8
OECD	79,536	84,619	91,785	48.2	8.5	5.2
G20	97,560	104,808	115,714	60.7	10.4	7.2
<b>Geographic Regions (b)</b>						
Africa	2,641	2,653	2,926	1.5	10.3	4.5
Americas	29,929	32,484	35,494	18.6	9.3	6.1
Asia	74,828	81,768	91,035	47.8	11.3	9.2
Europe	35,702	37,035	39,975	21.0	7.9	3.3
Oceania & Antarctica	12,832	14,273	15,588	8.2	9.2	6.6
Other (d)	6,098	6,038	5,550	2.9	-8.1	-2.9
<b>World</b>	<b>162,030</b>	<b>174,251</b>	<b>190,568</b>	<b>100.0</b>	<b>9.4</b>	<b>6.5</b>

(a) Cells in this table may have been perturbed to protect confidentiality - see section on services in the *Explanatory notes*. (b) Refer to *Appendix B* for groupings. (c) EU27 from January 2007 to June 2013, EU28 from July 2013. (d) Includes unallocated and confidential trade. Based on ABS catalogue 5368.0.55.003/4.

**TABLE 17: AUSTRALIA'S EXPORTS OF SERVICES (a)  
BY SELECTED ECONOMIES AND REGIONS  
(A\$ million)**

Selected economies	2016	2017	2018	% share of total	% growth	
					2017 to 2018	5 year trend
Argentina	82	119	129	0.1	8.4	16.4
Belgium & Luxembourg	155	224	203	0.2	-9.4	6.1
Brazil	739	985	1,162	1.3	18.0	14.6
Brunei	68	61	62	0.1	1.6	3.4
Canada	1,036	1,069	1,190	1.3	11.3	5.2
Chile	205	235	288	0.3	22.6	8.1
China	13,418	15,829	17,908	19.3	13.1	19.8
Fiji	191	226	207	0.2	-8.4	7.0
France	974	928	1,038	1.1	11.9	3.5
Germany	1,631	1,643	1,786	1.9	8.7	7.8
Greece	88	99	94	0.1	-5.1	1.1
Hong Kong (SAR of China)	2,829	2,993	3,066	3.3	2.4	8.7
India	3,786	4,411	5,594	6.0	26.8	20.5
Indonesia	1,637	1,600	1,697	1.8	6.1	3.9
Ireland	541	504	822	0.9	63.1	0.2
Italy	625	672	653	0.7	-2.8	4.2
Japan	2,180	2,259	2,515	2.7	11.3	5.2
Malaysia	2,382	2,612	2,634	2.8	0.8	5.9
Mexico	106	133	134	0.1	0.8	12.7
Netherlands	469	496	727	0.8	46.6	5.8
New Zealand	4,514	4,940	5,357	5.8	8.4	5.7
Norway	275	277	278	0.3	0.4	0.4
Papua New Guinea	519	501	518	0.6	3.4	-2.7
Peru	65	70	73	0.1	4.3	-2.0
Philippines	772	821	920	1.0	12.1	7.8
Republic of Korea	2,197	2,157	2,210	2.4	2.5	4.5
Russian Federation	132	143	172	0.2	20.3	-3.5
Saudi Arabia	385	357	325	0.4	-9.0	-4.2
Singapore	5,209	5,333	5,131	5.5	-3.8	7.8
South Africa	348	373	363	0.4	-2.7	-3.2
Sweden	318	304	301	0.3	-1.0	-0.3
Switzerland	990	1,023	968	1.0	-5.4	0.3
Taiwan	1,257	1,430	1,563	1.7	9.3	13.3
Thailand	1,120	1,305	1,272	1.4	-2.5	6.5
Turkey	95	108	112	0.1	3.7	-2.5
United Arab Emirates	692	775	727	0.8	-6.2	4.2
United Kingdom	5,317	5,401	5,488	5.9	1.6	2.5
United States	8,185	8,710	9,658	10.4	10.9	8.5
Vietnam	1,392	1,540	1,700	1.8	10.4	7.4
<b>Economy Groups (b)</b>						
APEC	49,225	53,744	58,067	62.6	8.0	10.0
ASEAN	12,791	13,530	13,721	14.8	1.4	6.8
European Union (c)	11,589	11,610	12,549	13.5	8.1	3.1
OECD	31,311	32,492	35,250	38.0	8.5	5.1
G20	45,915	49,863	55,718	60.1	11.7	10.1
<b>Geographic Regions (b)</b>						
Africa	1,185	1,255	1,308	1.4	4.2	3.1
Americas	11,414	12,653	14,139	15.2	11.7	9.6
Asia	43,466	48,164	53,358	57.5	10.8	12.2
Europe	13,243	13,374	14,261	15.4	6.6	2.6
Oceania & Antarctica	5,622	6,075	6,453	7.0	6.2	4.5
Other (d)	3,135	3,457	3,266	3.5	-5.5	5.5
<b>World</b>	<b>78,065</b>	<b>84,978</b>	<b>92,785</b>	<b>100.0</b>	<b>9.2</b>	<b>9.0</b>

(a) Cells in this table may have been perturbed to protect confidentiality - see section on services in the *Explanatory notes*. (b) Refer to *Appendix B* for groupings. (c) EU27 from January 2007 to June 2013, EU28 from July 2013. (d) Includes unallocated and confidential trade. Based on ABS catalogue 5368.0.55.003/4.

**TABLE 18: AUSTRALIA'S IMPORTS OF SERVICES (a)  
BY SELECTED ECONOMIES AND REGIONS  
(A\$ million)**

Selected economies	2016	2017	2018	% share of total	% growth	
					2017 to 2018	5 year trend
Argentina	117	144	128	0.1	-11.1	-2.1
Belgium & Luxembourg	235	327	395	0.4	20.8	25.7
Brazil	183	170	187	0.2	10.0	-1.3
Brunei	64	52	54	0.1	3.8	-6.2
Canada	1,846	2,095	2,136	2.2	2.0	9.8
Chile	277	306	321	0.3	4.9	4.6
China	2,818	2,935	3,418	3.5	16.5	7.8
Fiji	1,318	1,319	1,549	1.6	17.4	3.5
France	2,140	2,158	2,438	2.5	13.0	7.8
Germany	2,948	3,261	3,715	3.8	13.9	7.6
Greece	758	697	726	0.7	4.2	-7.2
Hong Kong (SAR of China)	2,990	3,020	3,393	3.5	12.4	5.5
India	1,951	2,244	2,595	2.7	15.6	9.6
Indonesia	3,691	3,576	4,068	4.2	13.8	5.8
Ireland	1,403	1,441	1,405	1.4	-2.5	3.7
Italy	1,896	2,171	2,530	2.6	16.5	9.9
Japan	3,186	3,702	4,189	4.3	13.2	9.2
Malaysia	961	990	1,020	1.0	3.0	-9.3
Mexico	170	199	224	0.2	12.6	8.6
Netherlands	1,150	1,073	972	1.0	-9.4	-7.3
New Zealand	4,793	5,756	6,337	6.5	10.1	12.0
Norway	496	486	539	0.6	10.9	2.4
Papua New Guinea	410	407	419	0.4	2.9	-2.9
Peru	148	164	183	0.2	11.6	6.7
Philippines	945	915	919	0.9	0.4	3.0
Republic of Korea	898	894	878	0.9	-1.8	2.4
Russian Federation	88	106	178	0.2	67.9	0.3
Saudi Arabia	61	54	63	0.1	16.7	7.0
Singapore	5,234	5,095	5,700	5.8	11.9	2.2
South Africa	735	658	611	0.6	-7.1	2.2
Sweden	385	638	652	0.7	2.2	36.6
Switzerland	907	747	835	0.9	11.8	0.6
Taiwan	248	348	417	0.4	19.8	11.8
Thailand	2,297	2,820	2,960	3.0	5.0	2.2
Turkey	150	149	224	0.2	50.3	-7.6
United Arab Emirates	2,193	2,568	2,854	2.9	11.1	6.9
United Kingdom	7,743	8,612	9,187	9.4	6.7	5.2
United States	15,229	16,131	17,505	17.9	8.5	3.5
Vietnam	1,132	1,583	1,742	1.8	10.0	11.6
<b>Economy Groups (b)</b>						
APEC	47,426	51,094	56,061	57.3	9.7	5.1
ASEAN	14,636	15,356	16,766	17.1	9.2	2.8
European Union (c)	20,522	21,888	23,592	24.1	7.8	4.3
OECD	48,225	52,127	56,535	57.8	8.5	5.2
G20	51,645	54,945	59,996	61.4	9.2	4.9
<b>Geographic Regions (b)</b>						
Africa	1,456	1,398	1,618	1.7	15.7	5.7
Americas	18,515	19,831	21,355	21.8	7.7	4.0
Asia	31,362	33,604	37,677	38.5	12.1	5.5
Europe	22,459	23,661	25,714	26.3	8.7	3.7
Oceania & Antarctica	7,210	8,198	9,135	9.3	11.4	8.3
Other (d)	2,963	2,581	2,284	2.3	-11.5	-10.4
<b>World</b>	<b>83,965</b>	<b>89,273</b>	<b>97,783</b>	<b>100.0</b>	<b>9.5</b>	<b>4.3</b>

(a) Cells in this table may have been perturbed to protect confidentiality - see section on services in the *Explanatory notes*. (b) Refer to *Appendix B* for groupings. (c) EU27 from January 2007 to June 2013, EU28 from July 2013. (d) Includes unallocated and confidential trade. Based on ABS catalogue 5368.0.55.003/4.



# **AUSTRALIA'S MERCHANDISE TRADE ON A RECORDED TRADE BASIS**

## **Section 4**

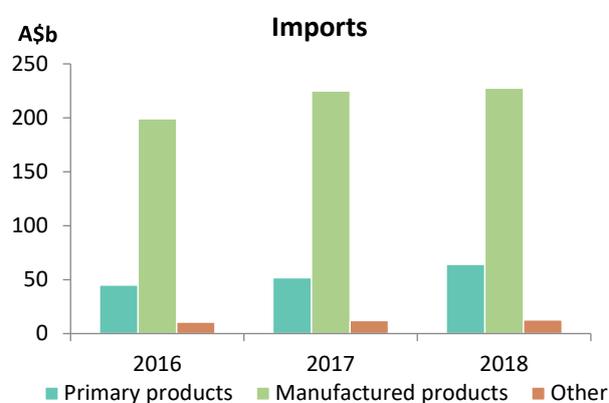
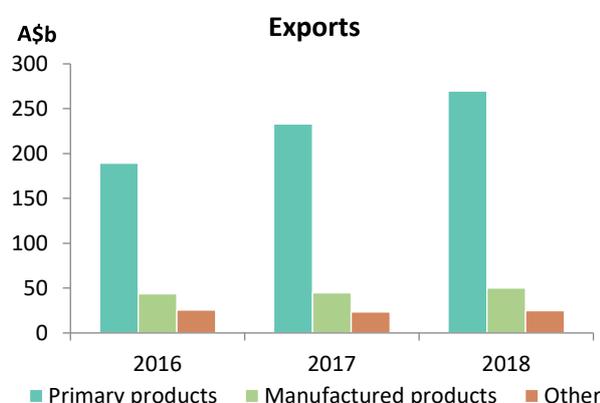
**Australia's merchandise trade  
by level of processing**



**TABLE 19: AUSTRALIA'S MERCHANDISE TRADE BY BROAD CATEGORY**  
**TOTAL EXPORTS AND IMPORTS (a)**  
**(A\$ million)**

Merchandise exports						
TRIEC	2016	2017	2018	% share	% growth	
					2017 to 2018	5 year trend
<b>Primary products (b)</b>	<b>189,392</b>	<b>232,952</b>	<b>269,710</b>	<b>78.1</b>	<b>15.8</b>	<b>5.6</b>
Unprocessed food	15,734	18,722	14,770	4.3	-21.1	1.5
Processed food	23,737	25,501	27,270	7.9	6.9	6.7
Minerals	74,149	88,147	95,090	27.5	7.9	0.6
Fuels	67,730	91,178	122,319	35.4	34.2	11.5
Other primary	8,042	9,403	10,260	3.0	9.1	6.4
<b>Manufactured products (b)</b>	<b>43,694</b>	<b>44,907</b>	<b>50,128</b>	<b>14.5</b>	<b>11.6</b>	<b>3.3</b>
STM (excl Nickel)	13,304	14,407	16,746	4.8	16.2	3.1
ETM	30,391	30,500	33,382	9.7	9.5	3.4
<b>Other (b)</b>	<b>25,383</b>	<b>23,477</b>	<b>24,676</b>	<b>7.1</b>	<b>5.1</b>	<b>4.7</b>
Gold	18,856	17,619	19,137	5.5	8.6	7.9
<b>Total merchandise exports (b)</b>	<b>259,069</b>	<b>301,981</b>	<b>345,342</b>	<b>100.0</b>	<b>14.4</b>	<b>5.2</b>

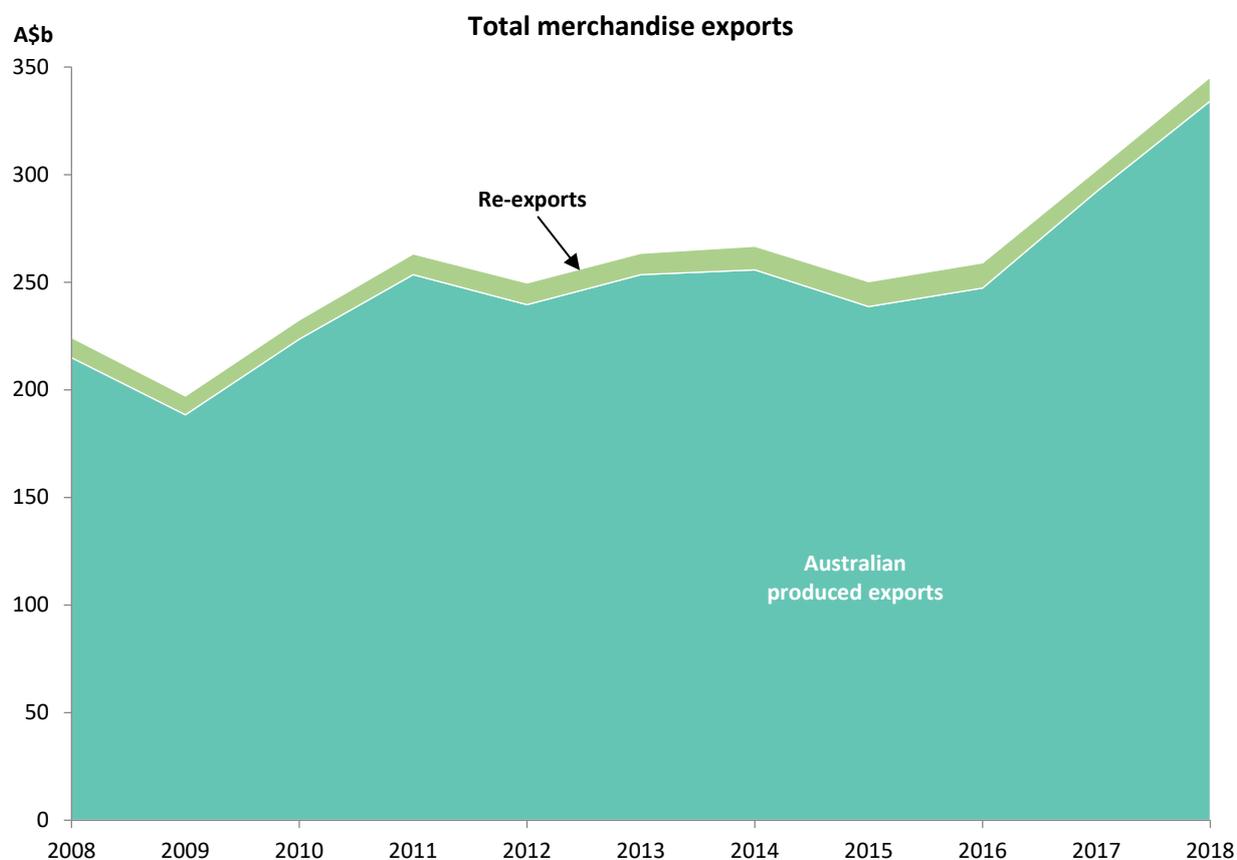
Merchandise imports						
TRIEC	2016	2017	2018	% share	% growth	
					2017 to 2018	5 year trend
<b>Primary products (b)</b>	<b>44,796</b>	<b>51,645</b>	<b>64,091</b>	<b>20.2</b>	<b>24.1</b>	<b>-0.0</b>
Unprocessed food	2,157	2,294	2,232	0.7	-2.7	6.7
Processed food	15,911	16,145	17,355	5.5	7.5	6.9
Minerals	1,317	1,494	1,605	0.5	7.4	13.7
Fuels	23,696	29,901	40,770	12.9	36.4	-3.6
Other primary	1,714	1,811	2,130	0.7	17.6	6.9
<b>Manufactured products (b)</b>	<b>199,038</b>	<b>224,704</b>	<b>227,378</b>	<b>71.7</b>	<b>1.2</b>	<b>5.7</b>
STM	15,496	15,044	15,481	4.9	2.9	1.7
ETM	183,542	209,659	211,897	66.8	1.1	6.1
<b>Other (b)</b>	<b>10,535</b>	<b>11,969</b>	<b>12,744</b>	<b>4.0</b>	<b>6.5</b>	<b>4.1</b>
Gold	7,468	6,220	6,385	2.0	2.6	9.8
<b>Total merchandise imports (c)</b>	<b>267,035</b>	<b>288,218</b>	<b>317,208</b>	<b>100.0</b>	<b>10.1</b>	<b>3.8</b>



(a) Totals will not add due to recorded trade versus Balance of payments methodology. (b) Recorded trade basis. (c) Balance of payments basis.  
 Source: DFAT STARS database.

**TABLE 20: AUSTRALIA'S MERCHANDISE EXPORTS BY BROAD CATEGORY**  
**AUSTRALIAN PRODUCED EXPORTS**  
**(A\$ million)**

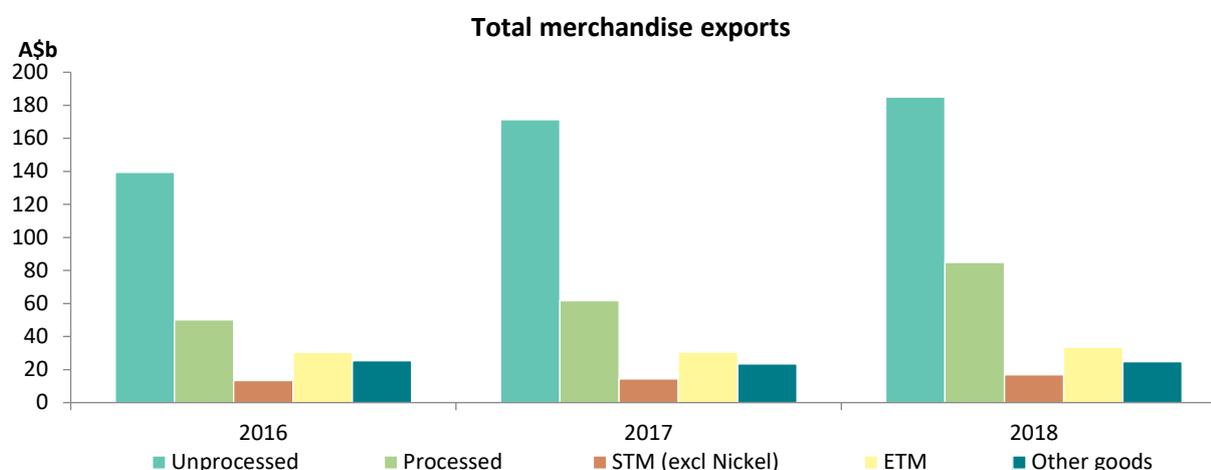
TRIEC	2016	2017	2018	% share	% growth	
					2017 to 2018	5 year trend
<b>Primary products</b>	<b>188,651</b>	<b>232,418</b>	<b>268,653</b>	<b>80.4</b>	<b>15.6</b>	<b>5.6</b>
Unprocessed food	15,639	18,691	14,739	4.4	-21.1	1.5
Processed food	23,170	25,064	26,305	7.9	5.0	6.4
Minerals	74,125	88,134	95,073	28.4	7.9	0.6
Fuels	67,702	91,139	122,287	36.6	34.2	11.5
Other primary	8,015	9,390	10,249	3.1	9.1	6.4
<b>Manufactured products</b>	<b>34,192</b>	<b>36,940</b>	<b>41,376</b>	<b>12.4</b>	<b>12.0</b>	<b>3.8</b>
STM (excl Nickel)	12,948	14,202	16,484	4.9	16.1	3.2
ETM	21,244	22,738	24,893	7.4	9.5	4.2
<b>Other</b>	<b>24,521</b>	<b>22,785</b>	<b>24,178</b>	<b>7.2</b>	<b>6.1</b>	<b>4.9</b>
Gold	18,849	17,606	19,043	5.7	8.2	7.9
<b>Australian produced exports (a)</b>	<b>247,364</b>	<b>292,143</b>	<b>334,207</b>	<b>100.0</b>	<b>14.4</b>	<b>5.3</b>
Re-exports	11,705	9,838	11,135	..	13.2	0.8
<b>Total merchandise exports (b)</b>	<b>259,069</b>	<b>301,981</b>	<b>345,342</b>	<b>..</b>	<b>14.4</b>	<b>5.2</b>



(a) Australian produced exports excludes re-exports (see the *Explanatory notes*). (b) Balance of payments basis.  
 Source: DFAT STARS database.

**TABLE 21: AUSTRALIA'S TOTAL MERCHANDISE EXPORTS  
BY BROAD LEVEL OF PROCESSING (a)  
(A\$ million)**

TRIEC		2016	2017	2018	% share	% growth	
						2017 to 2018	5 year trend
	<b>Primary products (b)(c)</b>	<b>189,392</b>	<b>232,952</b>	<b>269,710</b>	<b>78.1</b>	<b>15.8</b>	<b>5.6</b>
<b>11</b>	<b>Unprocessed</b>	<b>139,335</b>	<b>171,202</b>	<b>184,924</b>	<b>53.5</b>	<b>8.0</b>	<b>3.4</b>
111	Food	15,734	18,722	14,770	4.3	-21.1	1.5
112	Minerals	68,655	80,819	85,051	24.6	5.2	-0.2
113	Fuels	47,021	62,378	74,953	21.7	20.2	8.9
114	Other primary products	7,925	9,284	10,149	2.9	9.3	6.5
<b>12</b>	<b>Processed</b>	<b>50,057</b>	<b>61,750</b>	<b>84,786</b>	<b>24.6</b>	<b>37.3</b>	<b>12.1</b>
121	Food	23,737	25,501	27,270	7.9	6.9	6.7
122	Minerals	5,494	7,328	10,039	2.9	37.0	10.6
123	Fuels	20,709	28,800	47,366	13.7	64.5	17.1
124	Other primary products	117	120	111	0.0	-7.2	-2.0
	<b>Manufactured products (b)(c)</b>	<b>43,694</b>	<b>44,907</b>	<b>50,128</b>	<b>14.5</b>	<b>11.6</b>	<b>3.3</b>
<b>23</b>	<b>Simply transformed (excl Nickel)</b>	<b>13,304</b>	<b>14,407</b>	<b>16,746</b>	<b>4.8</b>	<b>16.2</b>	<b>3.1</b>
231	Mineral manufactures & metals	9,705	10,858	12,697	3.7	16.9	3.3
232	Chemicals & other semi-manuf	3,571	3,519	4,023	1.2	14.3	2.6
233	Other manufactures	28	31	26	0.0	-14.0	2.4
<b>24</b>	<b>Elaborately transformed</b>	<b>30,391</b>	<b>30,500</b>	<b>33,382</b>	<b>9.7</b>	<b>9.5</b>	<b>3.4</b>
241	Mineral manufactures & metals	814	932	1,091	0.3	17.1	-13.8
242	Chemicals & other semi-manuf	6,383	6,800	8,270	2.4	21.6	7.6
243	Engineering products	18,707	18,038	18,992	5.5	5.3	2.4
244	Other manufactures	4,486	4,729	5,029	1.5	6.3	7.5
	<b>Other goods (b)</b>	<b>25,383</b>	<b>23,477</b>	<b>24,676</b>	<b>7.1</b>	<b>5.1</b>	<b>4.7</b>
302	Gold	18,856	17,619	19,137	5.5	8.6	7.9
	Other	6,527	5,858	5,539	1.6	-5.4	-3.2
<b>Total merchandise exports (d)</b>		<b>259,069</b>	<b>301,981</b>	<b>345,342</b>	<b>100.0</b>	<b>14.4</b>	<b>5.2</b>

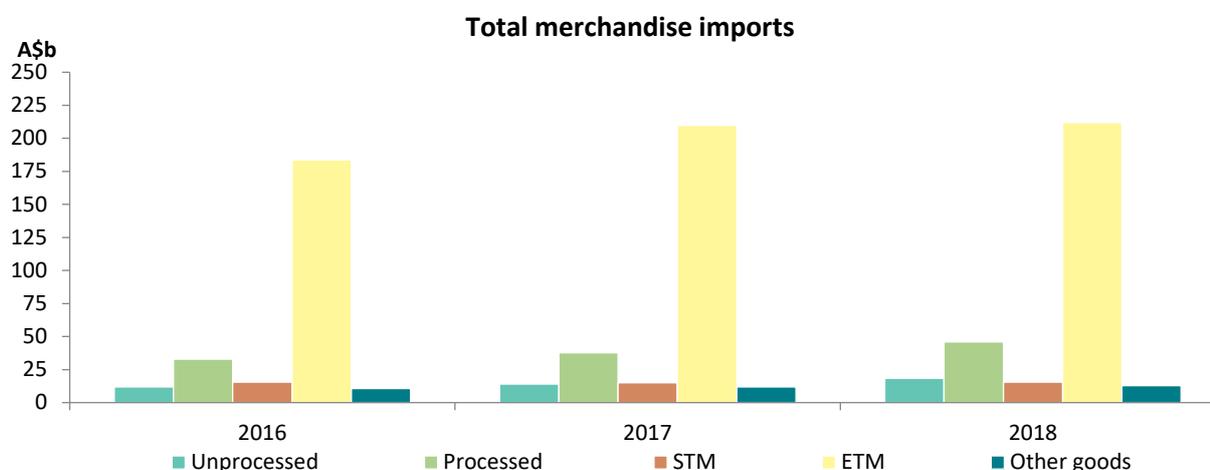


(a) Totals will not add due to recorded trade versus Balance of payments methodology. (b) Recorded trade basis. (c) Excludes commodities subject to a confidentiality restriction. (d) Balance of payments basis.

Source: DFAT STARS database.

**TABLE 22: AUSTRALIA'S TOTAL MERCHANDISE IMPORTS  
BY BROAD LEVEL OF PROCESSING (a)  
(A\$ million)**

TRIEC		2016	2017	2018	% share	% growth	
						2017 to 2018	5 year trend
	<b>Primary products (b)(c)</b>	<b>44,796</b>	<b>51,645</b>	<b>64,091</b>	<b>20.2</b>	<b>24.1</b>	<b>-0.0</b>
<b>11</b>	<b>Unprocessed</b>	<b>11,934</b>	<b>13,909</b>	<b>18,269</b>	<b>5.8</b>	<b>31.3</b>	<b>-9.0</b>
111	Food	2,157	2,294	2,232	0.7	-2.7	6.7
112	Minerals	1,222	1,445	1,531	0.5	5.9	17.4
113	Fuels	7,976	9,552	13,821	4.4	44.7	-13.0
114	Other primary products	579	617	685	0.2	11.1	7.7
<b>12</b>	<b>Processed</b>	<b>32,861</b>	<b>37,736</b>	<b>45,823</b>	<b>14.4</b>	<b>21.4</b>	<b>5.2</b>
121	Food	15,911	16,145	17,355	5.5	7.5	6.9
122	Minerals	95	49	74	0.0	51.6	-17.9
123	Fuels	15,719	20,348	26,950	8.5	32.4	3.9
124	Other primary products	1,136	1,194	1,444	0.5	21.0	6.5
	<b>Manufactured products (b)(c)</b>	<b>199,038</b>	<b>224,704</b>	<b>227,378</b>	<b>71.7</b>	<b>1.2</b>	<b>5.7</b>
<b>23</b>	<b>Simply transformed</b>	<b>15,496</b>	<b>15,044</b>	<b>15,481</b>	<b>4.9</b>	<b>2.9</b>	<b>1.7</b>
231	Mineral manufactures & metals	3,678	3,138	3,398	1.1	8.3	-1.8
232	Chemicals & other semi-manuf	11,321	11,420	11,601	3.7	1.6	2.7
233	Other manufactures	497	486	482	0.2	-0.9	3.7
<b>24</b>	<b>Elaborately transformed</b>	<b>183,542</b>	<b>209,659</b>	<b>211,897</b>	<b>66.8</b>	<b>1.1</b>	<b>6.1</b>
241	Mineral manufactures & metals	4,891	5,752	6,903	2.2	20.0	2.1
242	Chemicals & other semi-manuf	24,058	24,554	26,908	8.5	9.6	4.9
243	Engineering products	110,580	134,384	129,576	40.8	-3.6	6.3
244	Other manufactures	44,013	44,969	48,510	15.3	7.9	6.6
	<b>Other goods (b)</b>	<b>10,535</b>	<b>11,969</b>	<b>12,744</b>	<b>4.0</b>	<b>6.5</b>	<b>4.1</b>
302	Gold	7,468	6,220	6,385	2.0	2.6	9.8
	Other	3,067	5,749	6,359	2.0	10.6	-0.9
<b>Total merchandise imports (d)</b>		<b>267,035</b>	<b>288,218</b>	<b>317,208</b>	<b>100.0</b>	<b>10.1</b>	<b>3.8</b>

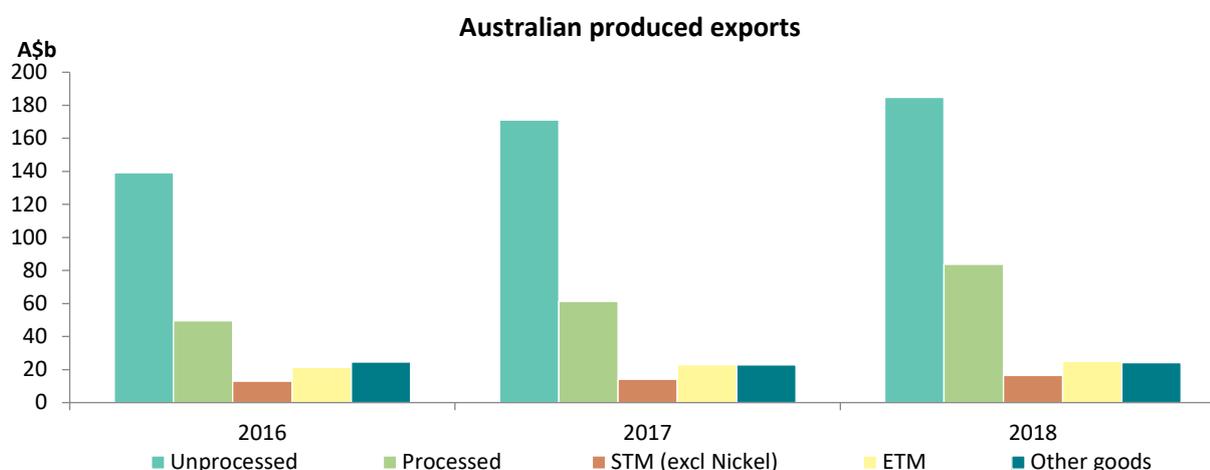


(a) Totals will not add due to recorded trade versus Balance of payments methodology. (b) Recorded trade basis. (c) Excludes commodities subject to a confidentiality restriction. (d) Balance of payments basis.

Source: DFAT STARS database.

**TABLE 23: AUSTRALIAN PRODUCED EXPORTS  
BY BROAD LEVEL OF PROCESSING  
(A\$ million)**

TRIEC		2016	2017	2018	% share	% growth	
						2017 to 2018	5 year trend
	<b>Primary products (a)</b>	<b>188,651</b>	<b>232,418</b>	<b>268,653</b>	<b>80.4</b>	<b>15.6</b>	<b>5.6</b>
<b>11</b>	<b>Unprocessed</b>	<b>139,193</b>	<b>171,147</b>	<b>184,866</b>	<b>55.3</b>	<b>8.0</b>	<b>3.4</b>
111	Food	15,639	18,691	14,739	4.4	-21.1	1.5
112	Minerals	68,631	80,806	85,034	25.4	5.2	-0.2
113	Fuels	47,021	62,378	74,953	22.4	20.2	8.9
114	Other primary products	7,902	9,272	10,140	3.0	9.4	6.6
<b>12</b>	<b>Processed</b>	<b>49,457</b>	<b>61,271</b>	<b>83,786</b>	<b>25.1</b>	<b>36.7</b>	<b>12.0</b>
121	Food	23,170	25,064	26,305	7.9	5.0	6.4
122	Minerals	5,494	7,328	10,039	3.0	37.0	10.6
123	Fuels	20,681	28,761	47,334	14.2	64.6	17.1
124	Other primary products	113	118	109	0.0	-7.7	-1.8
	<b>Manufactured products (a)</b>	<b>34,192</b>	<b>36,940</b>	<b>41,376</b>	<b>12.4</b>	<b>12.0</b>	<b>3.8</b>
<b>23</b>	<b>Simply transformed (excl Nickel)</b>	<b>12,948</b>	<b>14,202</b>	<b>16,484</b>	<b>4.9</b>	<b>16.1</b>	<b>3.2</b>
231	Mineral manufactures & metals	9,559	10,754	12,539	3.8	16.6	3.3
232	Chemicals & other semi-manuf	3,368	3,423	3,922	1.2	14.6	3.0
233	Other manufactures	21	25	22	0.0	-11.5	3.6
<b>24</b>	<b>Elaborately transformed</b>	<b>21,244</b>	<b>22,738</b>	<b>24,893</b>	<b>7.4</b>	<b>9.5</b>	<b>4.2</b>
241	Mineral manufactures & metals	762	897	1,050	0.3	17.1	-13.9
242	Chemicals & other semi-manuf	5,560	6,327	7,787	2.3	23.1	16.1
243	Engineering products	11,768	12,181	12,445	3.7	2.2	0.9
244	Other manufactures	3,154	3,334	3,610	1.1	8.3	6.6
	<b>Other goods</b>	<b>24,521</b>	<b>22,785</b>	<b>24,178</b>	<b>7.2</b>	<b>6.1</b>	<b>4.9</b>
302	Gold	18,849	17,606	19,043	5.7	8.2	7.9
	Other	5,672	5,180	5,134	1.5	-0.9	-3.1
<b>Total Australian produced exports</b>		<b>247,364</b>	<b>292,143</b>	<b>334,207</b>	<b>100.0</b>	<b>14.4</b>	<b>5.3</b>



(a) Excludes commodities subject to a confidentiality restriction.

Source: DFAT STARS database.

**TABLE 24: AUSTRALIA'S TOTAL MERCHANDISE EXPORTS  
BY LEVEL OF PROCESSING (a)  
(A\$ million)**

TRIEC		2016	2017	2018	% growth	
					2017 to 2018	5 year trend
<b>1</b>	<b>Primary products (b)(c)</b>	<b>189,392</b>	<b>232,952</b>	<b>269,710</b>	<b>15.8</b>	<b>5.6</b>
<b>11</b>	<b>Unprocessed</b>	<b>139,335</b>	<b>171,202</b>	<b>184,924</b>	<b>8.0</b>	<b>3.4</b>
<b>111</b>	<b>Food &amp; live animals</b>	<b>15,734</b>	<b>18,722</b>	<b>14,770</b>	<b>-21.1</b>	<b>1.5</b>
1111	Live animals, chiefly for food	1,906	1,645	1,847	12.3	8.1
1112	Seafood, fresh, chilled, dried, smoked, salted	908	974	1,024	5.2	9.3
1113	Vegetables, fruit & nuts, fresh, chilled, or provisionally preserved	3,965	4,885	3,322	-32.0	15.1
1114	Cereal grains	6,664	8,348	6,158	-26.2	-3.8
1119	Unprocessed food nes	2,291	2,870	2,419	-15.7	-2.9
<b>112</b>	<b>Minerals</b>	<b>68,655</b>	<b>80,819</b>	<b>85,051</b>	<b>5.2</b>	<b>-0.2</b>
1121	Iron ore & concentrates	53,757	63,104	63,277	0.3	-1.5
1122	Other metalliferous ores & concentrates	12,567	14,089	17,229	22.3	2.4
1129	Unprocessed minerals nes	2,331	3,626	4,545	25.3	14.2
<b>113</b>	<b>Fuels</b>	<b>47,021</b>	<b>62,378</b>	<b>74,953</b>	<b>20.2</b>	<b>8.9</b>
1131	Coal, anthracite & bituminous	42,270	57,132	66,855	17.0	11.9
1132	Crude petroleum	4,750	5,246	8,097	54.3	-7.9
1133	Petroleum gases & gaseous hydrocarbons nes, unprocessed	0	0	1	..	..
<b>114</b>	<b>Other primary products</b>	<b>7,925</b>	<b>9,284</b>	<b>10,149</b>	<b>9.3</b>	<b>6.5</b>
1141	Hides, skins & furskins, raw	828	809	733	-9.4	-7.2
1142	Cork & wood	1,905	2,137	2,363	10.6	16.1
1143	Textile fibres, unprocessed & waste	4,718	5,845	6,472	10.7	5.7
1149	Crude materials nes	475	492	581	18.1	14.9
<b>12</b>	<b>Processed</b>	<b>50,057</b>	<b>61,750</b>	<b>84,786</b>	<b>37.3</b>	<b>12.1</b>
<b>121</b>	<b>Food</b>	<b>23,737</b>	<b>25,501</b>	<b>27,270</b>	<b>6.9</b>	<b>6.7</b>
1211	Meat & meat preparations	11,092	11,836	13,609	15.0	6.4
1212	Seafood, frozen or processed	436	415	415	0.0	2.3
1213	Dairy products	1,953	2,055	2,146	4.4	-1.4
1214	Vegetables, fruit & nuts preparations	176	195	224	14.9	3.5
1215	Cereal preparations	621	649	788	21.6	-3.9
1216	Animal & vegetable oils, fats & waxes	785	796	786	-1.3	1.6
1217	Sugars, honey, cocoa & confectionery	2,654	2,590	1,921	-25.8	5.1
1219	Preparations of food, beverages & tobacco nes	6,021	6,965	7,380	6.0	14.6
<b>122</b>	<b>Minerals</b>	<b>5,494</b>	<b>7,328</b>	<b>10,039</b>	<b>37.0</b>	<b>10.6</b>
1221	Non-metallic minerals, processed	0	1	1	..	..
1222	Metallic minerals, processed	5,493	7,327	10,038	37.0	10.6
<b>123</b>	<b>Fuels</b>	<b>20,709</b>	<b>28,800</b>	<b>47,366</b>	<b>64.5</b>	<b>17.1</b>
1231	Refined petroleum	2,183	2,391	3,046	27.4	0.3
1232	Petroleum gases & other gaseous hydrocarbons, processed	18,480	26,353	44,232	67.8	19.5
1239	Other processed fuels nes	46	56	87	55.3	-27.5
<b>124</b>	<b>Other primary products</b>	<b>117</b>	<b>120</b>	<b>111</b>	<b>-7.2</b>	<b>-2.0</b>
1241	Rubber (natural, synthetic & reclaimed)	7	3	14	356.9	-16.4
1242	Wood, simply worked & pulp	108	112	94	-16.1	-0.8
1243	Textile fibres, processed	2	4	3	-30.4	2.9

**TABLE 24: AUSTRALIA'S TOTAL MERCHANDISE EXPORTS  
BY LEVEL OF PROCESSING (a) (cont'd)  
(A\$ million)**

TRIEC		2016	2017	2018	% growth	
					2017 to 2018	5 year trend
<b>2</b>	<b>Manufactured products (b)(c)</b>	<b>43,694</b>	<b>44,907</b>	<b>50,128</b>	<b>11.6</b>	<b>3.3</b>
<b>23</b>	<b>Simply transformed (excl Nickel)</b>	<b>13,304</b>	<b>14,407</b>	<b>16,746</b>	<b>16.2</b>	<b>3.1</b>
<b>231</b>	<b>Mineral manufactures &amp; metals</b>	<b>9,705</b>	<b>10,858</b>	<b>12,697</b>	<b>16.9</b>	<b>3.3</b>
2311	Non-metallic mineral manufactures, simply transformed	962	1,160	1,015	-12.5	-4.6
2312	Iron & steel, simply transformed	267	441	436	-1.1	9.3
2313	Non-ferrous metals, simply transformed (excl Nickel)	8,476	9,257	11,246	21.5	4.1
<b>232</b>	<b>Chemicals &amp; other semi-manufactures</b>	<b>3,571</b>	<b>3,519</b>	<b>4,023</b>	<b>14.3</b>	<b>2.6</b>
2321	Organic chemicals	154	112	156	39.9	-1.0
2322	Inorganic chemicals	713	780	1,004	28.7	0.3
2323	Other chemical & chemical preparations, simply transformed	1,511	1,406	1,519	8.0	4.3
2324	Other semi-manufactures, simply transformed	1,193	1,220	1,344	10.1	2.9
<b>233</b>	<b>Other manufactures</b>	<b>28</b>	<b>31</b>	<b>26</b>	<b>-14.0</b>	<b>2.4</b>
2339	Other simply transformed manufactures nes	28	31	26	-14.0	2.4
<b>24</b>	<b>Elaborately transformed</b>	<b>30,391</b>	<b>30,500</b>	<b>33,382</b>	<b>9.5</b>	<b>3.4</b>
<b>241</b>	<b>Mineral manufactures &amp; metals</b>	<b>814</b>	<b>932</b>	<b>1,091</b>	<b>17.1</b>	<b>-13.8</b>
2411	Non-metallic mineral manufactures, elaborately transformed	97	65	61	-5.9	-14.4
2412	Iron & steel, elaborately transformed	390	542	649	19.7	6.3
2413	Non-ferrous metals, elaborately transformed	327	325	381	17.2	-26.7
<b>242</b>	<b>Chemicals &amp; other semi-manufactures</b>	<b>6,383</b>	<b>6,800</b>	<b>8,270</b>	<b>21.6</b>	<b>7.6</b>
2421	Pharmaceutical products	3,171	3,300	3,983	20.7	4.3
2422	Essential oils, perfume & cosmetic products	778	952	1,068	12.2	14.7
2423	Plastics & articles of plastic	733	783	742	-5.3	3.9
2424	Other chemical & chemical preparations, elaborately transformed	1,361	1,373	2,084	51.8	16.1
2425	Other semi-manufactures, elaborately transformed	340	392	393	0.2	3.9
<b>243</b>	<b>Engineering products</b>	<b>18,707</b>	<b>18,038</b>	<b>18,992</b>	<b>5.3</b>	<b>2.4</b>
2431	Machinery for specialised industries	4,378	4,279	4,459	4.2	1.0
2432	Office & telecommunication equipment & parts	2,955	2,986	3,028	1.4	6.7
2433	Road motor vehicles & parts	2,736	2,029	1,415	-30.2	-12.4
2434	Other transport equipment & parts	2,616	2,614	3,267	25.0	7.8
2435	Professional, scientific & controlling instruments & apparatus	2,777	2,879	3,034	5.4	8.3
2439	Other engineering products nes	3,245	3,250	3,789	16.6	2.8
<b>244</b>	<b>Other manufactures</b>	<b>4,486</b>	<b>4,729</b>	<b>5,029</b>	<b>6.3</b>	<b>7.5</b>
2441	Household equipment	1,044	1,067	1,175	10.1	7.1
2442	Textiles, clothing & footwear	594	629	662	5.2	6.7
2449	Other miscellaneous manufactured articles nes	2,848	3,033	3,192	5.2	7.8
<b>3</b>	<b>Other goods (b)</b>	<b>25,383</b>	<b>23,477</b>	<b>24,676</b>	<b>5.1</b>	<b>4.7</b>
<b>301</b>	<b>Miscellaneous trade</b>	<b>2,634</b>	<b>2,212</b>	<b>2,296</b>	<b>3.8</b>	<b>1.0</b>
3011	Armoured fighting vehicles, arms of war etc & parts, nes	77	51	104	103.4	-3.2
3012	Gold coins & other coins that are legal tender	990	678	816	20.2	-3.4
3019	Miscellaneous merchandise trade nes	1,567	1,482	1,376	-7.1	4.3
<b>302</b>	<b>Gold</b>	<b>18,856</b>	<b>17,619</b>	<b>19,137</b>	<b>8.6</b>	<b>7.9</b>
<b>303</b>	<b>Unclassified trade &amp; invalid items</b>	<b>18,856</b>	<b>17,619</b>	<b>19,137</b>	<b>8.6</b>	<b>7.9</b>
<b>304</b>	<b>Confidential trade</b>	<b>3,893</b>	<b>3,646</b>	<b>3,243</b>	<b>-11.1</b>	<b>-5.5</b>
<b>Total merchandise exports (d)</b>		<b>259,069</b>	<b>301,981</b>	<b>345,342</b>	<b>14.4</b>	<b>5.2</b>

(a) Totals will not add due to recorded trade versus Balance of payments methodology. (b) Recorded trade basis. (c) Excludes commodities subject to a confidentiality restriction. (d) Balance of payments basis.

Source: DFAT STARS database.

**TABLE 25: AUSTRALIA'S TOTAL MERCHANDISE IMPORTS  
BY LEVEL OF PROCESSING (a)  
(A\$ million)**

TRIEC		2016	2017	2018	% growth	
					2017 to 2018	5 year trend
<b>1</b>	<b>Primary products (b)(c)</b>	<b>44,796</b>	<b>51,645</b>	<b>64,091</b>	<b>24.1</b>	<b>-0.0</b>
<b>11</b>	<b>Unprocessed</b>	<b>11,934</b>	<b>13,909</b>	<b>18,269</b>	<b>31.3</b>	<b>-9.0</b>
<b>111</b>	<b>Food &amp; live animals</b>	<b>2,157</b>	<b>2,294</b>	<b>2,232</b>	<b>-2.7</b>	<b>6.7</b>
1111	Live animals, chiefly for food	126	156	172	10.3	11.3
1112	Seafood, fresh, chilled, dried, smoked, salted	197	213	214	0.5	4.8
1113	Vegetables, fruit & nuts, fresh, chilled, or provisionally preserved	1,031	1,043	970	-7.0	5.0
1114	Cereal grains	18	20	22	11.7	2.4
1119	Unprocessed food nes	784	862	853	-1.1	8.7
<b>112</b>	<b>Minerals</b>	<b>1,222</b>	<b>1,445</b>	<b>1,531</b>	<b>5.9</b>	<b>17.4</b>
1121	Iron ore & concentrates	47	26	57	117.5	-10.8
1122	Other metalliferous ores & concentrates	843	1,106	1,131	2.2	29.4
1129	Unprocessed minerals nes	332	313	343	9.6	1.1
<b>113</b>	<b>Fuels</b>	<b>7,976</b>	<b>9,552</b>	<b>13,821</b>	<b>44.7</b>	<b>-13.0</b>
1131	Coal, anthracite & bituminous	8	55	26	-52.2	24.4
1132	Crude petroleum	7,965	9,493	13,790	45.3	-11.6
1133	Petroleum gases & gaseous hydrocarbons nes, unprocessed	3	4	4	15.1	-58.3
<b>114</b>	<b>Other primary products</b>	<b>579</b>	<b>617</b>	<b>685</b>	<b>11.1</b>	<b>7.7</b>
1141	Hides, skins & furskins, raw	6	5	4	-8.8	0.8
1142	Cork & wood	20	26	32	22.0	15.0
1143	Textile fibres, unprocessed & waste	33	29	27	-6.7	4.3
1149	Crude materials nes	520	557	622	11.7	7.7
<b>12</b>	<b>Processed</b>	<b>32,861</b>	<b>37,736</b>	<b>45,823</b>	<b>21.4</b>	<b>5.2</b>
<b>121</b>	<b>Food</b>	<b>15,911</b>	<b>16,145</b>	<b>17,355</b>	<b>7.5</b>	<b>6.9</b>
1211	Meat & meat preparations	769	827	821	-0.8	5.0
1212	Seafood, frozen or processed	1,661	1,742	1,800	3.3	4.1
1213	Dairy products	979	1,216	1,296	6.5	14.4
1214	Vegetables, fruit & nuts preparations	1,549	1,620	1,641	1.3	6.7
1215	Cereal preparations	254	250	310	23.8	5.9
1216	Animal & vegetable oils, fats & waxes	752	749	798	6.5	6.4
1217	Sugars, honey, cocoa & confectionery	1,385	1,394	1,390	-0.2	5.5
1219	Preparations of food, beverages & tobacco nes	8,562	8,346	9,299	11.4	7.1
<b>122</b>	<b>Minerals</b>	<b>95</b>	<b>49</b>	<b>74</b>	<b>51.6</b>	<b>-17.9</b>
1221	Non-metallic minerals, processed	5	4	5	18.7	5.8
1222	Metallic minerals, processed	91	45	69	54.8	-18.9
<b>123</b>	<b>Fuels</b>	<b>15,719</b>	<b>20,348</b>	<b>26,950</b>	<b>32.4</b>	<b>3.9</b>
1231	Refined petroleum	14,861	19,162	25,266	31.9	4.4
1232	Petroleum gases & other gaseous hydrocarbons, processed	234	299	386	28.9	-2.0
1239	Other processed fuels nes	624	887	1,298	46.3	-2.0
<b>124</b>	<b>Other primary products</b>	<b>1,136</b>	<b>1,194</b>	<b>1,444</b>	<b>21.0</b>	<b>6.5</b>
1241	Rubber (natural, synthetic & reclaimed)	64	91	83	-8.3	8.2
1242	Wood, simply worked & pulp	1,009	1,043	1,293	24.0	7.0
1243	Textile fibres, processed	62	61	68	13.0	-2.7

**TABLE 25: AUSTRALIA'S TOTAL MERCHANDISE IMPORTS  
BY LEVEL OF PROCESSING (cont'd)  
(A\$ million)**

TRIEC		2016	2017	2018	% growth	
					2017 to 2018	5 year trend
<b>2</b>	<b>Manufactured products (b)(c)</b>	<b>199,038</b>	<b>224,704</b>	<b>227,378</b>	<b>1.2</b>	<b>5.7</b>
<b>23</b>	<b>Simply transformed</b>	<b>15,496</b>	<b>15,044</b>	<b>15,481</b>	<b>2.9</b>	<b>1.7</b>
<b>231</b>	<b>Mineral manufactures &amp; metals</b>	<b>3,678</b>	<b>3,138</b>	<b>3,398</b>	<b>8.3</b>	<b>-1.8</b>
2311	Non-metallic mineral manufactures, simply transformed	3,075	2,688	2,835	5.5	2.6
2312	Iron & steel, simply transformed	125	134	176	30.9	-1.0
2313	Non-ferrous metals, simply transformed	479	315	387	22.8	-19.8
<b>232</b>	<b>Chemicals &amp; other semi-manufactures</b>	<b>11,321</b>	<b>11,420</b>	<b>11,601</b>	<b>1.6</b>	<b>2.7</b>
2321	Organic chemicals	2,321	2,253	2,387	5.9	0.8
2322	Inorganic chemicals	1,567	1,577	1,108	-29.8	-2.6
2323	Other chemical & chemical preparations, simply transformed	4,619	4,728	5,040	6.6	5.2
2324	Other semi-manufactures, simply transformed	2,815	2,861	3,066	7.2	3.0
<b>233</b>	<b>Other manufactures</b>	<b>497</b>	<b>486</b>	<b>482</b>	<b>-0.9</b>	<b>3.7</b>
2339	Other simply transformed manufactures nes	497	486	482	-0.9	3.7
<b>24</b>	<b>Elaborately transformed</b>	<b>183,542</b>	<b>209,659</b>	<b>211,897</b>	<b>1.1</b>	<b>6.1</b>
<b>241</b>	<b>Mineral manufactures &amp; metals</b>	<b>4,891</b>	<b>5,752</b>	<b>6,903</b>	<b>20.0</b>	<b>2.1</b>
2411	Non-metallic mineral manufactures, elaborately transformed	614	620	677	9.1	8.7
2412	Iron & steel, elaborately transformed	2,571	3,131	3,984	27.2	-3.2
2413	Non-ferrous metals, elaborately transformed	1,706	2,001	2,243	12.1	12.6
<b>242</b>	<b>Chemicals &amp; other semi-manufactures</b>	<b>24,058</b>	<b>24,554</b>	<b>26,908</b>	<b>9.6</b>	<b>4.9</b>
2421	Pharmaceutical products	10,432	10,269	10,926	6.4	2.7
2422	Essential oils, perfume & cosmetic products	2,199	2,300	2,737	19.0	10.5
2423	Plastics & articles of plastic	3,905	4,102	4,657	13.5	6.1
2424	Other chemical & chemical preparations, elaborately transformed	2,592	2,749	2,895	5.3	10.2
2425	Other semi-manufactures, elaborately transformed	4,930	5,134	5,694	10.9	3.6
<b>243</b>	<b>Engineering products</b>	<b>110,580</b>	<b>134,384</b>	<b>129,576</b>	<b>-3.6</b>	<b>6.3</b>
2431	Machinery for specialised industries	23,764	23,765	27,061	13.9	0.5
2432	Office & telecommunication equipment & parts	20,633	22,770	26,492	16.3	8.2
2433	Road motor vehicles & parts	32,197	34,879	36,431	4.5	6.6
2434	Other transport equipment & parts (d)	7,260	25,570	7,802	-69.5	22.7
2435	Professional, scientific & controlling instruments & apparatus	7,923	7,750	8,695	12.2	5.7
2439	Other engineering products nes	18,803	19,650	23,095	17.5	3.1
<b>244</b>	<b>Other manufactures</b>	<b>44,013</b>	<b>44,969</b>	<b>48,510</b>	<b>7.9</b>	<b>6.6</b>
2441	Household equipment	12,299	12,976	13,968	7.6	6.7
2442	Textiles, clothing & footwear	13,911	14,048	15,147	7.8	7.0
2449	Other miscellaneous manufactured articles nes	17,803	17,945	19,394	8.1	6.3
<b>3</b>	<b>Other goods (b)</b>	<b>10,535</b>	<b>11,969</b>	<b>12,744</b>	<b>6.5</b>	<b>4.1</b>
<b>301</b>	<b>Miscellaneous trade</b>	<b>625</b>	<b>609</b>	<b>676</b>	<b>11.0</b>	<b>11.6</b>
3011	Armoured fighting vehicles, arms of war etc & parts, nes	572	569	623	9.4	14.2
3012	Gold coins & other coins that are legal tender	47	25	37	44.2	-10.9
3019	Miscellaneous merchandise trade nes	7	15	17	16.9	4.6
<b>302</b>	<b>Gold</b>	<b>7,468</b>	<b>6,220</b>	<b>6,385</b>	<b>2.6</b>	<b>9.8</b>
<b>303</b>	<b>Unclassified trade &amp; invalid items</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>..</b>	<b>..</b>
<b>304</b>	<b>Confidential trade</b>	<b>2,441</b>	<b>5,140</b>	<b>5,683</b>	<b>10.6</b>	<b>-2.1</b>
<b>Total merchandise imports (e)</b>		<b>267,035</b>	<b>288,218</b>	<b>317,208</b>	<b>10.1</b>	<b>3.8</b>

(a) Totals will not add due to recorded trade versus Balance of payments methodology. (b) Recorded trade basis. (c) Excludes commodities subject to a confidentiality restriction. (d) Excludes aircraft imports from Sep 2008 onwards. These are now included in confidential trade.

(e) Balance of payments basis.

Source: DFAT STARS database.

**TABLE 26: AUSTRALIAN PRODUCED EXPORTS  
BY LEVEL OF PROCESSING  
(A\$ million)**

TRIEC		2016	2017	2018	% growth	
					2017 to 2018	5 year trend
<b>1</b>	<b>Primary products (a)</b>	<b>188,651</b>	<b>232,418</b>	<b>268,653</b>	<b>15.6</b>	<b>5.6</b>
<b>11</b>	<b>Unprocessed</b>	<b>139,193</b>	<b>171,147</b>	<b>184,866</b>	<b>8.0</b>	<b>3.4</b>
<b>111</b>	<b>Food &amp; live animals</b>	<b>15,639</b>	<b>18,691</b>	<b>14,739</b>	<b>-21.1</b>	<b>1.5</b>
1111	Live animals, chiefly for food	1,887	1,634	1,834	12.3	8.0
1112	Seafood, fresh, chilled, dried, smoked, salted	887	971	1,022	5.2	9.5
1113	Vegetables, fruit & nuts, fresh, chilled, or provisionally preserved	3,925	4,878	3,313	-32.1	15.2
1114	Cereal grains	6,664	8,347	6,158	-26.2	-3.8
1119	Unprocessed food nes	2,276	2,861	2,412	-15.7	-2.9
<b>112</b>	<b>Minerals</b>	<b>68,631</b>	<b>80,806</b>	<b>85,034</b>	<b>5.2</b>	<b>-0.2</b>
1121	Iron ore & concentrates	53,757	63,104	63,277	0.3	-1.5
1122	Other metalliferous ores & concentrates	12,567	14,089	17,229	22.3	2.4
1129	Unprocessed minerals nes	2,307	3,613	4,528	25.4	14.2
<b>113</b>	<b>Fuels</b>	<b>47,021</b>	<b>62,378</b>	<b>74,953</b>	<b>20.2</b>	<b>8.9</b>
1131	Coal, anthracite & bituminous	42,270	57,132	66,855	17.0	11.9
1132	Crude petroleum	4,750	5,246	8,097	54.3	-7.9
1133	Petroleum gases & gaseous hydrocarbons nes, unprocessed	0	0	0	..	..
<b>114</b>	<b>Other primary products</b>	<b>7,902</b>	<b>9,272</b>	<b>10,140</b>	<b>9.4</b>	<b>6.6</b>
1141	Hides, skins & furskins, raw	826	808	733	-9.3	-7.2
1142	Cork & wood	1,904	2,137	2,363	10.6	16.1
1143	Textile fibres, unprocessed & waste	4,715	5,843	6,471	10.7	5.7
1149	Crude materials nes	457	483	573	18.7	15.3
<b>12</b>	<b>Processed</b>	<b>49,457</b>	<b>61,271</b>	<b>83,786</b>	<b>36.7</b>	<b>12.0</b>
<b>121</b>	<b>Food</b>	<b>23,170</b>	<b>25,064</b>	<b>26,305</b>	<b>5.0</b>	<b>6.4</b>
1211	Meat & meat preparations	11,010	11,827	13,608	15.1	6.4
1212	Seafood, frozen or processed	406	363	396	9.1	2.4
1213	Dairy products	1,908	2,023	2,109	4.3	-1.7
1214	Vegetables, fruit & nuts preparations	167	191	218	14.6	3.7
1215	Cereal preparations	620	648	788	21.6	-3.9
1216	Animal & vegetable oils, fats & waxes	777	792	784	-1.0	1.6
1217	Sugars, honey, cocoa & confectionery	2,621	2,577	1,898	-26.4	5.2
1219	Preparations of food, beverages & tobacco nes	5,660	6,643	6,503	-2.1	13.4
<b>122</b>	<b>Minerals</b>	<b>5,494</b>	<b>7,328</b>	<b>10,039</b>	<b>37.0</b>	<b>10.6</b>
1221	Non-metallic minerals, processed	0	1	1	..	..
1222	Metallic minerals, processed	5,493	7,327	10,038	37.0	10.6
<b>123</b>	<b>Fuels</b>	<b>20,681</b>	<b>28,761</b>	<b>47,334</b>	<b>64.6</b>	<b>17.1</b>
1231	Refined petroleum	2,166	2,378	3,028	27.3	0.3
1232	Petroleum gases & other gaseous hydrocarbons, processed	18,473	26,330	44,221	67.9	19.5
1239	Other processed fuels nes	42	53	84	60.0	-28.0
<b>124</b>	<b>Other primary products</b>	<b>113</b>	<b>118</b>	<b>109</b>	<b>-7.7</b>	<b>-1.8</b>
1241	Rubber (natural, synthetic & reclaimed)	5	2	14	461.2	-18.0
1242	Wood, simply worked & pulp	106	112	94	-16.0	-0.5
1243	Textile fibres, processed	2	4	1	-66.7	-3.7

**TABLE 26: AUSTRALIAN PRODUCED EXPORTS  
BY LEVEL OF PROCESSING (cont'd)  
(A\$ million)**

TRIEC		2016	2017	2018	% growth	
					2017 to 2018	5 year trend
<b>2</b>	<b>Manufactured products (a)</b>	<b>34,192</b>	<b>36,940</b>	<b>41,376</b>	<b>12.0</b>	<b>3.8</b>
<b>23</b>	<b>Simply transformed (excl Nickel)</b>	<b>12,948</b>	<b>14,202</b>	<b>16,484</b>	<b>16.1</b>	<b>3.2</b>
<b>231</b>	<b>Mineral manufactures &amp; metals</b>	<b>9,559</b>	<b>10,754</b>	<b>12,539</b>	<b>16.6</b>	<b>3.3</b>
2311	Non-metallic mineral manufactures, simply transformed	864	1,059	907	-14.4	-4.9
2312	Iron & steel, simply transformed	266	440	435	-1.1	9.4
2313	Non-ferrous metals, simply transformed (excl Nickel)	8,429	9,255	11,197	21.0	4.0
<b>232</b>	<b>Chemicals &amp; other semi-manufactures</b>	<b>3,368</b>	<b>3,423</b>	<b>3,922</b>	<b>14.6</b>	<b>3.0</b>
2321	Organic chemicals	139	95	149	55.7	1.2
2322	Inorganic chemicals	687	772	990	28.2	0.6
2323	Other chemical & chemical preparations, simply transformed	1,368	1,350	1,458	8.0	4.7
2324	Other semi-manufactures, simply transformed	1,174	1,206	1,327	10.0	3.0
<b>233</b>	<b>Other manufactures</b>	<b>21</b>	<b>25</b>	<b>22</b>	<b>-11.5</b>	<b>3.6</b>
2339	Other simply transformed manufactures nes	21	25	22	-11.5	3.6
<b>24</b>	<b>Elaborately transformed</b>	<b>21,244</b>	<b>22,738</b>	<b>24,893</b>	<b>9.5</b>	<b>4.2</b>
<b>241</b>	<b>Mineral manufactures &amp; metals</b>	<b>762</b>	<b>897</b>	<b>1,050</b>	<b>17.1</b>	<b>-13.9</b>
2411	Non-metallic mineral manufactures, elaborately transformed	91	59	56	-4.3	-15.0
2412	Iron & steel, elaborately transformed	351	519	620	19.6	7.9
2413	Non-ferrous metals, elaborately transformed	320	319	374	17.1	-27.0
<b>242</b>	<b>Chemicals &amp; other semi-manufactures</b>	<b>5,560</b>	<b>6,327</b>	<b>7,787</b>	<b>23.1</b>	<b>16.1</b>
2421	Pharmaceutical products	2,788	3,075	3,766	22.5	21.1
2422	Essential oils, perfume & cosmetic products	636	843	939	11.4	16.1
2423	Plastics & articles of plastic	661	746	707	-5.2	3.9
2424	Other chemical & chemical preparations, elaborately transformed	1,198	1,329	2,037	53.3	17.2
2425	Other semi-manufactures, elaborately transformed	276	334	337	0.9	3.8
<b>243</b>	<b>Engineering products</b>	<b>11,768</b>	<b>12,181</b>	<b>12,445</b>	<b>2.2</b>	<b>0.9</b>
2431	Machinery for specialised industries	3,079	3,298	3,570	8.3	1.7
2432	Office & telecommunication equipment & parts	1,072	1,257	1,187	-5.5	6.9
2433	Road motor vehicles & parts	2,402	1,663	1,072	-35.5	-15.4
2434	Other transport equipment & parts (b)	1,295	1,630	1,834	12.6	8.3
2435	Professional, scientific & controlling instruments & apparatus	1,780	2,043	2,100	2.8	6.4
2439	Other engineering products nes	2,141	2,290	2,682	17.1	2.2
<b>244</b>	<b>Other manufactures</b>	<b>3,154</b>	<b>3,334</b>	<b>3,610</b>	<b>8.3</b>	<b>6.6</b>
2441	Household equipment	674	709	785	10.7	6.2
2442	Textiles, clothing & footwear	382	430	438	1.9	7.3
2449	Other miscellaneous manufactured articles nes	2,098	2,195	2,387	8.7	6.6
<b>3</b>	<b>Other goods</b>	<b>24,521</b>	<b>22,785</b>	<b>24,178</b>	<b>6.1</b>	<b>4.9</b>
<b>301</b>	<b>Miscellaneous trade</b>	<b>1,895</b>	<b>1,673</b>	<b>1,932</b>	<b>15.5</b>	<b>2.4</b>
3011	Armoured fighting vehicles, arms of war etc & parts, nes	67	36	87	141.5	-6.4
3012	Gold coins & other coins that are legal tender	988	677	811	19.7	-3.4
3019	Miscellaneous merchandise trade nes	841	960	1,034	7.8	9.7
<b>302</b>	<b>Gold</b>	<b>18,849</b>	<b>17,606</b>	<b>19,043</b>	<b>8.2</b>	<b>7.9</b>
<b>303</b>	<b>Unclassified trade &amp; invalid items</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>..</b>	<b>..</b>
<b>304</b>	<b>Confidential trade</b>	<b>3,776</b>	<b>3,506</b>	<b>3,202</b>	<b>-8.7</b>	<b>-5.6</b>
<b>Total Australian produced exports</b>		<b>247,364</b>	<b>292,143</b>	<b>334,207</b>	<b>14.4</b>	<b>5.3</b>

(a) Excludes commodities subject to a confidentiality restriction.

Source: DFAT STARS database.





# **Section 5**

## **Australia's merchandise commodity ranking tables**

**TABLE 27: AUSTRALIA'S MAJOR MERCHANDISE EXPORTS**  
**RANK, VALUE AND GROWTH (a) (b)**  
**(A\$ million)**

Rank	SITC	Commodity	2016	2017	2018	% share	% growth	
							2017 to 2018	5 year trend
<b>Total commodities (c)</b>			<b>259,069</b>	<b>301,981</b>	<b>345,342</b>	<b>100.0</b>	<b>14.4</b>	<b>5.2</b>
1	321	Coal	42,270	57,132	66,855	19.4	17.0	11.9
2	281	Iron ores & concentrates	53,757	63,104	63,277	18.3	0.3	-1.5
3	343	Natural gas	17,912	25,618	43,298	12.5	69.0	20.8
4	971	Gold	18,857	17,620	19,137	5.5	8.6	7.9
5	285	Aluminium ores & conc (incl alumina)	6,460	8,426	11,341	3.3	34.6	12.0
6	011	Beef, f.c.f.	7,401	7,451	8,661	2.5	16.2	5.1
7	333	Crude petroleum	4,750	5,246	8,097	2.3	54.3	-7.9
8	283	Copper ores & concentrates	4,714	4,790	5,996	1.7	25.2	1.0
9	012	Meat (excl beef), f.c.f.	3,573	4,272	4,823	1.4	12.9	8.7
10	684	Aluminium	3,341	3,453	4,367	1.3	26.5	0.8
11	041	Wheat	4,853	6,062	4,068	1.2	-32.9	-5.9
12	268	Wool & other animal hair (incl tops)	3,023	3,659	3,934	1.1	7.5	10.0
13	287	Other ores & concentrates	2,803	2,645	3,498	1.0	32.3	-9.2
14	682	Copper	3,115	2,987	3,312	1.0	10.9	-2.6
15	112	Alcoholic beverages	2,521	2,892	3,245	0.9	12.2	10.6
16	334	Refined petroleum	2,183	2,391	3,046	0.9	27.4	0.3
17	098	Edible products & preparations, nes	2,369	2,893	2,822	0.8	-2.5	28.2
18	542	Medicaments (incl veterinary)	2,176	2,246	2,458	0.7	9.4	-3.2
19	263	Cotton	1,618	2,112	2,455	0.7	16.2	0.7
20	541	Pharm products (excl medicaments)	1,308	1,231	2,291	0.7	86.0	37.3
21	792	Aircraft, spacecraft & parts	1,985	1,937	2,215	0.6	14.4	8.4
22	057	Fruit & nuts	1,758	1,825	2,068	0.6	13.3	14.8
23	764	Telecom equipment & parts	1,661	1,930	1,915	0.6	-0.8	13.3
24	043	Barley	1,526	2,110	1,866	0.5	-11.6	4.1
25	278	Crude minerals, nes	437	1,328	1,843	0.5	38.8	53.5
26	001	Live animals (excl seafood)	1,875	1,618	1,823	0.5	12.7	8.4
27	686	Zinc	1,063	1,644	1,679	0.5	2.1	14.7
28	061	Sugars, molasses & honey	2,331	2,274	1,561	0.5	-31.4	4.6
29	872	Medical instruments (incl veterinary)	1,523	1,571	1,538	0.4	-2.1	9.0
30	246	Wood in chips or particles	1,124	1,235	1,482	0.4	20.0	16.3
31	289	Precious metal ores & conc (excl gold)	1,686	1,665	1,462	0.4	-12.2	7.2
32	222	Oil-seeds & oleaginous fruits, soft	1,401	1,888	1,372	0.4	-27.3	-7.3
33	288	Non-ferrous waste & scrap	1,042	1,147	1,355	0.4	18.1	5.8
34	022	Milk, cream, whey & yoghurt	1,240	1,305	1,343	0.4	2.9	-1.4
35	081	Animal feed	1,176	1,230	1,334	0.4	8.4	2.4
36	054	Vegetables, f.c.f.	2,230	3,091	1,282	0.4	-58.5	13.9
37	874	Measuring & analysing instruments	938	976	1,146	0.3	17.4	6.2
38	899	Misc manufactured articles, nes	1,010	1,039	1,138	0.3	9.5	10.4
39	036	Crustaceans, f.c.f.	1,029	985	1,032	0.3	4.9	5.4
40	641	Paper & paperboard	868	897	1,014	0.3	13.0	4.5

(a) Recorded trade basis. (b) Excludes confidential items of trade. (c) Balance of payments basis. (d) Mainly Zinc ores & concentrates, Manganese ores & concentrates and Lead ores & concentrates.

**TABLE 27: AUSTRALIA'S MAJOR MERCHANDISE EXPORTS**  
**RANK, VALUE AND GROWTH (a) (b) (cont'd)**  
**(A\$ million)**

Rank	SITC	Commodity	2016	2017	2018	% share	% growth	
							2017 to 2018	5 year trend
41	533	Pigments, paints & varnishes	791	927	1,006	0.3	8.5	8.2
42	282	Ferrous waste & scrap	547	819	1,002	0.3	22.3	-0.5
43	024	Cheese & curd	818	919	998	0.3	8.6	4.8
44	685	Lead	1,133	1,177	991	0.3	-15.8	4.1
45	683	Nickel	38	69	965	0.3	1288.6	-17.5
46	553	Perfumery & cosmetics (excl soap)	644	781	909	0.3	16.5	15.9
47	342	Liquefied propane & butane	550	734	903	0.3	23.0	-7.0
48	752	Computers	649	806	881	0.3	9.2	13.2
49	784	Vehicle parts & accessories	716	824	847	0.2	2.8	3.1
50	048	Cereal preparations	695	754	846	0.2	12.2	3.0
51	951	Gold coin & legal tender coin	989	676	814	0.2	20.4	-3.4
52	728	Specialised machinery & parts	790	857	807	0.2	-5.8	1.5
53	211	Hides & skins, raw (excl furskins)	828	809	733	0.2	-9.4	-7.2
54	522	Inorganic chemical elements	563	588	721	0.2	22.6	-3.6
55	667	Pearls & gems	822	669	685	0.2	2.4	-1.9
56	793	Ships, boats & floating structures	238	297	668	0.2	124.7	11.4
57	723	Civil engineering equipment & parts	755	686	653	0.2	-4.8	-6.2
58	247	Wood, rough	528	611	642	0.2	5.0	25.1
59	592	Starches, inulin & wheat gluten	526	511	607	0.2	18.7	0.4
60	778	Electrical machinery & parts, nes	487	508	596	0.2	17.4	6.1
61	772	Electrical circuits equipment	473	522	586	0.2	12.2	3.7
62	897	Jewellery	441	591	559	0.2	-5.4	5.5
63	699	Manufactures of base metal, nes	431	427	486	0.1	13.9	4.2
64	713	Internal combustion piston engines	429	311	433	0.1	39.1	-3.3
65	894	Prams, toys, games & sporting goods	413	393	424	0.1	7.8	13.6
66	291	Crude animal matter, nes	279	331	421	0.1	27.0	24.4
67	742	Pumps for liquids & parts	335	369	398	0.1	7.7	4.8
68	744	Mechanical handling equip & parts	558	398	393	0.1	-1.1	1.2
69	893	Plastic articles, nes	329	335	383	0.1	14.3	5.8
70	034	Fish, f.c.f.	295	379	375	0.1	-1.1	13.1
71	673	Uncoated flat-rolled iron & steel	249	439	373	0.1	-15.1	10.0
72	411	Animal oils & fats	422	389	366	0.1	-5.9	-1.9
73	743	Pumps (excl liquid pumps) & parts	304	319	331	0.1	3.9	4.3
74	781	Passenger motor vehicles	1,826	997	326	0.1	-67.3	-26.7
75	562	Fertilisers (excl crude)	369	266	319	0.1	20.1	7.2
76	042	Rice	210	225	315	0.1	40.2	-8.9
77	689	Other non-ferrous metals	114	250	312	0.1	24.6	12.8
78	892	Printed matter	311	317	309	0.1	-2.6	4.4
79	741	Heating & cooling equipment & parts	279	290	298	0.1	2.8	5.6
80	747	Taps, cocks & valves	240	257	286	0.1	11.4	2.8

(a) Recorded trade basis. (b) Excludes confidential items of trade.

Based on ABS trade data on the DFAT STARS database (ABS catalogue 5368.0).

**TABLE 28: AUSTRALIA'S MAJOR MERCHANDISE IMPORTS**  
**RANK, VALUE AND GROWTH (a) (b)**  
**(A\$ million)**

Rank	SITC	Commodity	2016	2017	2018	% share	% growth	
							2017 to 2018	5 year trend
<b>Total commodities (c)</b>			<b>267,035</b>	<b>288,218</b>	<b>318,208</b>	<b>100.0</b>	<b>10.4</b>	<b>3.8</b>
1	334	Refined petroleum	14,861	19,162	25,266	7.9	31.9	4.4
2	781	Passenger motor vehicles	21,403	22,810	22,411	7.0	-1.8	5.4
3	764	Telecom equipment & parts	11,970	12,784	14,400	4.5	12.6	9.3
4	333	Crude petroleum	7,965	9,493	13,790	4.3	45.3	-11.6
5	782	Goods vehicles	7,535	8,814	10,684	3.4	21.2	11.5
6	752	Computers	7,349	8,245	9,686	3.0	17.5	5.5
7	542	Medicaments (incl veterinary)	7,617	7,113	7,203	2.3	1.3	-1.4
8	971	Gold	7,468	6,220	6,385	2.0	2.6	9.8
9	821	Furniture, mattresses & cushions	4,274	4,258	4,875	1.5	14.5	7.7
10	723	Civil engineering equipment & parts	2,572	3,340	4,812	1.5	44.1	5.9
11	541	Pharm products (excl medicaments)	3,609	4,025	4,580	1.4	13.8	14.9
12	778	Electrical machinery & parts, nes	3,315	3,577	3,818	1.2	6.7	6.6
13	893	Plastic articles, nes	3,226	3,397	3,806	1.2	12.0	9.0
14	775	Household-type equipment, nes	3,222	3,386	3,536	1.1	4.4	7.6
15	894	Prams, toys, games & sporting goods	3,135	3,277	3,477	1.1	6.1	6.4
16	874	Measuring & analysing instruments	3,185	3,023	3,406	1.1	12.7	2.4
17	872	Medical instruments (incl veterinary)	3,066	2,987	3,385	1.1	13.3	9.3
18	741	Heating & cooling equipment & parts	4,020	3,040	3,175	1.0	4.4	-5.0
19	845	Other textile clothing	2,829	2,913	3,081	1.0	..	..
20	699	Manufactures of base metal, nes	2,714	2,718	3,071	1.0	13.0	5.3
21	784	Vehicle parts & accessories	3,028	2,996	3,060	1.0	2.2	2.1
22	625	Rubber tyres, treads & tubes	2,478	2,604	2,930	0.9	12.5	1.2
23	098	Edible products & preparations, nes	2,856	2,542	2,923	0.9	15.0	6.9
24	744	Mechanical handling equip & parts	2,411	2,456	2,921	0.9	18.9	1.1
25	776	Electronic integrated circuits	1,262	1,888	2,816	0.9	49.2	17.7
26	899	Misc manufactured articles, nes	2,539	2,555	2,659	0.8	4.1	6.4
27	728	Specialised machinery & parts	2,262	2,296	2,655	0.8	15.6	3.5
28	743	Pumps (excl liquid pumps) & parts	2,630	2,187	2,525	0.8	15.4	-9.3
29	761	Monitors, projectors & TVs	2,171	2,424	2,447	0.8	1.0	6.1
30	553	Perfumery & cosmetics (excl soap)	1,942	2,020	2,387	0.8	18.2	9.8
31	851	Footwear	2,202	2,179	2,324	0.7	6.7	7.2
32	772	Electrical circuits equipment	1,917	2,063	2,311	0.7	12.0	4.6
33	792	Aircraft, spacecraft & parts	2,906	2,784	2,293	0.7	-17.6	75.0
34	716	Rotating electric plant & parts	1,088	1,377	2,255	0.7	63.8	5.4
35	691	Iron, steel, aluminium structures	1,911	1,563	2,181	0.7	39.6	-6.9
36	842	Women's clothing (excl knitted)	1,890	1,927	2,154	0.7	11.8	6.7
37	112	Alcoholic beverages	1,892	1,915	2,092	0.7	9.2	4.6
38	658	Made-up textile articles, nes	1,705	1,741	1,927	0.6	10.6	9.0
39	562	Fertilisers (excl crude)	1,682	1,640	1,915	0.6	16.8	2.4
40	773	Electrical distributing equipment	1,435	1,578	1,872	0.6	18.7	3.0

(a) Recorded trade basis. (b) Excludes confidential items of trade. (c) Balance of payments basis.

**TABLE 28: AUSTRALIA'S MAJOR MERCHANDISE IMPORTS**  
**RANK, VALUE AND GROWTH (a) (b) (cont'd)**  
**(A\$ million)**

Rank	SITC	Commodity	2016	2017	2018	% share	% growth	
							2017 to 2018	5 year trend
41	831	Travel goods, bags & like containers	1,461	1,535	1,844	0.6	20.1	10.8
42	747	Taps, cocks & valves	1,654	1,603	1,810	0.6	12.9	0.6
43	641	Paper & paperboard	1,685	1,599	1,684	0.5	5.3	-0.9
44	582	Plastic plates, sheets & film	1,483	1,497	1,626	0.5	8.6	5.9
45	771	Electric power machinery & parts	1,056	1,321	1,579	0.5	19.5	8.4
46	679	Tubes & pipes of iron or steel	907	1,061	1,571	0.5	48.0	-12.8
47	897	Jewellery	1,437	1,509	1,565	0.5	3.7	6.7
48	745	Non-electrical machinery & parts	1,383	1,461	1,552	0.5	6.2	4.7
49	751	Office machines	1,790	1,619	1,536	0.5	-5.1	-4.5
50	713	Internal combustion piston engines	1,443	1,414	1,521	0.5	7.6	0.3
51	841	Men's clothing (excl knitted)	1,373	1,354	1,482	0.5	9.5	6.4
52	642	Paper & paperboard, cut to size	1,313	1,336	1,479	0.5	10.7	7.0
53	684	Aluminium	1,113	1,243	1,406	0.4	13.2	11.9
54	813	Lighting fixtures & fittings	1,315	1,304	1,391	0.4	6.7	7.6
55	721	Agric machinery (excl tractors) & parts	1,313	1,533	1,344	0.4	-12.3	11.1
56	791	Railway vehicles (incl hovertrains)	429	545	1,331	0.4	144.5	-9.2
57	714	Non-electric engines & motors	1,331	1,374	1,253	0.4	-8.8	2.4
58	742	Pumps for liquids & parts	963	1,062	1,229	0.4	15.7	1.8
59	598	Miscellaneous chemical products, nes	1,089	1,124	1,218	0.4	8.4	1.3
60	048	Cereal preparations	1,028	1,072	1,187	0.4	10.7	7.2
61	785	Motorcycles & cycles	1,176	1,150	1,183	0.4	2.9	1.4
62	081	Animal feed	919	938	1,099	0.3	17.2	7.5
63	287	Other ores & concentrates	757	1,034	1,097	0.3	6.0	33.8
64	122	Tobacco, manufactured	1,028	1,005	1,062	0.3	5.7	15.5
65	748	Transmission shafts & parts	828	939	1,059	0.3	12.7	4.8
66	335	Residual petroleum products, nes	490	709	1,043	0.3	47.1	0.8
67	697	Household equip of base metal, nes	898	967	1,028	0.3	6.3	6.2
68	786	Trailers, semi-trailers & containers	766	877	1,026	0.3	17.0	3.1
69	884	Optical goods, nes	908	940	1,024	0.3	8.9	5.6
70	892	Printed matter	1,053	1,050	1,023	0.3	-2.6	0.5
71	844	Women's clothing, knitted	946	950	1,019	0.3	7.3	6.8
72	248	Wood, simply worked	798	810	1,009	0.3	24.5	6.9
73	533	Pigments, paints & varnishes	892	914	998	0.3	9.2	12.6
74	695	Hand or machine tools	824	878	989	0.3	12.6	5.0
75	591	Insecticides, herbicides, disinfectants	1,065	1,137	987	0.3	-13.2	9.6
76	682	Copper	930	881	986	0.3	11.9	-6.0
77	515	Organo-inorganic compounds	1,088	1,001	984	0.3	-1.7	0.8
78	898	Musical instruments & parts	970	905	955	0.3	5.6	-1.1
79	676	Iron & steel bars & rods	537	789	931	0.3	18.0	11.2
80	663	Mineral manufactures, nes	798	800	900	0.3	12.5	9.5

(a) Recorded trade basis. (b) Excludes confidential items of trade.

Based on ABS trade data on the DFAT STARS database (ABS catalogue 5368.0).



## **Section 6**

### **Direction of Australia's merchandise trade ranking tables**

**TABLE 29: AUSTRALIA'S MERCHANDISE TRADE BY COUNTRY (a), 2018**

Economy (c)	Exports		Imports		Balance (b)		Total		Rank in 2018
	A\$'000	% share	A\$'000	% share	A\$'000	A\$'000	% share		
<b>World (d)</b>	<b>345,342,000</b>		<b>317,208,000</b>		<b>28,134,000</b>	<b>662,550,000</b>			
China	118,378,866	34.3	74,903,304	23.6	43,475,562	193,282,171	29.2		1
Japan	56,280,652	16.3	22,777,603	7.2	33,503,049	79,058,254	11.9		2
United States	13,439,973	3.9	33,273,714	10.5	-19,833,741	46,713,687	7.1		3
Republic of Korea	24,436,057	7.1	13,424,043	4.2	11,012,014	37,860,100	5.7		4
India	16,722,244	4.8	5,497,951	1.7	11,224,292	22,220,195	3.4		5
Thailand	6,555,097	1.9	14,939,972	4.7	-8,384,876	21,495,069	3.2		6
Singapore	9,836,597	2.8	11,574,635	3.6	-1,738,038	21,411,233	3.2		7
Malaysia	7,492,785	2.2	13,033,665	4.1	-5,540,879	20,526,450	3.1		8
Germany	2,709,544	0.8	15,040,711	4.7	-12,331,167	17,750,255	2.7		9
New Zealand	9,681,696	2.8	7,886,521	2.5	1,795,175	17,568,217	2.7		10
Taiwan	10,638,154	3.1	4,994,803	1.6	5,643,351	15,632,957	2.4		11
United Kingdom	5,032,962	1.5	7,239,025	2.3	-2,206,063	12,271,987	1.9		12
Indonesia	6,822,792	2.0	4,995,694	1.6	1,827,098	11,818,486	1.8		13
Hong Kong (SAR of China)	10,352,962	3.0	1,006,573	0.3	9,346,389	11,359,534	1.7		14
Vietnam	5,019,411	1.5	6,098,144	1.9	-1,078,734	11,117,555	1.7		15
Italy	883,047	0.3	7,038,231	2.2	-6,155,184	7,921,277	1.2		16
United Arab Emirates	3,928,236	1.1	3,051,024	1.0	877,212	6,979,260	1.1		17
France	1,634,439	0.5	5,313,767	1.7	-3,679,328	6,948,206	1.0		18
Netherlands	3,631,346	1.1	3,024,160	1.0	607,186	6,655,505	1.0		19
Papua New Guinea	2,178,707	0.6	3,590,830	1.1	-1,412,123	5,769,537	0.9		20
Switzerland	1,172,096	0.3	3,627,982	1.1	-2,455,886	4,800,078	0.7		21
Canada	1,912,188	0.6	2,148,079	0.7	-235,891	4,060,267	0.6		22
Spain	913,081	0.3	2,567,684	0.8	-1,654,603	3,480,765	0.5		23
Mexico	279,427	0.1	3,103,429	1.0	-2,824,003	3,382,856	0.5		24
Sweden	421,544	0.1	2,702,925	0.9	-2,281,382	3,124,469	0.5		25
Belgium	962,711	0.3	2,101,510	0.7	-1,138,800	3,064,221	0.5		26
Philippines	2,193,201	0.6	716,881	0.2	1,476,320	2,910,083	0.4		27
South Africa	1,705,566	0.5	1,161,132	0.4	544,434	2,866,698	0.4		28
Brazil	1,412,571	0.4	828,820	0.3	583,750	2,241,391	0.3		29
Ireland	106,867	-	1,922,335	0.6	-1,815,468	2,029,202	0.3		30
Austria	39,691	-	1,944,000	0.6	-1,904,309	1,983,691	0.3		31
Bangladesh	902,227	0.3	965,178	0.3	-62,951	1,867,405	0.3		32
Poland	522,139	0.2	1,015,162	0.3	-493,023	1,537,301	0.2		33
Denmark	96,113	-	1,427,491	0.5	-1,331,379	1,523,604	0.2		34
Bahrain	1,421,633	0.4	96,047	-	1,325,586	1,517,681	0.2		35
Turkey	441,381	0.1	1,039,427	0.3	-598,046	1,480,808	0.2		36
Saudi Arabia	744,636	0.2	604,259	0.2	140,378	1,348,895	0.2		37
Qatar	870,724	0.3	442,633	0.1	428,091	1,313,357	0.2		38
Finland	88,288	-	1,135,401	0.4	-1,047,113	1,223,689	0.2		39
Argentina	449,630	0.1	708,146	0.2	-258,516	1,157,777	0.2		40
Israel	288,759	0.1	802,375	0.3	-513,617	1,091,134	0.2		41
Czech Republic	184,253	0.1	713,457	0.2	-529,204	897,710	0.1		42
Russian Federation	620,195	0.2	213,951	0.1	406,244	834,146	0.1		43
Brunei	50,392	-	766,623	0.2	-716,231	817,016	0.1		44
Chile	323,988	0.1	462,445	0.1	-138,456	786,433	0.1		45

(a) Recorded trade basis. (b) Balance on merchandise trade. (c) May exclude selected confidential export/import commodities. Refer to **Appendix G** - DFAT adjustments to official ABS trade data - for more information and a list of the commodities excluded. (d) Balance of payments basis.

**TABLE 29: AUSTRALIA'S MERCHANDISE TRADE BY COUNTRY (a), 2018 (cont'd)**

Economy (c)	Exports		Imports		Balance (b)		Total		Rank in 2018
	A\$'000	% share	A\$'000	% share	A\$'000	A\$'000	% share		
Pakistan	467,163	0.1	309,262	0.1	157,901	776,425	0.1	46	
Algeria	12,108	-	732,418	0.2	-720,310	744,526	0.1	47	
Nigeria	143,346	-	586,531	0.2	-443,185	729,878	0.1	48	
Libya	3,062	-	719,334	0.2	-716,272	722,396	0.1	49	
Mozambique	701,948	0.2	11,726	-	690,222	713,674	0.1	50	
Oman	609,618	0.2	67,406	-	542,211	677,024	0.1	51	
Egypt	605,808	0.2	53,540	-	552,268	659,348	0.1	52	
Hungary	36,407	-	621,309	0.2	-584,902	657,716	0.1	53	
Fiji	473,072	0.1	173,882	0.1	299,190	646,954	0.1	54	
Norway	171,376	-	443,393	0.1	-272,017	614,769	0.1	55	
Sri Lanka	254,106	0.1	258,516	0.1	-4,410	512,622	0.1	56	
Republic of Congo	1,156	-	511,243	0.2	-510,086	512,399	0.1	57	
New Caledonia	439,705	0.1	47,650	-	392,055	487,355	0.1	58	
Gabon	2,255	-	460,435	0.1	-458,179	462,690	0.1	59	
Peru	120,417	-	323,682	0.1	-203,266	444,099	0.1	60	
Iceland	427,522	0.1	12,931	-	414,591	440,453	0.1	61	
Kuwait	382,159	0.1	50,697	-	331,462	432,856	0.1	62	
Puerto Rico	6,515	-	394,420	0.1	-387,906	400,935	0.1	63	
Portugal	40,356	-	297,506	0.1	-257,150	337,862	0.1	64	
Greece	31,470	-	265,552	0.1	-234,081	297,022	-	65	
Iraq	274,971	0.1	233	-	274,738	275,204	-	66	
Slovak Republic	3,409	-	255,774	0.1	-252,365	259,182	-	67	
Romania	46,887	-	211,830	0.1	-164,944	258,717	-	68	
Cambodia	55,093	-	184,002	0.1	-128,908	239,095	-	69	
Iran	150,455	-	62,985	-	87,471	213,440	-	70	
Myanmar	162,106	-	41,776	-	120,330	203,882	-	71	
Slovenia	39,375	-	161,083	0.1	-121,708	200,458	-	72	
Jordan	132,974	-	54,464	-	78,509	187,438	-	73	
Estonia	9,372	-	166,988	0.1	-157,616	176,361	-	74	
Yemen	162,456	-	50	-	162,405	162,506	-	75	
Panama	137,074	-	15,240	-	121,833	152,314	-	76	
Bulgaria	68,726	-	81,398	-	-12,671	150,124	-	77	
Macau (SAR of China)	91,032	-	51,277	-	39,755	142,309	-	78	
Colombia	52,456	-	88,253	-	-35,796	140,709	-	79	
Solomon Islands	127,339	-	11,277	-	116,062	138,616	-	80	
Ukraine	69,295	-	67,529	-	1,766	136,823	-	81	
Costa Rica	6,922	-	127,976	-	-121,055	134,898	-	82	
Mauritius	98,417	-	25,214	-	73,203	123,631	-	83	
Lithuania	6,597	-	108,434	-	-101,837	115,031	-	84	
Kenya	77,176	-	36,865	-	40,311	114,041	-	85	
Ghana	85,477	-	4,650	-	80,828	90,127	-	86	
Luxembourg	58,496	-	29,377	-	29,120	87,873	-	87	
Cote d'Ivoire	77,635	-	10,157	-	67,478	87,791	-	88	
Vanuatu	82,802	-	1,722	-	81,080	84,524	-	89	
Latvia	16,033	-	67,677	-	-51,645	83,710	-	90	

(a) Recorded trade basis. (b) Balance on merchandise trade. (c) May exclude selected confidential export/import commodities. Refer to **Appendix G** - DFAT adjustments to official ABS trade data - for more information and a list of the commodities excluded.

**TABLE 29: AUSTRALIA'S MERCHANDISE TRADE BY COUNTRY (a), 2018 (cont'd)**

Economy (c)	Exports		Imports		Balance (b)		Total		Rank in 2018
	A\$'000	% share	A\$'000	% share	A\$'000	A\$'000	% share		
Honduras	1,317	-	79,381	-	-78,064	80,698	-	91	
Azerbaijan	3,997	-	75,766	-	-71,769	79,763	-	92	
Georgia	71,300	-	2,719	-	68,581	74,019	-	93	
Namibia	10,584	-	55,524	-	-44,940	66,108	-	94	
Serbia	4,199	-	61,025	-	-56,826	65,224	-	95	
Dominican Republic	15,946	-	48,049	-	-32,103	63,995	-	96	
Morocco	20,081	-	42,958	-	-22,878	63,039	-	97	
Tanzania	52,494	-	7,995	-	44,500	60,489	-	98	
Lebanon	39,399	-	20,266	-	19,133	59,665	-	99	
French Polynesia	55,895	-	1,476	-	54,419	57,371	-	100	
Angola	23,551	-	32,292	-	-8,742	55,843	-	101	
Nepal	45,869	-	7,583	-	38,286	53,451	-	102	
Madagascar	21,046	-	30,485	-	-9,439	51,531	-	103	
Nauru	45,986	-	4,201	-	41,786	50,187	-	104	
Laos	26,988	-	22,909	-	4,080	49,897	-	105	
Maldives	45,901	-	3,935	-	41,966	49,836	-	106	
Ecuador	22,346	-	25,647	-	-3,302	47,993	-	107	
Samoa	38,227	-	5,263	-	32,964	43,490	-	108	
Trinidad & Tobago	19,862	-	21,575	-	-1,713	41,437	-	109	
Croatia	2,772	-	38,356	-	-35,584	41,128	-	110	
Mongolia	38,913	-	1,371	-	37,542	40,284	-	111	
Tunisia	1,788	-	38,294	-	-36,506	40,082	-	112	
Cyprus	4,882	-	33,682	-	-28,800	38,564	-	113	
Christmas Island	36,336	-	1,232	-	35,104	37,568	-	114	
Togo	12,644	-	22,261	-	-9,618	34,905	-	115	
El Salvador	22,298	-	10,695	-	11,603	32,994	-	116	
Ethiopia	5,568	-	24,044	-	-18,476	29,612	-	117	
Senegal	26,279	-	1,504	-	24,775	27,782	-	118	
Guatemala	5,517	-	21,561	-	-16,044	27,077	-	119	
Jamaica	25,491	-	1,360	-	24,131	26,850	-	120	
Zambia	14,522	-	11,014	-	3,509	25,536	-	121	
Tonga	21,845	-	2,277	-	19,568	24,122	-	122	
Belarus	529	-	20,933	-	-20,404	21,462	-	123	
Malta	3,860	-	17,507	-	-13,647	21,368	-	124	
Timor-Leste	19,978	-	932	-	19,046	20,910	-	125	
Nicaragua	1,486	-	19,077	-	-17,590	20,563	-	126	
Bosnia-Herzegovina	650	-	19,903	-	-19,254	20,553	-	127	
Kiribati	20,384	-	56	-	20,328	20,440	-	128	
Kazakhstan	15,864	-	3,299	-	12,565	19,163	-	129	
American Samoa	9,049	-	9,036	-	13	18,084	-	130	
Uruguay	9,993	-	7,759	-	2,234	17,752	-	131	
Bolivia	2,152	-	15,180	-	-13,027	17,332	-	132	
Seychelles	8,205	-	9,099	-	-894	17,304	-	133	
Sudan	16,084	-	118	-	15,966	16,203	-	134	
Albania	3,100	-	12,910	-	-9,810	16,011	-	135	

(a) Recorded trade basis. (b) Balance on merchandise trade. (c) May exclude selected confidential export/import commodities. Refer to **Appendix G** - DFAT adjustments to official ABS trade data - for more information and a list of the commodities excluded.

**TABLE 29: AUSTRALIA'S MERCHANDISE TRADE BY COUNTRY (a), 2018 (cont'd)**

Economy (c)	Exports		Imports		Balance (b)	Total		Rank in 2018
	A\$'000	% share	A\$'000	% share	A\$'000	A\$'000	% share	
Mali	14,135	-	317	-	13,818	14,452	-	136
Cook Islands	13,451	-	499	-	12,951	13,950	-	137
Burkina Faso	13,481	-	73	-	13,409	13,554	-	138
Norfolk Island	12,985	-	60	-	12,924	13,045	-	139
Antarctica	9,076	-	3,840	-	5,236	12,916	-	140
Cuba	684	-	11,768	-	-11,084	12,452	-	141
Mauritania	11,825	-	94	-	11,731	11,919	-	142
Guinea	11,539	-	263	-	11,276	11,802	-	143
North Macedonia	1,463	-	10,256	-	-8,793	11,719	-	144
Guam	11,532	-	102	-	11,430	11,634	-	145
Bahamas	4,319	-	5,764	-	-1,445	10,084	-	146
Eritrea	9,612	-	24	-	9,589	9,636	-	147
Sierra Leone	3,021	-	5,752	-	-2,731	8,773	-	148
Cocos Keeling Islands	7,009	-	91	-	6,918	7,100	-	149
Afghanistan	6,522	-	485	-	6,037	7,008	-	150
Uganda	4,302	-	2,601	-	1,701	6,903	-	151
UK Virgin Islands	450	-	6,211	-	-5,762	6,661	-	152
Venezuela	2,498	-	4,083	-	-1,585	6,581	-	153
Federated States of Micronesia	6,348	-	10	-	6,338	6,358	-	154
Marshall Islands	4,394	-	1,886	-	2,508	6,280	-	155
Reunion	5,029	-	245	-	4,784	5,273	-	156
Antigua & Barbuda	1,236	-	3,747	-	-2,511	4,983	-	157
Zimbabwe	2,995	-	1,737	-	1,257	4,732	-	158
Suriname	4,384	-	345	-	4,039	4,729	-	159
Djibouti	2,531	-	1,899	-	632	4,429	-	160
Northern Mariana Islands	4,379	-	14	-	4,365	4,393	-	161
Guyana	3,776	-	279	-	3,498	4,055	-	162
Barbados	2,060	-	1,741	-	319	3,801	-	163
Paraguay	1,388	-	2,323	-	-935	3,712	-	164
Dem. Republic of the Congo	3,594	-	79	-	3,515	3,673	-	165
Haiti	734	-	2,901	-	-2,167	3,635	-	166
Wallis & Futuna Island	3,535	-	18	-	3,517	3,554	-	167
French Antilles	1,796	-	1,658	-	137	3,454	-	168
Eswatini	65	-	3,333	-	-3,268	3,398	-	169
Niger	402	-	2,576	-	-2,175	2,978	-	170
Cameroon	1,341	-	1,537	-	-196	2,878	-	171
Belize	1,815	-	921	-	895	2,736	-	172
Tuvalu	2,401	-	120	-	2,280	2,521	-	173
Armenia	1,064	-	1,378	-	-314	2,442	-	174
Bhutan	474	-	1,965	-	-1,491	2,439	-	175
Moldova	29	-	2,281	-	-2,252	2,310	-	176
St Vincent & Grenadines	2,287	-	10	-	2,277	2,297	-	177
St Lucia	2,033	-	165	-	1,868	2,198	-	178
Botswana	1,892	-	247	-	1,646	2,139	-	179
US Virgin Islands	1,773	-	301	-	1,472	2,074	-	180

(a) Recorded trade basis. (b) Balance on merchandise trade. (c) May exclude selected confidential export/import commodities. Refer to **Appendix G** - DFAT adjustments to official ABS trade data - for more information and a list of the commodities excluded.

**TABLE 29: AUSTRALIA'S MERCHANDISE TRADE BY COUNTRY (a), 2018 (cont'd)**

Economy (c)	Exports		Imports		Balance (b)		Total		Rank in 2018
	A\$'000	% share	A\$'000	% share	A\$'000	A\$'000	% share		
St Helena	442	-	1,593	-	-1,151	2,035	-	181	
Syria	1,277	-	622	-	655	1,899	-	182	
Cayman Islands	521	-	1,351	-	-830	1,872	-	183	
Rwanda	515	-	1,281	-	-767	1,796	-	184	
Liberia	1,707	-	75	-	1,633	1,782	-	185	
Montserrat	1,761	-	19	-	1,742	1,780	-	186	
Lesotho	10	-	1,710	-	-1,701	1,720	-	187	
Palau	1,517	-	173	-	1,344	1,691	-	188	
Kyrgyzstan	1,382	-	243	-	1,139	1,625	-	189	
Dominica	845	-	682	-	163	1,528	-	190	
Somalia	1,288	-	216	-	1,072	1,504	-	191	
US Minor Outlying Islands	1,480	-	2	-	1,478	1,482	-	192	
Netherlands Antilles	1,009	-	396	-	613	1,405	-	193	
Benin	1,131	-	19	-	1,112	1,149	-	194	
St Kitts & Nevis	997	-	49	-	948	1,046	-	195	
Burundi	17	-	987	-	-970	1,004	-	196	
Equatorial Guinea	903	-	-	-	903	903	-	197	
Central African Republic	777	-	11	-	766	787	-	198	
Montenegro	162	-	479	-	-317	641	-	199	
Bermuda	558	-	43	-	515	601	-	200	
Turkmenistan	513	-	-	-	513	513	-	201	
Pitcairn Islands	237	-	216	-	21	453	-	202	
Malawi	363	-	35	-	328	398	-	203	
Grenada	373	-	16	-	358	389	-	204	
Uzbekistan	149	-	197	-	-48	346	-	205	
Niue	333	-	7	-	326	340	-	206	
Chad	155	-	74	-	81	228	-	207	
South Sudan	194	-	4	-	190	198	-	208	
Anguilla	6	-	188	-	-182	194	-	209	
Falkland Islands	120	-	20	-	99	140	-	210	
Tajikistan	115	-	18	-	97	134	-	211	
Gibraltar	87	-	41	-	46	129	-	212	
French Guiana	107	-	9	-	98	116	-	213	
Gambia	60	-	44	-	16	103	-	214	
Cabo Verde	1	-	89	-	-87	90	-	215	
Turks & Caicos Islands	51	-	30	-	21	81	-	216	
Comoros	0	-	66	-	-66	66	-	217	
Sao Tome & Principe	0	-	41	-	-41	41	-	218	
British Indian Ocean Territory	0	-	17	-	-17	17	-	219	
Guinea-Bissau	0	-	2	-	-2	2	-	220	
Other (e)	3,422,991	1.0	16,089,012	5.1	-12,666,021	19,512,003	2.9		

(a) Recorded trade basis. (b) Balance on merchandise trade. (c) May exclude selected confidential export/import commodities. Refer to **Appendix G** - DFAT adjustments to official ABS trade data - for more information and a list of the commodities excluded. (e) Includes destination unknown, ships' stores, international waters and confidential items of trade.

Based on ABS trade data on the DFAT STARS database (ABS catalogue 5368.0).

**TABLE 30: AUSTRALIA'S MERCHANDISE EXPORT MARKETS (a)  
(A\$'000)**

Economy (b)	2016	2017	2018	Rank in 2018	% growth	
					2017 to 2018	5 year trend
<b>World (c)</b>	<b>259,069,000</b>	<b>301,981,000</b>	<b>345,342,000</b>		<b>14.4</b>	<b>5.2</b>
China	82,262,897	100,176,837	118,378,866	1	18.2	6.5
Japan	36,271,460	44,959,382	56,280,652	2	25.2	1.5
Republic of Korea	18,232,603	21,235,782	24,436,057	3	15.1	3.6
India	11,412,781	15,856,607	16,722,244	4	5.5	14.2
United States	12,434,718	12,270,190	13,439,973	5	9.5	4.8
Taiwan	7,678,668	8,973,832	10,638,154	6	18.5	8.0
Hong Kong (SAR of China)	10,017,066	12,057,198	10,352,962	7	-14.1	1.5
Singapore	5,500,350	6,627,888	9,836,597	8	48.4	5.4
New Zealand	8,739,128	9,100,802	9,681,696	9	6.4	5.0
Malaysia	5,491,391	5,963,563	7,492,785	10	25.6	4.0
Indonesia	6,023,480	6,989,720	6,822,792	11	-2.4	6.3
Thailand	3,567,731	4,476,588	6,555,097	12	46.4	2.4
United Kingdom	10,148,042	6,148,743	5,032,962	13	-18.1	11.4
Vietnam	3,793,112	4,628,287	5,019,411	14	8.5	17.2
United Arab Emirates	2,893,905	3,447,675	3,928,236	15	13.9	6.8
Netherlands	2,646,775	3,091,772	3,631,346	16	17.5	10.1
Germany	2,414,684	2,405,637	2,709,544	17	12.6	8.9
Philippines	1,940,978	2,329,529	2,193,201	18	-5.9	10.5
Papua New Guinea	1,720,078	1,745,715	2,178,707	19	24.8	-3.9
Canada	1,776,427	1,624,568	1,912,188	20	17.7	7.7
South Africa	1,008,263	1,439,965	1,705,566	21	18.4	4.1
France	1,262,859	1,422,034	1,634,439	22	14.9	6.3
Bahrain	752,568	895,560	1,421,633	23	58.7	12.8
Brazil	1,161,791	1,499,062	1,412,571	24	-5.8	12.8
Switzerland	1,076,664	1,439,785	1,172,096	25	-18.6	15.4
Belgium	955,242	1,257,913	962,711	26	-23.5	-3.4
Spain	571,298	691,267	913,081	27	32.1	12.7
Bangladesh	821,948	1,194,400	902,227	28	-24.5	14.8
Italy	753,913	752,399	883,047	29	17.4	4.1
Qatar	557,901	511,108	870,724	30	70.4	7.8
Saudi Arabia	1,606,289	1,278,464	744,636	31	-41.8	-19.1
Mozambique	370,334	560,590	701,948	32	25.2	9.9
Russian Federation	473,273	485,568	620,195	33	27.7	-3.5
Oman	493,805	377,553	609,618	34	61.5	6.9
Egypt	416,990	537,687	605,808	35	12.7	3.6
Poland	382,791	447,288	522,139	36	16.7	26.5
Fiji	421,428	424,247	473,072	37	11.5	9.5
Pakistan	648,870	700,865	467,163	38	-33.3	6.7
Argentina	166,765	344,475	449,630	39	30.5	20.8
Turkey	539,424	1,460,298	441,381	40	-69.8	-0.8
New Caledonia	342,964	394,140	439,705	41	11.6	8.5
Iceland	217,129	272,432	427,522	42	56.9	266.1
Sweden	296,755	297,514	421,544	43	41.7	8.2
Kuwait	698,558	561,332	382,159	44	-31.9	-7.3
Chile	478,240	388,286	323,988	45	-16.6	2.7

(a) Recorded trade basis. (b) May exclude selected confidential export commodities. Refer to *Appendix G* - DFAT adjustments to official ABS trade data - for more information and a list of the commodities excluded. (c) Balance of payments basis.

**TABLE 30: AUSTRALIA'S MERCHANDISE EXPORT MARKETS (a) (cont'd)**  
(A\$'000)

Economy (b)	2016	2017	2018	Rank in 2018	% growth	
					2017 to 2018	5 year trend
Israel	266,576	216,318	288,759	46	33.5	2.5
Mexico	464,200	223,266	279,427	47	25.2	-11.8
Iraq	37,346	89,072	274,971	48	208.7	-18.9
Sri Lanka	216,700	280,412	254,106	49	-9.4	3.7
Czech Republic	145,527	172,064	184,253	50	7.1	10.6
Norway	67,831	85,732	171,376	51	99.9	0.7
Yemen	253,817	271,302	162,456	52	-40.1	-11.5
Myanmar	159,378	172,564	162,106	53	-6.1	7.7
Iran	80,416	150,185	150,455	54	0.2	-15.2
Nigeria	190,542	217,566	143,346	55	-34.1	-2.9
Panama	44,920	116,238	137,074	56	17.9	24.1
Jordan	188,259	139,113	132,974	57	-4.4	-10.1
Solomon Islands	107,233	115,944	127,339	58	9.8	-4.4
Peru	118,010	143,723	120,417	59	-16.2	3.1
Ireland	103,270	98,027	106,867	60	9.0	14.1
Mauritius	86,754	103,286	98,417	61	-4.7	-0.2
Denmark	130,894	157,688	96,113	62	-39.0	-6.3
Macau (SAR of China)	87,636	70,365	91,032	63	29.4	25.1
Finland	67,747	58,474	88,288	64	51.0	7.8
Ghana	119,269	100,589	85,477	65	-15.0	2.3
Vanuatu	87,970	75,138	82,802	66	10.2	3.2
Cote d'Ivoire	21,192	59,153	77,635	67	31.2	43.3
Kenya	66,870	122,256	77,176	68	-36.9	-0.3
Georgia	4,631	11,064	71,300	69	544.5	16.4
Ukraine	52,799	64,300	69,295	70	7.8	1.8
Bulgaria	92,328	20,227	68,726	71	239.8	-20.0
Luxembourg	1,898	3,022	58,496	72	..	66.7
French Polynesia	48,698	51,158	55,895	73	9.3	3.7
Cambodia	44,921	39,740	55,093	74	38.6	9.4
Tanzania	52,397	45,279	52,494	75	15.9	-15.5
Colombia	48,845	51,513	52,456	76	1.8	7.1
Brunei	42,547	41,133	50,392	77	22.5	0.2
Romania	54,258	76,335	46,887	78	-38.6	9.8
Nauru	57,583	41,490	45,986	79	10.8	-20.7
Maldives	37,000	42,487	45,901	80	8.0	8.3
Nepal	45,146	51,288	45,869	81	-10.6	31.4
Portugal	16,571	53,660	40,356	82	-24.8	24.5
Austria	48,162	57,442	39,691	83	-30.9	-14.5
Lebanon	41,647	47,415	39,399	84	-16.9	-0.5
Slovenia	48,534	122,937	39,375	85	-68.0	19.0
Mongolia	15,046	25,748	38,913	86	51.1	17.8
Samoa	31,280	31,710	38,227	87	20.6	7.5
Hungary	31,820	28,284	36,407	88	28.7	15.9
Christmas Island	35,081	34,160	36,336	89	6.4	-5.8
Greece	16,214	19,308	31,470	90	63.0	21.1

(a) Recorded trade basis. (b) May exclude selected confidential export commodities. Refer to *Appendix G* - DFAT adjustments to official ABS trade data - for more information and a list of the commodities excluded.

**TABLE 30: AUSTRALIA'S MERCHANDISE EXPORT MARKETS (a) (cont'd)**  
(A\$'000)

Economy (b)	2016	2017	2018	Rank in 2018	% growth	
					2017 to 2018	5 year trend
Laos	22,769	24,092	26,988	91	12.0	-8.7
Senegal	23,945	49,784	26,279	92	-47.2	0.8
Jamaica	14,387	18,123	25,491	93	40.7	16.6
Angola	6,011	7,331	23,551	94	221.2	11.0
Ecuador	19,196	19,763	22,346	95	13.1	8.3
El Salvador	18,580	15,322	22,298	96	45.5	-2.5
Tonga	19,892	15,047	21,845	97	45.2	24.3
Madagascar	9,962	19,502	21,046	98	7.9	8.7
Kiribati	24,837	24,374	20,384	99	-16.4	-0.8
Morocco	23,223	39,888	20,081	100	-49.7	-6.7
Timor-Leste	36,620	30,370	19,978	101	-34.2	-2.1
Trinidad & Tobago	18,208	24,702	19,862	102	-19.6	4.3
Sudan	8,443	10,949	16,084	103	46.9	-51.3
Latvia	7,819	11,701	16,033	104	37.0	6.7
Dominican Republic	6,591	10,803	15,946	105	47.6	10.5
Kazakhstan	15,303	12,358	15,864	106	28.4	-15.8
Zambia	17,281	18,375	14,522	107	-21.0	-6.2
Mali	11,878	13,525	14,135	108	4.5	-13.8
Burkina Faso	13,853	14,588	13,481	109	-7.6	13.7
Cook Islands	8,350	8,717	13,451	110	54.3	12.6
Norfolk Island	13,061	13,748	12,985	111	-5.6	16.8
Togo	4,674	5,183	12,644	112	143.9	38.2
Algeria	8,360	32,257	12,108	113	-62.5	12.4
Mauritania	11,543	14,589	11,825	114	-18.9	-3.0
Guinea	4,334	7,747	11,539	115	48.9	22.3
Guam	12,631	9,508	11,532	116	21.3	-3.5
Namibia	9,023	9,846	10,584	117	7.5	-10.2
Uruguay	9,473	7,591	9,993	118	31.6	-8.7
Eritrea	2,059	2,566	9,612	119	274.6	29.5
Estonia	10,747	10,658	9,372	120	-12.1	7.5
Antarctica	6,507	7,653	9,076	121	18.6	-0.8
American Samoa	9,105	9,976	9,049	122	-9.3	12.0
Seychelles	6,498	6,931	8,205	123	18.4	7.8
Cocos Keeling Islands	8,795	8,790	7,009	124	-20.3	2.0
Costa Rica	10,675	5,268	6,922	125	31.4	19.6
Lithuania	8,949	6,305	6,597	126	4.6	4.1
Afghanistan	23,022	11,985	6,522	127	-45.6	11.0
Puerto Rico	4,102	1,911	6,515	128	241.0	-10.6
Federated States of Micronesia	10,520	4,270	6,348	129	48.7	-5.0
Ethiopia	5,084	2,374	5,568	130	134.6	11.2
Guatemala	5,583	3,377	5,517	131	63.3	-16.8
Reunion	5,743	5,111	5,029	132	-1.6	-12.5
Cyprus	4,162	4,962	4,882	133	-1.6	15.1
Marshall Islands	4,742	3,174	4,394	134	38.4	-3.5
Suriname	1,178	3,791	4,384	135	15.6	2.1

(a) Recorded trade basis. (b) May exclude selected confidential export commodities. Refer to *Appendix G* - DFAT adjustments to official ABS trade data - for more information and a list of the commodities excluded.

**TABLE 30: AUSTRALIA'S MERCHANDISE EXPORT MARKETS (a) (cont'd)**  
(A\$'000)

Economy (b)	2016	2017	2018	Rank in 2018	% growth	
					2017 to 2018	5 year trend
Northern Mariana Islands	4,784	2,172	4,379	136	101.6	18.7
Bahamas	4,645	10,120	4,319	137	-57.3	13.9
Uganda	8,343	16,442	4,302	138	-73.8	-26.7
Serbia	2,745	2,869	4,199	139	46.4	13.9
Azerbaijan	3,772	4,681	3,997	140	-14.6	-21.0
Malta	4,136	4,184	3,860	141	-7.7	-2.5
Guyana	2,012	4,348	3,776	142	-13.1	6.6
Democratic Republic of the Congo	3,129	3,882	3,594	143	-7.4	-31.1
Wallis & Futuna Island	3,788	3,919	3,535	144	-9.8	-2.1
Slovak Republic	23,932	2,583	3,409	145	32.0	17.2
Albania	2,448	4,083	3,100	146	-24.1	8.5
Libya	2,154	1,539	3,062	147	99.0	-36.4
Sierra Leone	1,495	3,474	3,021	148	-13.1	-18.6
Zimbabwe	1,976	1,399	2,995	149	114.1	-12.1
Croatia	15,510	3,413	2,772	150	-18.8	19.4
Djibouti	3,936	4,197	2,531	151	-39.7	3.1
Venezuela	14,746	1,358	2,498	152	84.0	-26.2
Tuvalu	3,181	3,898	2,401	153	-38.4	8.5
St Vincent & Grenadines	319	963	2,287	154	137.5	68.5
Gabon	1,803	1,888	2,255	155	19.5	-16.5
Bolivia	2,071	2,097	2,152	156	2.7	11.0
Barbados	3,005	1,488	2,060	157	38.4	-5.2
St Lucia	1,000	1,676	2,033	158	21.3	24.2
Botswana	1,109	2,433	1,892	159	-22.2	-21.0
Belize	879	238	1,815	160	663.5	33.2
French Antilles	700	317	1,796	161	466.2	-5.1
Tunisia	9,361	4,715	1,788	162	-62.1	-17.4
US Virgin Islands	176	246	1,773	163	620.3	11.3
Montserrat	0	9	1,761	164	..	..
Liberia	1,339	1,262	1,707	165	35.3	-29.3
Palau	2,391	1,701	1,517	166	-10.8	12.1
Nicaragua	1,726	2,286	1,486	167	-35.0	5.9
US Minor Outlying Islands	0	156	1,480	168	847.7	..
North Macedonia	1,441	841	1,463	169	73.9	25.5
Paraguay	844	3,071	1,388	170	-54.8	7.5
Kyrgyzstan	2,088	2,109	1,382	171	-34.5	-14.3
Cameroon	4,051	5,746	1,341	172	-76.7	1.7
Honduras	586	1,776	1,317	173	-25.8	-5.9
Somalia	1,030	2,752	1,288	174	-53.2	51.1
Syria	1,287	888	1,277	175	43.7	-12.8
Antigua & Barbuda	633	860	1,236	176	43.6	4.8
Republic of Congo	1,211	1,139	1,156	177	1.5	-24.9
Benin	1,968	935	1,131	178	20.9	-10.6
Armenia	718	2,044	1,064	179	-47.9	-19.5
Netherlands Antilles	1,626	1,442	1,009	180	-30.0	2.2

(a) Recorded trade basis. (b) May exclude selected confidential export commodities. Refer to *Appendix G* - DFAT adjustments to official ABS trade data - for more information and a list of the commodities excluded.

**TABLE 30: AUSTRALIA'S MERCHANDISE EXPORT MARKETS (a) (cont'd)**  
(A\$'000)

Economy (b)	2016	2017	2018	Rank in 2018	% growth	
					2017 to 2018	5 year trend
St Kitts & Nevis	618	673	997	181	48.2	20.5
Equatorial Guinea	64	408	903	182	121.4	14.9
Dominica	295	62	845	183	..	21.5
Central African Republic	3,694	526	777	184	47.8	127.5
Haiti	2,003	197	734	185	272.6	9.3
Cuba	1,599	913	684	186	-25.1	-27.0
Bosnia-Herzegovina	930	683	650	187	-4.9	1.0
Bermuda	752	697	558	188	-19.9	8.0
Belarus	335	447	529	189	18.3	3.5
Cayman Islands	481	1,256	521	190	-58.5	31.6
Rwanda	2,278	530	515	191	-2.8	-48.4
Turkmenistan	1,316	1,100	513	192	-53.3	-8.5
Bhutan	172	403	474	193	17.5	26.5
UK Virgin Islands	1,311	163	450	194	175.5	34.3
St Helena	587	840	442	195	-47.4	27.2
Niger	2,302	3,734	402	196	-89.2	26.0
Grenada	39	372	373	197	0.3	..
Malawi	18,681	6,431	363	198	-94.4	-49.8
Niue	221	205	333	199	62.7	-0.6
Pitcairn Islands	70	59	237	200	298.8	-25.8
South Sudan	282	259	194	201	-25.2	8.3
Montenegro	68	2,044	162	202	-92.1	56.3
Chad	1,701	1,398	155	203	-88.9	-33.8
Uzbekistan	169	2,723	149	204	-94.5	-43.0
Falkland Islands	214	256	120	205	-53.3	-14.7
Tajikistan	161	270	115	206	-57.2	-42.7
French Guiana	2	13	107	207	744.4	15.2
Gibraltar	40	28	87	208	214.4	-48.3
Eswatini	125	84	65	209	-22.9	-27.0
Gambia	28	30	60	210	98.8	..
Turks & Caicos Islands	11	2	51	211	..	-2.3
Moldova	44	185	29	212	-84.1	-49.2
Burundi	120	0	17	213	..	..
Lesotho	32	33	10	214	-70.6	..
Anguilla	0	0	6	215	..	..
Cabo Verde	177	3	1	216	-41.3	-5.8
Sao Tome & Principe	0	250	0	-	-100.0	..
Guinea-Bissau	295	0	0	-	..	..
Other (e)	2,927,867	3,298,476	3,422,991		3.8	-3.7

(a) Recorded trade basis. (b) May exclude selected confidential export commodities. Refer to **Appendix G** - DFAT adjustments to official ABS trade data - for more information and a list of the commodities excluded. (e) Includes destination unknown, ships' stores, international waters and confidential items of trade.

Based on ABS trade data on the DFAT STARS database (ABS catalogue 5368.0).

**TABLE 31: AUSTRALIA'S MERCHANDISE IMPORT SOURCES (a)  
(A\$'000)**

Economy (b)	2016	2017	2018	Rank in 2018	% growth	
					2017 to 2018	5 year trend
<b>World (c)</b>	<b>267,035,000</b>	<b>288,218,000</b>	<b>317,208,000</b>		<b>10.1</b>	<b>3.8</b>
China	59,505,169	64,518,499	74,903,304	1	16.1	8.7
United States	29,725,560	31,187,938	33,273,714	2	6.7	3.6
Japan	19,637,685	21,110,993	22,777,603	3	7.9	4.4
Germany	13,523,822	13,730,893	15,040,711	4	9.5	5.1
Thailand	14,581,398	14,394,327	14,939,972	5	3.8	6.6
Republic of Korea	10,971,984	30,851,641	13,424,043	6	-56.5	10.7
Malaysia	9,315,260	11,187,724	13,033,665	7	16.5	4.3
Singapore	7,130,538	8,274,902	11,574,635	8	39.9	-5.8
New Zealand	7,585,166	7,813,624	7,886,521	9	0.9	0.7
United Kingdom	7,125,645	6,876,165	7,239,025	10	5.3	3.2
Italy	5,899,881	6,241,106	7,038,231	11	12.8	2.9
Vietnam	4,508,552	5,095,475	6,098,144	12	19.7	7.2
India	4,366,147	5,108,953	5,497,951	13	7.6	17.2
France	4,510,732	4,900,555	5,313,767	14	8.4	1.6
Indonesia	4,907,646	4,201,338	4,995,694	15	18.9	-5.8
Taiwan	4,438,061	4,376,938	4,994,803	16	14.1	2.5
Switzerland	3,169,909	3,037,467	3,627,982	17	19.4	3.3
Papua New Guinea	3,556,673	3,335,726	3,590,830	18	7.6	2.3
Mexico	2,505,609	2,834,101	3,103,429	19	9.5	9.2
United Arab Emirates	2,044,581	2,111,251	3,051,024	20	44.5	-5.9
Netherlands	2,264,199	2,328,481	3,024,160	21	29.9	9.7
Sweden	2,049,538	2,288,484	2,702,925	22	18.1	4.6
Spain	2,091,777	2,188,652	2,567,684	23	17.3	-2.8
Canada	2,101,399	2,146,493	2,148,079	24	0.1	0.3
Belgium	1,700,355	1,983,459	2,101,510	25	6.0	4.4
Austria	1,442,497	1,614,169	1,944,000	26	20.4	16.5
Ireland	2,730,538	1,817,343	1,922,335	27	5.8	5.5
Denmark	1,210,625	1,318,501	1,427,491	28	8.3	5.8
South Africa	1,059,678	1,116,929	1,161,132	29	4.0	5.0
Finland	764,625	867,848	1,135,401	30	30.8	6.0
Turkey	995,492	846,563	1,039,427	31	22.8	8.7
Poland	893,070	1,033,433	1,015,162	32	-1.8	12.1
Hong Kong (SAR of China)	921,603	754,026	1,006,573	33	33.5	-7.2
Bangladesh	886,532	850,011	965,178	34	13.5	15.2
Australia	906,362	854,230	933,967	35	9.3	-5.2
Brazil	756,574	740,994	828,820	36	11.9	7.7
Israel	794,867	811,491	802,375	37	-1.1	3.0
Brunei	315,248	271,775	766,623	38	182.1	-12.1
Algeria	370,361	430,883	732,418	39	70.0	173.9
Libya	3	54,017	719,334	40	..	79.7
Philippines	777,657	677,574	716,881	41	5.8	-4.9
Czech Republic	752,479	717,752	713,457	42	-0.6	2.6
Argentina	666,626	731,093	708,146	43	-3.1	-3.0
Hungary	584,380	619,581	621,309	44	0.3	13.4
Saudi Arabia	435,208	409,501	604,259	45	47.6	11.9

(a) Recorded trade basis. (b) May exclude selected confidential export commodities. Refer to **Appendix G** - DFAT adjustments to official ABS trade data - for more information and a list of the commodities excluded. (c) Balance of payments basis.

**TABLE 31: AUSTRALIA'S MERCHANDISE IMPORT SOURCES (a) (cont'd)**  
(A\$'000)

Economy (b)	2016	2017	2018	Rank in 2018	% growth	
					2017 to 2018	5 year trend
Nigeria	1,210	517,204	586,531	46	13.4	-21.7
Republic of Congo	268,560	314,644	511,243	47	62.5	-14.2
Chile	532,704	453,883	462,445	48	1.9	-17.1
Gabon	603,638	570,973	460,435	49	-19.4	-15.2
Norway	319,122	398,858	443,393	50	11.2	-0.2
Qatar	342,975	390,455	442,633	51	13.4	-11.1
Puerto Rico	330,472	301,990	394,420	52	30.6	-5.5
Peru	352,515	355,570	323,682	53	-9.0	25.7
Pakistan	347,242	300,991	309,262	54	2.7	10.9
Portugal	208,706	242,829	297,506	55	22.5	16.4
Greece	211,083	230,745	265,552	56	15.1	7.9
Sri Lanka	223,388	244,029	258,516	57	5.9	10.5
Slovak Republic	328,303	337,418	255,774	58	-24.2	-5.8
Russian Federation	219,204	408,225	213,951	59	-47.6	-28.8
Romania	251,419	170,283	211,830	60	24.4	20.6
Cambodia	213,057	175,246	184,002	61	5.0	17.4
Fiji	190,445	175,547	173,882	62	-0.9	2.1
Estonia	73,153	96,746	166,988	63	72.6	31.9
Slovenia	135,798	163,302	161,083	64	-1.4	13.5
Costa Rica	114,176	118,718	127,976	65	7.8	-1.7
Lithuania	48,684	64,640	108,434	66	67.8	18.6
Bahrain	59,720	89,390	96,047	67	7.4	4.5
Colombia	76,196	100,384	88,253	68	-12.1	10.7
Bulgaria	70,557	67,165	81,398	69	21.2	12.6
Honduras	26,232	39,989	79,381	70	98.5	7.3
Azerbaijan	279	376	75,766	71	..	-46.5
Latvia	18,032	19,580	67,677	72	245.6	30.1
Ukraine	45,139	32,572	67,529	73	107.3	6.9
Oman	47,151	95,153	67,406	74	-29.2	3.1
Iran	85,978	44,548	62,985	75	41.4	19.4
Serbia	46,806	52,928	61,025	76	15.3	25.4
Namibia	10,027	10,058	55,524	77	452.0	36.7
Jordan	30,404	20,745	54,464	78	162.5	20.2
Egypt	34,295	49,245	53,540	79	8.7	13.5
Macau (SAR of China)	16,670	19,824	51,277	80	158.7	25.3
Kuwait	19,974	41,106	50,697	81	23.3	-30.3
Dominican Republic	74,748	62,223	48,049	82	-22.8	16.8
New Caledonia	29,991	29,979	47,650	83	58.9	-29.7
Morocco	66,020	57,350	42,958	84	-25.1	3.4
Myanmar	32,565	38,355	41,776	85	8.9	13.0
Croatia	31,138	36,158	38,356	86	6.1	11.5
Tunisia	31,803	31,794	38,294	87	20.4	14.1
Kenya	30,294	31,642	36,865	88	16.5	1.4
Cyprus	27,778	27,954	33,682	89	20.5	13.8
Angola	13,066	664	32,292	90	..	-31.1

(a) Recorded trade basis. (b) May exclude selected confidential export commodities. Refer to **Appendix G** - DFAT adjustments to official ABS trade data - for more information and a list of the commodities excluded.

**TABLE 31: AUSTRALIA'S MERCHANDISE IMPORT SOURCES (a) (cont'd)**  
(A\$'000)

Economy (b)	2016	2017	2018	Rank in 2018	% growth	
					2017 to 2018	5 year trend
Madagascar	10,083	18,317	30,485	91	66.4	48.8
Luxembourg	21,790	32,929	29,377	92	-10.8	-1.5
Ecuador	29,680	29,558	25,647	93	-13.2	5.8
Mauritius	26,583	16,914	25,214	94	49.1	13.6
Ethiopia	24,309	28,437	24,044	95	-15.4	8.9
Laos	11,350	15,610	22,909	96	46.8	7.4
Togo	10,782	28,200	22,261	97	-21.1	201.2
Trinidad & Tobago	8,942	8,622	21,575	98	150.2	11.8
Guatemala	18,199	21,571	21,561	99	-0.0	10.8
Belarus	3,076	5,035	20,933	100	315.8	25.5
Lebanon	17,501	18,100	20,266	101	12.0	8.5
Bosnia-Herzegovina	26,661	23,145	19,903	102	-14.0	48.1
Nicaragua	21,538	22,321	19,077	103	-14.5	9.5
Malta	23,281	16,359	17,507	104	7.0	-4.4
Panama	5,671	7,526	15,240	105	102.5	9.4
Bolivia	13,715	16,968	15,180	106	-10.5	-11.0
Iceland	16,115	9,405	12,931	107	37.5	-6.8
Albania	2,472	2,306	12,910	108	459.8	71.9
Cuba	11,441	12,346	11,768	109	-4.7	9.2
Mozambique	1,121	26,866	11,726	110	-56.4	95.1
Solomon Islands	9,607	15,007	11,277	111	-24.9	-32.0
Zambia	583	593	11,014	112	..	106.6
El Salvador	10,589	10,420	10,695	113	2.6	-5.6
North Macedonia	8,649	8,240	10,256	114	24.5	9.4
Cote d'Ivoire	20,518	20,860	10,157	115	-51.3	2.2
Seychelles	2,016	2,381	9,099	116	282.2	17.8
American Samoa	13,137	13,309	9,036	117	-32.1	0.9
Tanzania	5,609	7,238	7,995	118	10.5	-8.1
Uruguay	22,050	21,013	7,759	119	-63.1	-15.0
Nepal	8,264	7,470	7,583	120	1.5	3.8
UK Virgin Islands	5,617	6,667	6,211	121	-6.8	0.3
Bahamas	2,544	5,250	5,764	122	9.8	-2.3
Sierra Leone	2,385	16,132	5,752	123	-64.3	3.6
Samoa	32,949	18,793	5,263	124	-72.0	-26.6
Ghana	10,101	7,910	4,650	125	-41.2	-24.7
Nauru	6,331	7,768	4,201	126	-45.9	-16.8
Venezuela	1,092	1,281	4,083	127	218.6	15.7
Maldives	1,552	1,705	3,935	128	130.8	32.9
Antarctica	90	18	3,840	129	..	99.0
Antigua & Barbuda	872	3,257	3,747	130	15.0	204.3
Eswatini	3,561	5,080	3,333	131	-34.4	8.2
Kazakhstan	1,974	2,298	3,299	132	43.6	9.7
Haiti	2,289	2,613	2,901	133	11.0	14.0
Georgia	3,879	4,979	2,719	134	-45.4	-1.7
Uganda	3,589	2,124	2,601	135	22.5	-1.4

(a) Recorded trade basis. (b) May exclude selected confidential export commodities. Refer to *Appendix G* - DFAT adjustments to official ABS trade data - for more information and a list of the commodities excluded.

**TABLE 31: AUSTRALIA'S MERCHANDISE IMPORT SOURCES (a) (cont'd)**  
(A\$'000)

Economy (b)	2016	2017	2018	Rank in 2018	% growth	
					2017 to 2018	5 year trend
Niger	1,641	1,927	2,576	136	33.7	5.1
Paraguay	4,306	4,347	2,323	137	-46.6	25.9
Moldova	1,230	2,034	2,281	138	12.1	7.8
Tonga	2,027	2,025	2,277	139	12.5	12.0
Bhutan	1,042	1,185	1,965	140	65.9	44.2
Djibouti	1,159	1,867	1,899	141	1.7	44.1
Marshall Islands	603	169	1,886	142	..	14.4
Barbados	2,322	1,346	1,741	143	29.3	-13.8
Zimbabwe	834	503	1,737	144	245.3	33.5
Vanuatu	1,695	1,677	1,722	145	2.7	-5.3
Lesotho	1,107	1,050	1,710	146	62.9	-13.6
French Antilles	704	326	1,658	147	408.1	3.1
St Helena	2,574	1,513	1,593	148	5.3	46.6
Cameroon	763	883	1,537	149	74.1	17.1
Senegal	2,335	1,868	1,504	150	-19.5	50.5
French Polynesia	1,763	2,039	1,476	151	-27.6	-3.1
Armenia	312	755	1,378	152	82.6	23.9
Mongolia	1,710	509	1,371	153	169.1	16.0
Jamaica	2,207	1,605	1,360	154	-15.3	4.2
Cayman Islands	928	18,285	1,351	155	-92.6	29.3
Rwanda	1,527	1,396	1,281	156	-8.2	9.2
Christmas Island	2,852	1,387	1,232	157	-11.1	-19.0
Burundi	500	227	987	158	334.1	19.0
Timor-Leste	1,890	2,559	932	159	-63.6	-12.0
Belize	805	1,599	921	160	-42.4	-20.2
Dominica	282	87	682	161	686.5	1.6
Syria	1,505	930	622	162	-33.1	-9.3
Cook Islands	697	203	499	163	146.3	-6.6
Afghanistan	299	354	485	164	37.0	-27.5
Montenegro	426	538	479	165	-11.0	16.7
Netherlands Antilles	341	24,628	396	166	-98.4	23.8
Suriname	461	609	345	167	-43.3	15.2
Mali	4,332	1,074	317	168	-70.5	-38.6
US Virgin Islands	981	307	301	169	-2.0	-4.4
Guyana	391	472	279	170	-41.0	-4.9
Guinea	105	91	263	171	189.0	-11.2
Botswana	1,078	8,182	247	172	-97.0	66.4
Reunion	225	676	245	173	-63.8	85.9
Kyrgyzstan	53	293	243	174	-16.9	18.9
Iraq	90	42	233	175	457.4	31.4
Somalia	481	147	216	176	47.1	29.5
Pitcairn Islands	15	7	216	177	..	4.1
Uzbekistan	24	225	197	178	-12.4	-47.2
Anguilla	3	261	188	179	-27.9	100.8
Palau	8	475	173	180	-63.5	111.7

(a) Recorded trade basis. (b) May exclude selected confidential export commodities. Refer to *Appendix G* - DFAT adjustments to official ABS trade data - for more information and a list of the commodities excluded.

**TABLE 31: AUSTRALIA'S MERCHANDISE IMPORT SOURCES (a) (cont'd)**  
(A\$'000)

Economy (b)	2016	2017	2018	Rank in 2018	% growth	
					2017 to 2018	5 year trend
St Lucia	4	76	165	181	116.1	56.3
Tuvalu	137	174	120	182	-30.7	-25.0
Sudan	734	108	118	183	9.9	-12.5
Guam	253	698	102	184	-85.4	14.7
Mauritania	211	20	94	185	364.3	30.1
Cocos Keeling Islands	74	119	91	186	-23.3	-21.2
Cabo Verde	116	308	89	187	-71.2	-4.0
Democratic Republic of the Congo	238	375	79	188	-78.9	-35.3
Liberia	54	502	75	189	-85.1	-1.9
Chad	25	31	74	190	137.4	..
Burkina Faso	23	264	73	191	-72.5	..
Comoros	15	31	66	192	116.8	-33.5
Norfolk Island	98	99	60	193	-39.4	30.1
Kiribati	210	297	56	194	-81.1	-14.7
Yemen	23	20	50	195	149.7	-18.8
St Kitts & Nevis	112	455	49	196	-89.2	-3.1
Gambia	9	21	44	197	111.2	-18.1
Bermuda	290	211	43	198	-79.5	-72.1
Gibraltar	23	103	41	199	-60.0	..
Sao Tome & Principe	146	91	41	200	-54.5	-17.6
Malawi	40	1,624	35	201	-97.8	-8.4
Turks & Caicos Islands	18	112	30	202	-73.2	19.3
Eritrea	32	45	24	203	-47.4	..
Falkland Islands	32	32	20	204	-37.5	-15.6
Montserrat	53	66	19	205	-71.2	-7.9
Benin	8	31	19	206	-39.8	..
Tajikistan	18	14	18	207	30.5	79.0
Wallis & Futuna Island	0	1	18	208	..	..
British Indian Ocean Territory	13	4	17	209	306.7	11.4
Grenada	99	154	16	210	-89.8	-13.0
Northern Mariana Islands	4	1	14	211	..	-1.9
Central African Republic	4	201	11	212	-94.8	..
St Vincent & Grenadines	7	97	10	213	-89.6	..
Federated States of Micronesia	14	6	10	214	62.2	-35.3
French Guiana	0	20	9	215	-54.0	..
Niue	79	10	7	216	-26.8	3.0
South Sudan	45	4	4	217	-0.8	-26.6
Guinea-Bissau	0	3	2	218	-23.7	..
US Minor Outlying Islands	35	7	2	219	-72.5	19.1
Equatorial Guinea	86,642	26,458	0	-	-100.0	..
Turkmenistan	2,138	2,190	0	-	-100.0	..
French Southern Territories	0	15	0	-	-100.0	..
St Pierre & Miquelon	30	1	0	-	-100.0	..
Western Sahara	10	0	0	-	..	..
Other (e)	13,685,663	1,842,900	15,155,045		722.3	-17.6

(a) Recorded trade basis. (b) May exclude selected confidential export commodities. Refer to **Appendix G** - DFAT adjustments to official ABS trade data - for more information and a list of the commodities excluded. (e) Includes destination unknown, ships' stores, international waters and confidential items of trade.

Based on ABS trade data on the DFAT STARS database (ABS catalogue 5368.0).

**TABLE 32: AUSTRALIA'S MERCHANDISE TRADE BY ECONOMIC GROUPS  
AND GEOGRAPHIC REGIONS (a) (b)**  
(A\$ million)

	2016	2017	2018	% share	% growth	
					2017 to 2018	5 year trend
<b>Economic Groups</b>						
APEC	390,952	458,997	507,251	76.6	10.5	4.8
ASEAN	68,380	75,625	90,589	13.7	19.8	3.2
East Asia	318,477	384,790	427,985	64.6	11.2	5.2
European Union	69,259	67,458	73,137	11.0	8.4	5.6
Gulf Cooperation Council	9,953	10,209	12,269	1.9	20.2	-1.6
G20	380,947	443,516	481,463	72.7	8.6	5.7
Indian Ocean Rim Association	83,081	95,666	111,831	16.9	16.9	4.4
OECD	227,604	261,811	270,484	40.8	3.3	4.4
Pacific Islands Forum Countries	22,625	22,968	24,377	3.7	6.1	2.0
<b>Geographic Regions</b>						
<b>Africa</b>	<b>5,295</b>	<b>6,931</b>	<b>8,436</b>	<b>1.3</b>	<b>21.7</b>	<b>-3.1</b>
Central & West Africa	1,438	2,017	2,021	0.3	0.2	-15.6
North Africa	972	1,251	2,246	0.3	79.6	6.9
Southern & East Africa	2,885	3,663	4,170	0.6	13.8	4.3
<b>Americas</b>	<b>54,276</b>	<b>56,107</b>	<b>60,075</b>	<b>9.1</b>	<b>7.1</b>	<b>3.9</b>
Caribbean	508	528	594	0.1	12.5	-1.4
Central America	3,250	3,424	3,834	0.6	12.0	6.3
North America	46,038	47,229	50,774	7.7	7.5	3.9
South America	4,480	4,926	4,873	0.7	-1.1	3.5
<b>Asia</b>	<b>349,306</b>	<b>421,509</b>	<b>467,913</b>	<b>70.6</b>	<b>11.0</b>	<b>5.4</b>
Central Asia	60	60	185	0.0	209.3	-17.1
Middle East	11,752	12,019	14,260	2.2	18.7	-2.1
North Asia	250,058	309,132	337,376	50.9	9.1	5.8
South East Asia	68,418	75,658	90,610	13.7	19.8	3.2
Southern Asia	19,017	24,641	25,482	3.8	3.4	14.4
<b>Europe</b>	<b>76,548</b>	<b>76,105</b>	<b>81,582</b>	<b>12.3</b>	<b>7.2</b>	<b>5.2</b>
Eastern Europe	4,104	4,564	4,719	0.7	3.4	1.4
Northern Europe	25,248	20,695	21,228	3.2	2.6	6.5
South Eastern Europe	2,588	3,350	2,583	0.4	-22.9	7.2
Southern Europe	9,570	10,191	11,761	1.8	15.4	2.4
Western Europe	35,040	37,306	41,290	6.2	10.7	5.7
<b>Oceania &amp; Antarctica</b>	<b>23,159</b>	<b>23,551</b>	<b>25,032</b>	<b>3.8</b>	<b>6.3</b>	<b>2.0</b>
Antarctica	7	8	13	0.0	68.4	3.9
Pacific Islands	23,106	23,499	24,973	3.8	6.3	2.0
Other Oceania	47	45	46	0.0	3.4	-5.1
<b>Other</b>	<b>17,520</b>	<b>5,996</b>	<b>19,512</b>	<b>2.9</b>	<b>225.4</b>	<b>-11.3</b>
<b>Total (c)</b>	<b>526,104</b>	<b>590,199</b>	<b>662,550</b>		<b>12.3</b>	<b>4.5</b>

(a) Recorded trade basis. (b) May exclude selected confidential export/import commodities. Refer to **Appendix G** - DFAT adjustments to official ABS trade data - for more information and a list of the commodities excluded. (c) Balance of payments basis.

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0).

**TABLE 33: AUSTRALIA'S MERCHANDISE EXPORTS BY ECONOMIC GROUPS  
AND GEOGRAPHIC REGIONS (a) (b)**  
(A\$ million)

	2016	2017	2018	% share	% growth	
					2017 to 2018	5 year trend
<b>Economic Groups</b>						
APEC	207,031	244,444	286,622	83.0	17.3	4.7
ASEAN	26,587	31,293	38,214	11.1	22.1	6.4
East Asia	181,189	218,823	258,451	74.8	18.1	4.9
European Union	20,265	17,426	17,595	5.1	1.0	8.9
Gulf Cooperation Council	7,003	7,072	7,957	2.3	12.5	0.9
G20	194,099	227,270	261,241	75.6	14.9	5.4
Indian Ocean Rim Association	38,357	47,934	56,101	16.2	17.0	7.3
OECD	100,659	110,594	126,323	36.6	14.2	3.8
Pacific Islands Forum Countries	11,239	11,596	12,699	3.7	9.5	3.1
<b>Geographic Regions</b>						
<b>Africa</b>	<b>2,578</b>	<b>3,513</b>	<b>3,820</b>	<b>1.1</b>	<b>8.7</b>	<b>1.1</b>
Central & West Africa	424	507	413	0.1	-18.6	0.1
North Africa	469	627	659	0.2	5.1	-6.0
Southern & East Africa	1,684	2,379	2,748	0.8	15.5	3.6
<b>Americas</b>	<b>16,844</b>	<b>16,809</b>	<b>18,305</b>	<b>5.3</b>	<b>8.9</b>	<b>5.5</b>
Caribbean	62	77	91	0.0	18.6	7.5
Central America	547	368	456	0.1	24.0	-5.3
North America	14,211	13,895	15,352	4.4	10.5	5.1
South America	2,023	2,469	2,406	0.7	-2.6	10.7
<b>Asia</b>	<b>202,295</b>	<b>244,983</b>	<b>285,997</b>	<b>82.8</b>	<b>16.7</b>	<b>5.2</b>
Central Asia	51	48	101	0.0	108.8	-0.9
Middle East	7,872	7,986	9,007	2.6	12.8	-0.9
North Asia	154,565	187,499	220,217	63.8	17.4	4.7
South East Asia	26,623	31,323	38,234	11.1	22.1	6.4
Southern Asia	13,183	18,126	18,438	5.3	1.7	13.9
<b>Europe</b>	<b>22,700</b>	<b>21,245</b>	<b>20,507</b>	<b>5.9</b>	<b>-3.5</b>	<b>8.8</b>
Eastern Europe	1,138	1,229	1,468	0.4	19.4	5.4
Northern Europe	11,032	7,119	6,345	1.8	-10.9	12.1
South Eastern Europe	778	1,718	645	0.2	-62.5	-0.1
Southern Europe	1,346	1,502	1,840	0.5	22.6	8.2
Western Europe	8,406	9,678	10,208	3.0	5.5	7.8
<b>Oceania &amp; Antarctica</b>	<b>11,724</b>	<b>12,132</b>	<b>13,290</b>	<b>3.8</b>	<b>9.5</b>	<b>3.2</b>
Antarctica	7	8	9	0.0	18.6	-0.8
Pacific Islands	11,674	12,081	13,236	3.8	9.6	3.2
Other Oceania	44	43	45	0.0	4.0	-4.2
<b>Other</b>	<b>2,928</b>	<b>3,298</b>	<b>3,423</b>	<b>1.0</b>	<b>3.8</b>	<b>-3.7</b>
<b>Total (c)</b>	<b>259,069</b>	<b>301,981</b>	<b>345,342</b>		<b>14.4</b>	<b>5.2</b>

(a) Recorded trade basis. (b) May exclude selected confidential export commodities. Refer to **Appendix G** - DFAT adjustments to official ABS trade data - for more information and a list of the commodities excluded. (c) Balance of payments basis.

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0).

**TABLE 34: AUSTRALIA'S MERCHANDISE IMPORTS BY ECONOMIC GROUPS  
AND GEOGRAPHIC REGIONS (a) (b)  
(A\$ million)**

	2016	2017	2018	% share	% growth	
					2017 to 2018	5 year trend
<b>Economic Groups</b>						
APEC	183,921	214,553	220,629	69.6	2.8	4.9
ASEAN	41,793	44,332	52,374	16.5	18.1	1.2
East Asia	137,288	165,967	169,534	53.4	2.1	5.8
European Union	48,994	50,033	55,542	17.5	11.0	4.5
Gulf Cooperation Council	2,950	3,137	4,312	1.4	37.5	-5.6
G20	186,848	216,246	220,222	69.4	1.8	6.1
Indian Ocean Rim Association	44,724	47,733	55,730	17.6	16.8	1.9
OECD	126,945	151,217	144,162	45.4	-4.7	4.8
Pacific Islands Forum Countries	11,387	11,372	11,679	3.7	2.7	1.0
<b>Geographic Regions</b>						
<b>Africa</b>	<b>2,717</b>	<b>3,418</b>	<b>4,616</b>	<b>1.5</b>	<b>35.0</b>	<b>-6.0</b>
Central & West Africa	1,014	1,510	1,608	0.5	6.5	-18.1
North Africa	503	623	1,587	0.5	154.5	27.7
Southern & East Africa	1,200	1,285	1,421	0.4	10.7	5.8
<b>Americas</b>	<b>37,431</b>	<b>39,298</b>	<b>41,770</b>	<b>13.2</b>	<b>6.3</b>	<b>3.3</b>
Caribbean	445	451	502	0.2	11.4	-2.5
Central America	2,703	3,056	3,378	1.1	10.5	8.5
North America	31,827	33,334	35,422	11.2	6.3	3.4
South America	2,456	2,456	2,467	0.8	0.4	-1.7
<b>Asia</b>	<b>147,011</b>	<b>176,526</b>	<b>181,916</b>	<b>57.3</b>	<b>3.1</b>	<b>5.7</b>
Central Asia	9	11	84	0.0	632.4	-31.0
Middle East	3,880	4,033	5,253	1.7	30.3	-4.0
North Asia	95,493	121,632	117,159	36.9	-3.7	8.0
South East Asia	41,795	44,335	52,375	16.5	18.1	1.2
Southern Asia	5,834	6,514	7,044	2.2	8.1	16.3
<b>Europe</b>	<b>53,848</b>	<b>54,860</b>	<b>61,075</b>	<b>19.3</b>	<b>11.3</b>	<b>4.1</b>
Eastern Europe	2,966	3,335	3,251	1.0	-2.5	-0.1
Northern Europe	14,216	13,577	14,884	4.7	9.6	4.1
South Eastern Europe	1,810	1,631	1,938	0.6	18.8	11.2
Southern Europe	8,224	8,689	9,921	3.1	14.2	1.5
Western Europe	26,633	27,628	31,082	9.8	12.5	5.1
<b>Oceania &amp; Antarctica</b>	<b>11,435</b>	<b>11,419</b>	<b>11,742</b>	<b>3.7</b>	<b>2.8</b>	<b>0.7</b>
Antarctica	0	0	4	0.0	..	99.0
Pacific Islands	11,432	11,418	11,737	3.7	2.8	0.7
Other Oceania	3	2	1	0.0	-13.3	-19.0
<b>Other</b>	<b>14,592</b>	<b>2,697</b>	<b>16,089</b>	<b>5.1</b>	<b>496.5</b>	<b>-15.5</b>
<b>Total (c)</b>	<b>267,035</b>	<b>288,218</b>	<b>317,208</b>		<b>10.1</b>	<b>3.8</b>

(a) Recorded trade basis. (b) May exclude selected confidential export commodities. Refer to **Appendix G** - DFAT adjustments to official ABS trade data - for more information and a list of the commodities excluded. (c) Balance of payments basis.

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0).



## **Section 7**

**Australia's major merchandise  
trading partners  
Top 20 exports and imports**

**TABLE 35: AUSTRALIA'S MERCHANDISE TRADE WITH CANADA (a)(b)**  
(A\$'000)

Rank	Commodity	2016	2017	2018	% growth	
					2017 to 2018	5 year trend
<b>Top merchandise exports</b>						
<b>Total merchandise exports</b>		<b>1,776,427</b>	<b>1,624,568</b>	<b>1,912,188</b>	<b>17.7</b>	<b>7.7</b>
1	112 Alcoholic beverages	193,570	186,718	208,122	11.5	3.5
2	011 Beef, f.c.f.	107,380	126,354	138,555	9.7	4.1
3	012 Meat (excl beef), f.c.f.	82,455	100,338	107,700	7.3	9.3
4	897 Jewellery	50,737	58,267	63,039	8.2	10.0
5	542 Medicaments (incl veterinary)	34,064	20,173	42,931	112.8	-12.3
6	874 Measuring & analysing instruments	23,260	30,131	33,938	12.6	18.3
7	792 Aircraft, spacecraft & parts	50,109	26,649	28,325	6.3	-7.3
8	287 Other ores & concentrates (c)	32,372	33,194	28,321	-14.7	-26.4
9	689 Other non-ferrous metals	2,045	17,431	27,821	59.6	27.1
10	714 Non-electric engines & motors	10,225	14,809	26,510	79.0	14.1
11	288 Non-ferrous waste & scrap	253,098	149,828	19,191	-87.2	-24.0
12	081 Animal feed	10,749	14,894	18,964	27.3	28.9
13	057 Fruit & nuts	13,491	13,021	18,951	45.5	15.0
14	728 Specialised machinery & parts	57,663	34,130	16,675	-51.1	17.1
15	582 Plastic plates, sheets & film	8,640	16,097	15,076	-6.3	47.5
16	054 Vegetables, f.c.f.	11,435	16,493	13,434	-18.5	20.8
17	951 Gold coin & legal tender coin	14,011	13,537	13,221	-2.3	131.5
18	764 Telecom equipment & parts	14,993	20,665	11,676	-43.5	12.8
19	713 Internal combustion piston engines	47,630	7,599	11,162	46.9	-1.0
20	723 Civil engineering equipment & parts	6,471	9,716	10,250	5.5	-19.6
	988 Confidential items of trade	173,968	190,155	807,535	..	..
<b>Top merchandise imports</b>						
<b>Total merchandise imports</b>		<b>2,101,399</b>	<b>2,146,493</b>	<b>2,148,079</b>	<b>0.1</b>	<b>0.3</b>
1	721 Agric machinery (excl tractors) & parts	133,412	148,264	144,990	-2.2	14.6
2	542 Medicaments (incl veterinary)	115,786	130,310	129,632	-0.5	-0.3
3	274 Sulphur & iron pyrites	93,128	71,972	104,309	44.9	-7.3
4	714 Non-electric engines & motors	135,608	109,893	97,753	-11.0	6.4
5	874 Measuring & analysing instruments	73,874	83,575	83,931	0.4	3.3
6	792 Aircraft, spacecraft & parts	83,808	102,765	79,227	-22.9	26.8
7	764 Telecom equipment & parts	64,922	78,909	68,389	-13.3	9.1
8	562 Fertilisers (excl crude)	63,819	57,761	66,560	15.2	-2.4
9	723 Civil engineering equipment & parts	29,510	39,636	51,178	29.1	-12.0
10	744 Mechanical handling equip & parts	47,177	49,348	50,917	3.2	7.3
11	553 Perfumery & cosmetics (excl soap)	38,623	44,031	49,493	12.4	11.9
12	728 Specialised machinery & parts	47,054	44,252	47,409	7.1	-0.9
13	012 Meat (excl beef), f.c.f.	65,267	59,196	45,565	-23.0	-14.6
14	248 Wood, simply worked	42,512	38,343	45,272	18.1	6.6
15	784 Vehicle parts & accessories	37,004	30,573	37,202	21.7	2.1
16	641 Paper & paperboard	16,042	22,398	36,829	64.4	14.7
17	772 Electrical circuits equipment	27,963	29,005	34,612	19.3	12.0
18	683 Nickel	17,492	16,898	33,646	99.1	5.5
19	743 Pumps (excl liquid pumps) & parts	27,509	40,613	31,272	-23.0	14.8
20	778 Electrical machinery & parts, nes	44,662	48,561	31,108	-35.9	7.7
	988 Confidential items of trade	6,267	23,095	3,720	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 36: AUSTRALIA'S MERCHANDISE TRADE WITH CHINA (a)(b)**  
(A\$'000)

Rank Commodity	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Top merchandise exports</b>					
<b>Total merchandise exports</b>	<b>82,262,897</b>	<b>100,176,837</b>	<b>118,378,866</b>	<b>18.2</b>	<b>6.5</b>
1 281 Iron ores & concentrates	44,131,531	51,671,823	51,367,154	-0.6	0.2
2 321 Coal	8,393,423	11,792,088	14,320,447	21.4	11.0
3 343 Natural gas	4,283,000	6,851,000	13,699,000	100.0	95.6
4 971 Gold	2,401,964	1,130,049	5,789,171	412.3	622.9
5 268 Wool & other animal hair (incl tops)	2,202,126	2,741,436	2,891,902	5.5	10.5
6 283 Copper ores & concentrates	1,449,634	1,970,734	2,662,701	35.1	4.4
7 098 Edible products & preparations, nes	1,165,907	1,681,366	1,506,838	-10.4	70.5
8 287 Other ores & concentrates (c)	635,312	878,859	1,487,735	69.3	-12.8
9 278 Crude minerals, nes	256,899	1,147,197	1,465,006	27.7	71.8
10 043 Barley	929,263	1,494,484	1,411,228	-5.6	14.9
11 263 Cotton	463,646	596,557	1,315,467	120.5	-9.8
12 011 Beef, f.c.f.	670,415	832,513	1,298,745	56.0	9.7
13 285 Aluminium ores & conc (incl alumina)	963,124	1,073,793	1,286,322	19.8	18.9
14 682 Copper	1,562,756	1,066,510	1,173,728	10.1	-12.5
15 112 Alcoholic beverages	518,404	844,506	1,083,392	28.3	42.8
16 542 Medicaments (incl veterinary)	746,047	811,911	937,440	15.5	22.3
17 246 Wood in chips or particles	687,877	728,946	885,236	21.4	326.6
18 333 Crude petroleum	1,039,186	464,580	787,852	69.6	..
19 012 Meat (excl beef), f.c.f.	285,425	520,893	751,385	44.2	5.5
20 036 Crustaceans, f.c.f.	68,018	254,936	698,678	174.1	90.1
988 Confidential items of trade	2,298,786	3,669,385	3,340,271	..	..
<b>Top merchandise imports</b>					
<b>Total merchandise imports</b>	<b>59,505,169</b>	<b>64,518,499</b>	<b>74,903,304</b>	<b>16.1</b>	<b>8.7</b>
1 764 Telecom equipment & parts	6,966,799	7,468,631	8,527,956	14.2	11.0
2 752 Computers	4,712,494	5,462,763	6,481,012	18.6	5.4
3 821 Furniture, mattresses & cushions	2,684,071	2,758,441	3,289,127	19.2	8.8
4 894 Prams, toys, games & sporting goods	2,113,461	2,404,898	2,600,053	8.1	8.3
5 893 Plastic articles, nes	1,677,944	1,826,251	2,091,936	14.5	12.7
6 334 Refined petroleum	1,196,387	1,137,452	2,071,394	82.1	104.9
7 845 Other textile clothing	1,861,881	1,931,667	2,020,400	4.6	5.9
8 776 Electronic integrated circuits	573,220	969,447	1,854,783	91.3	24.3
9 699 Manufactures of base metal, nes	1,230,290	1,334,655	1,615,964	21.1	10.9
10 778 Electrical machinery & parts, nes	1,209,108	1,357,841	1,522,243	12.1	10.7
11 842 Women's clothing (excl knitted)	1,285,180	1,336,812	1,497,623	12.0	4.4
12 691 Iron, steel, aluminium structures	898,561	1,076,008	1,474,836	37.1	3.3
13 775 Household-type equipment, nes	1,310,054	1,337,079	1,354,754	1.3	7.0
14 761 Monitors, projectors & TVs	1,105,604	1,250,108	1,287,784	3.0	10.9
15 658 Made-up textile articles, nes	1,090,502	1,126,199	1,258,201	11.7	10.0
16 851 Footwear	1,252,887	1,204,170	1,227,935	2.0	2.6
17 813 Lighting fixtures & fittings	958,761	987,553	1,042,122	5.5	9.6
18 773 Electrical distributing equipment	678,425	855,744	1,008,453	17.8	12.0
19 831 Travel goods, bags & like containers	840,572	861,969	981,016	13.8	5.9
20 744 Mechanical handling equip & parts	767,475	704,140	927,643	31.7	5.6
988 Confidential items of trade	962,317	1,448,978	1,168,616	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

for more information and a list of the commodities excluded.

(c) Mainly *Manganese and Zinc ores & concentrates*.

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 37: AUSTRALIA'S MERCHANDISE TRADE WITH FRANCE (a)(b)**  
(A\$'000)

Rank Commodity	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Top merchandise exports</b>					
<b>Total merchandise exports</b>	<b>1,262,859</b>	<b>1,422,034</b>	<b>1,634,439</b>	<b>14.9</b>	<b>6.3</b>
1 321 Coal	646,494	681,238	787,534	15.6	13.3
2 792 Aircraft, spacecraft & parts	110,121	96,609	105,364	9.1	-2.9
3 222 Oil-seeds & oleaginous fruits, soft	111,124	226,082	89,319	-60.5	-11.5
4 874 Measuring & analysing instruments	16,796	22,220	49,324	122.0	0.4
5 211 Hides & skins, raw (excl furskins)	16,484	17,865	23,115	29.4	-0.1
6 772 Electrical circuits equipment	10,392	15,302	17,131	12.0	6.7
7 012 Meat (excl beef), f.c.f.	21,270	17,337	16,707	-3.6	3.5
8 764 Telecom equipment & parts	10,591	11,974	11,767	-1.7	6.0
9 778 Electrical machinery & parts, nes	9,410	4,382	11,360	159.2	-12.1
10 292 Crude vegetable matter, nes	6,543	8,804	11,053	25.5	5.8
11 057 Fruit & nuts	9,159	8,744	10,427	19.2	-0.8
12 522 Inorganic chemical elements	9,512	7,989	10,027	25.5	23.5
13 872 Medical instruments (incl veterinary)	5,256	7,557	7,869	4.1	5.0
14 541 Pharm products (excl medicaments)	3,263	3,760	7,823	108.0	24.7
15 743 Pumps (excl liquid pumps) & parts	7,092	5,624	6,412	14.0	-6.7
16 112 Alcoholic beverages	10,595	7,767	5,859	-24.6	0.7
17 752 Computers	3,151	9,102	5,842	-35.8	1.1
18 714 Non-electric engines & motors	2,827	2,357	5,643	139.4	-19.8
19 894 Prams, toys, games & sporting goods	2,250	3,785	5,596	47.9	26.6
20 791 Railway vehicles (incl hovertrains)	6,447	1,842	5,343	190.1	-11.9
988 Confidential items of trade	128,370	124,816	310,811	..	..
<b>Top merchandise imports</b>					
<b>Total merchandise imports</b>	<b>4,510,732</b>	<b>4,900,555</b>	<b>5,313,767</b>	<b>8.4</b>	<b>1.6</b>
1 542 Medicaments (incl veterinary)	466,946	495,762	469,721	-5.3	-7.3
2 553 Perfumery & cosmetics (excl soap)	342,247	378,792	443,950	17.2	9.3
3 112 Alcoholic beverages	353,656	370,468	428,241	15.6	6.2
4 723 Civil engineering equipment & parts	119,535	116,036	279,207	140.6	5.6
5 831 Travel goods, bags & like containers	140,247	136,321	167,457	22.8	..
6 874 Measuring & analysing instruments	138,600	133,549	160,126	19.9	3.6
7 792 Aircraft, spacecraft & parts	182,146	206,686	145,898	-29.4	69.5
8 897 Jewellery	57,755	129,588	143,039	10.4	47.3
9 744 Mechanical handling equip & parts	90,739	115,782	122,516	5.8	14.6
10 782 Goods vehicles	115,557	117,056	120,069	2.6	20.3
11 714 Non-electric engines & motors	84,660	130,385	114,683	-12.0	-0.9
12 772 Electrical circuits equipment	79,676	94,495	104,748	10.9	1.7
13 781 Passenger motor vehicles	41,600	82,331	93,132	13.1	-6.0
14 899 Misc manufactured articles, nes	84,646	87,199	87,426	0.3	-0.8
15 541 Pharm products (excl medicaments)	55,759	61,659	80,250	30.2	2.1
16 764 Telecom equipment & parts	99,757	98,328	76,849	-21.8	8.0
17 081 Animal feed	42,657	42,465	74,337	75.1	22.3
18 635 Wood manufactures, nes	48,935	55,413	64,554	16.5	6.9
19 778 Electrical machinery & parts, nes	47,118	47,198	62,208	31.8	7.9
20 722 Tractors	55,026	75,506	61,152	-19.0	14.3
988 Confidential items of trade	10,855	120,099	33,081	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 38: AUSTRALIA'S MERCHANDISE TRADE WITH GERMANY (a)(b)**  
(A\$'000)

Rank Commodity	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Top merchandise exports</b>					
<b>Total merchandise exports</b>	<b>2,414,684</b>	<b>2,405,637</b>	<b>2,709,544</b>	<b>12.6</b>	<b>8.9</b>
1 222 Oil-seeds & oleaginous fruits, soft	519,040	681,266	489,668	-28.1	33.9
2 951 Gold coin & legal tender coin	536,382	371,930	469,081	26.1	1.2
3 289 Precious metal ores & conc (excl gold)	266,072	237,586	250,566	5.5	3.8
4 321 Coal	128,268	100,269	202,707	102.2	10.8
5 541 Pharm products (excl medicaments)	98,839	105,166	120,572	14.6	17.1
6 287 Other ores & concentrates (c)	58,871	89,294	107,863	20.8	13.3
7 899 Misc manufactured articles, nes	17,654	42,055	61,829	47.0	37.9
8 971 Gold	77,575	50,397	56,759	12.6	-1.8
9 792 Aircraft, spacecraft & parts	49,467	49,181	56,691	15.3	14.9
10 874 Measuring & analysing instruments	52,927	37,591	56,611	50.6	7.8
11 872 Medical instruments (incl veterinary)	36,095	46,865	51,390	9.7	-5.1
12 057 Fruit & nuts	57,843	44,434	48,337	8.8	7.7
13 764 Telecom equipment & parts	26,031	25,430	47,107	85.2	15.7
14 522 Inorganic chemical elements	33,616	39,538	46,409	17.4	6.5
15 283 Copper ores & concentrates	0	0	41,050	..	..
16 897 Jewellery	24,927	18,525	35,775	93.1	-11.2
17 012 Meat (excl beef), f.c.f.	16,535	19,066	31,362	64.5	14.1
18 112 Alcoholic beverages	28,351	38,788	31,157	-19.7	7.4
19 728 Specialised machinery & parts	21,276	21,308	28,881	35.5	18.1
20 772 Electrical circuits equipment	14,683	23,482	25,411	8.2	22.1
988 Confidential items of trade	17,165	16,302	29,830	..	..
<b>Top merchandise imports</b>					
<b>Total merchandise imports</b>	<b>13,523,822</b>	<b>13,730,893</b>	<b>15,040,711</b>	<b>9.5</b>	<b>5.1</b>
1 781 Passenger motor vehicles	3,661,974	3,064,220	2,931,434	-4.3	3.3
2 542 Medicaments (incl veterinary)	1,160,755	1,164,638	1,131,077	-2.9	1.4
3 541 Pharm products (excl medicaments)	463,372	500,638	614,078	22.7	28.6
4 782 Goods vehicles	373,247	458,379	607,218	32.5	26.2
5 716 Rotating electric plant & parts	118,203	110,142	502,640	356.4	22.8
6 874 Measuring & analysing instruments	275,790	305,659	363,971	19.1	2.0
7 728 Specialised machinery & parts	291,328	289,676	332,096	14.6	3.8
8 784 Vehicle parts & accessories	239,134	245,960	329,470	34.0	4.0
9 743 Pumps (excl liquid pumps) & parts	251,314	243,712	302,736	24.2	-0.4
10 723 Civil engineering equipment & parts	112,540	199,360	263,683	32.3	-2.1
11 775 Household-type equipment, nes	196,738	250,495	263,099	5.0	9.4
12 744 Mechanical handling equip & parts	231,579	233,288	253,145	8.5	-0.7
13 872 Medical instruments (incl veterinary)	209,930	206,165	248,619	20.6	8.0
14 745 Non-electrical machinery & parts	167,451	222,674	231,156	3.8	3.6
15 778 Electrical machinery & parts, nes	158,237	188,036	194,651	3.5	4.2
16 721 Agric machinery (excl tractors) & parts	190,801	227,770	192,851	-15.3	31.4
17 748 Transmission shafts & parts	131,939	149,708	187,658	25.3	6.4
18 774 Medical electrodiagnostic apparatus	251,945	159,676	186,526	16.8	2.9
19 764 Telecom equipment & parts	123,773	129,039	179,019	38.7	-2.0
20 772 Electrical circuits equipment	160,511	156,224	177,346	13.5	1.2
988 Confidential items of trade	64,987	137,060	138,346	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

for more information and a list of the commodities excluded.

(c) Mainly *Manganese and Zinc ores & concentrates*.

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 39: AUSTRALIA'S MERCHANDISE TRADE WITH HONG KONG (SAR OF CHINA) (a)(b)**  
(A\$'000)

Rank Commodity	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Top merchandise exports</b>					
<b>Total merchandise exports</b>	<b>10,017,066</b>	<b>12,057,198</b>	<b>10,352,962</b>	<b>-14.1</b>	<b>1.5</b>
1 971 Gold	6,608,870	8,721,536	6,988,973	-19.9	-0.4
2 764 Telecom equipment & parts	335,149	295,057	385,878	30.8	10.1
3 098 Edible products & preparations, nes	430,254	396,132	332,012	-16.2	55.4
4 057 Fruit & nuts	199,510	168,907	159,731	-5.4	-0.5
5 012 Meat (excl beef), f.c.f.	120,041	143,195	148,551	3.7	-7.0
6 112 Alcoholic beverages	144,910	155,916	142,981	-8.3	7.7
7 667 Pearls & gems	166,539	136,915	128,195	-6.4	-2.1
8 541 Pharm products (excl medicaments)	153,984	61,664	113,717	84.4	41.9
9 686 Zinc	61,493	97,667	107,874	10.5	-6.1
10 036 Crustaceans, f.c.f.	185,324	123,529	103,618	-16.1	-9.1
11 553 Perfumery & cosmetics (excl soap)	86,666	109,003	98,747	-9.4	17.5
12 884 Optical goods, nes	83,825	99,301	96,997	-2.3	60.3
13 011 Beef, f.c.f.	76,585	98,452	96,777	-1.7	3.5
14 001 Live animals (excl seafood)	58,968	68,062	82,700	21.5	23.0
15 752 Computers	48,170	68,873	75,593	9.8	20.2
16 542 Medicaments (incl veterinary)	79,679	98,215	74,154	-24.5	2.0
17 291 Crude animal matter, nes	61,088	69,075	67,698	-2.0	61.4
18 281 Iron ores & concentrates	16,294	23,410	66,809	185.4	..
19 524 Other inorganic chemicals	38	144	65,321	..	245.6
20 334 Refined petroleum	35,236	47,265	62,691	32.6	1.2
988 Confidential items of trade	87,994	123,251	35,142	..	..
<b>Top merchandise imports</b>					
<b>Total merchandise imports</b>	<b>921,603</b>	<b>754,026</b>	<b>1,006,573</b>	<b>33.5</b>	<b>-7.2</b>
1 971 Gold	151,217	7,894	320,454	..	14.6
2 764 Telecom equipment & parts	109,380	157,857	90,845	-42.5	5.1
3 776 Electronic integrated circuits	17,053	17,098	59,210	246.3	30.9
4 667 Pearls & gems	40,928	37,220	41,078	10.4	-0.2
5 897 Jewellery	46,974	37,154	31,160	-16.1	-9.8
6 098 Edible products & preparations, nes	27,130	29,148	28,372	-2.7	0.5
7 892 Printed matter	41,255	28,515	27,991	-1.8	-20.4
8 775 Household-type equipment, nes	13,146	12,208	20,736	69.9	-1.0
9 894 Prams, toys, games & sporting goods	22,476	22,798	17,258	-24.3	-14.1
10 778 Electrical machinery & parts, nes	21,716	17,001	16,252	-4.4	-12.5
11 122 Tobacco, manufactured	14,850	15,257	15,373	0.8	8.9
12 681 Silver & platinum	23,827	20,822	14,929	-28.3	4.2
13 772 Electrical circuits equipment	13,180	15,230	14,264	-6.3	-3.9
14 541 Pharm products (excl medicaments)	12,879	11,498	11,713	1.9	24.9
15 885 Watches & clocks	27,870	13,051	10,020	-23.2	-19.3
16 752 Computers	12,195	10,131	9,513	-6.1	-17.6
17 893 Plastic articles, nes	12,434	11,207	9,411	-16.0	-24.6
18 874 Measuring & analysing instruments	7,254	7,747	8,872	14.5	-7.7
19 884 Optical goods, nes	7,306	4,987	8,782	76.1	-50.5
20 334 Refined petroleum	11,117	10,346	8,741	-15.5	55.1
988 Confidential items of trade	483	4,642	1,042	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 40: AUSTRALIA'S MERCHANDISE TRADE WITH INDIA (a)(b)**  
(A\$'000)

Rank Commodity	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Top merchandise exports</b>					
<b>Total merchandise exports</b>	<b>11,412,781</b>	<b>15,856,607</b>	<b>16,722,244</b>	<b>5.5</b>	<b>14.2</b>
1 321 Coal	6,654,521	9,181,434	10,978,518	19.6	19.0
2 343 Natural gas	364,000	830,000	941,000	13.4	..
3 971 Gold	292,371	678,786	711,079	4.8	-12.1
4 283 Copper ores & concentrates	645,929	686,280	643,454	-6.2	-7.3
5 281 Iron ores & concentrates	0	43,752	486,011	..	..
6 268 Wool & other animal hair (incl tops)	217,199	219,773	263,308	19.8	8.7
7 288 Non-ferrous waste & scrap	121,762	152,757	215,091	40.8	28.0
8 333 Crude petroleum	23,752	0	166,320	..	..
9 057 Fruit & nuts	114,234	169,663	146,684	-13.5	7.4
10 282 Ferrous waste & scrap	80,494	112,089	141,491	26.2	3.5
11 685 Lead	115,548	110,775	134,001	21.0	6.3
12 533 Pigments, paints & varnishes	76,683	97,993	125,111	27.7	15.1
13 263 Cotton	340,213	174,852	76,177	-56.4	38.9
14 641 Paper & paperboard	42,892	69,779	50,798	-27.2	10.0
15 686 Zinc	21,335	32,601	48,347	48.3	26.5
16 684 Aluminium	66,156	78,838	43,272	-45.1	19.0
17 287 Other ores & concentrates (c)	95,641	25,934	34,712	33.8	-31.8
18 054 Vegetables, f.c.f.	893,945	1,377,000	30,781	-97.8	-8.6
19 562 Fertilisers (excl crude)	23,568	1,865	28,841	..	215.6
20 251 Pulp & waste paper	17,966	16,473	28,439	72.6	19.6
988 Confidential items of trade	517,644	865,383	933,212	..	..
<b>Top merchandise imports</b>					
<b>Total merchandise imports</b>	<b>4,366,147</b>	<b>5,108,953</b>	<b>5,497,951</b>	<b>7.6</b>	<b>17.2</b>
1 334 Refined petroleum	1,155,005	1,553,809	1,231,251	-20.8	127.0
2 791 Railway vehicles (incl hovertrains)	74,114	199,346	456,844	129.2	147.4
3 542 Medicaments (incl veterinary)	340,588	334,592	379,648	13.5	14.2
4 667 Pearls & gems	271,792	274,144	278,882	1.7	6.7
5 897 Jewellery	169,913	176,486	190,404	7.9	5.0
6 658 Made-up textile articles, nes	166,932	173,791	183,973	5.9	10.1
7 842 Women's clothing (excl knitted)	89,290	101,304	98,525	-2.7	16.3
8 781 Passenger motor vehicles	69,982	49,092	95,821	95.2	-22.3
9 659 Floor coverings	86,773	93,667	95,725	2.2	13.3
10 845 Other textile clothing	76,288	85,136	94,806	11.4	17.7
11 699 Manufactures of base metal, nes	53,265	68,698	93,274	35.8	15.4
12 831 Travel goods, bags & like containers	61,437	64,981	81,743	25.8	18.8
13 042 Rice	47,188	56,178	72,586	29.2	10.0
14 515 Organo-inorganic compounds	72,972	93,613	71,209	-23.9	-2.9
15 773 Electrical distributing equipment	16,747	38,246	67,592	76.7	42.5
16 821 Furniture, mattresses & cushions	57,334	56,290	64,010	13.7	13.6
17 772 Electrical circuits equipment	43,853	49,500	60,194	21.6	7.0
18 625 Rubber tyres, treads & tubes	34,683	39,642	51,952	31.1	8.9
19 292 Crude vegetable matter, nes	36,950	41,514	50,719	22.2	6.8
20 728 Specialised machinery & parts	38,239	37,876	46,698	23.3	20.9
988 Confidential items of trade	27,241	36,620	40,216	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

for more information and a list of the commodities excluded.

(c) Mainly *Manganese and Zinc ores & concentrates*.

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 41: AUSTRALIA'S MERCHANDISE TRADE WITH INDONESIA (a)(b)**  
(A\$'000)

Rank Commodity	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Top merchandise exports</b>					
<b>Total merchandise exports</b>	<b>6,023,480</b>	<b>6,989,720</b>	<b>6,822,792</b>	<b>-2.4</b>	<b>6.3</b>
1 333 Crude petroleum	616,011	1,318,655	826,636	-37.3	53.5
2 321 Coal	318,689	444,119	748,773	68.6	54.0
3 041 Wheat	981,277	1,364,937	701,699	-48.6	-7.6
4 001 Live animals (excl seafood)	699,153	602,481	632,644	5.0	12.6
5 061 Sugars, molasses & honey	571,406	331,126	350,812	5.9	-5.2
6 011 Beef, f.c.f.	346,877	283,540	316,694	11.7	8.5
7 282 Ferrous waste & scrap	30,352	95,520	234,341	145.3	3.0
8 281 Iron ores & concentrates	232,096	280,831	230,291	-18.0	29.4
9 684 Aluminium	122,139	180,954	153,805	-15.0	-8.3
10 263 Cotton	172,993	213,314	142,334	-33.3	-1.4
11 686 Zinc	73,372	114,118	126,950	11.2	15.7
12 022 Milk, cream, whey & yoghurt	125,395	130,271	118,305	-9.2	-6.3
13 012 Meat (excl beef), f.c.f.	51,991	87,411	100,778	15.3	31.0
14 742 Pumps for liquids & parts	43,810	55,949	92,549	65.4	15.5
15 728 Specialised machinery & parts	81,655	69,696	86,326	23.9	4.2
16 694 Nails, screws, nuts, bolts & rivets	66,736	47,695	78,053	63.7	19.9
17 057 Fruit & nuts	99,261	76,543	74,838	-2.2	13.7
18 592 Starches, inulin & wheat gluten	19,281	26,030	65,690	152.4	10.1
19 081 Animal feed	84,526	71,408	64,760	-9.3	-10.2
20 533 Pigments, paints & varnishes	44,366	54,858	61,718	12.5	6.0
988 Confidential items of trade	235,662	174,862	511,910	..	..
<b>Top merchandise imports</b>					
<b>Total merchandise imports</b>	<b>4,907,646</b>	<b>4,201,338</b>	<b>4,995,694</b>	<b>18.9</b>	<b>-5.8</b>
1 333 Crude petroleum	886,215	870,940	1,107,616	27.2	-15.3
2 334 Refined petroleum	216,124	351,094	468,406	33.4	2.5
3 122 Tobacco, manufactured	19,804	38,379	304,159	692.5	117.5
4 248 Wood, simply worked	183,464	200,932	217,569	8.3	4.7
5 761 Monitors, projectors & TVs	78,455	104,587	181,572	73.6	11.4
6 851 Footwear	153,673	138,262	149,707	8.3	12.2
7 821 Furniture, mattresses & cushions	86,101	82,793	90,908	9.8	3.6
8 625 Rubber tyres, treads & tubes	84,791	83,437	86,136	3.2	-5.2
9 845 Other textile clothing	87,313	86,903	83,454	-4.0	19.4
10 641 Paper & paperboard	122,742	96,677	80,717	-16.5	9.9
11 642 Paper & paperboard, cut to size	79,632	69,932	75,822	8.4	12.2
12 072 Cocoa	60,684	53,461	72,907	36.4	8.6
13 841 Men's clothing (excl knitted)	62,048	61,634	71,404	15.9	15.4
14 842 Women's clothing (excl knitted)	64,012	60,396	70,111	16.1	16.8
15 661 Lime, cement & construction materials	31,248	32,817	69,508	111.8	58.7
16 634 Veneers, plywood & particle board	59,635	57,867	65,957	14.0	14.5
17 542 Medicaments (incl veterinary)	59,891	74,744	62,445	-16.5	31.1
18 098 Edible products & preparations, nes	44,457	45,833	55,746	21.6	10.8
19 682 Copper	64,946	35,384	53,423	51.0	-1.7
20 844 Women's clothing, knitted	39,967	49,084	50,720	3.3	39.1
988 Confidential items of trade	120,988	155,838	143,790	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 42: AUSTRALIA'S MERCHANDISE TRADE WITH IRELAND (a)(b)**  
(A\$'000)

Rank Commodity	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Top merchandise exports</b>					
<b>Total merchandise exports</b>	<b>103,270</b>	<b>98,027</b>	<b>106,867</b>	<b>9.0</b>	<b>14.1</b>
1 542 Medicaments (incl veterinary)	56,918	46,449	50,815	9.4	26.2
2 112 Alcoholic beverages	15,438	15,171	8,851	-41.7	-0.1
3 752 Computers	1,335	658	4,831	634.7	37.6
4 872 Medical instruments (incl veterinary)	3,020	2,428	4,039	66.4	15.7
5 581 Plastic tubes, pipes & hoses	1,799	2,901	3,627	25.0	6.2
6 516 Other organic chemicals	318	1,929	2,770	43.6	..
7 759 Computer parts & accessories	340	2,276	2,409	5.9	35.4
8 772 Electrical circuits equipment	215	389	2,216	469.9	-6.5
9 012 Meat (excl beef), f.c.f.	54	742	2,210	197.9	-3.1
10 553 Perfumery & cosmetics (excl soap)	957	2,033	1,823	-10.3	17.4
11 061 Sugars, molasses & honey	3,004	2,447	1,558	-36.3	-7.3
12 874 Measuring & analysing instruments	1,093	612	1,477	141.2	3.4
13 778 Electrical machinery & parts, nes	654	767	1,099	43.3	3.8
14 764 Telecom equipment & parts	1,432	511	1,077	110.6	8.8
15 728 Specialised machinery & parts	1,127	689	1,043	51.4	14.1
16 747 Taps, cocks & valves	534	469	1,003	113.8	37.2
17 515 Organo-inorganic compounds	69	5,251	973	-81.5	..
18 892 Printed matter	1,224	1,439	952	-33.8	21.1
19 871 Optical instruments	8	53	887	..	..
20 821 Furniture, mattresses & cushions	310	109	836	668.2	..
988 Confidential items of trade	84	41	39	..	..
<b>Top merchandise imports</b>					
<b>Total merchandise imports</b>	<b>2,730,538</b>	<b>1,817,343</b>	<b>1,922,335</b>	<b>5.8</b>	<b>5.5</b>
1 542 Medicaments (incl veterinary)	1,399,419	609,824	540,301	-11.4	13.8
2 541 Pharm products (excl medicaments)	336,869	325,964	417,867	28.2	15.9
3 899 Misc manufactured articles, nes	292,672	272,821	240,734	-11.8	-1.1
4 752 Computers	149,418	121,266	206,090	69.9	6.6
5 872 Medical instruments (incl veterinary)	132,042	112,775	128,128	13.6	4.7
6 112 Alcoholic beverages	49,169	58,742	70,716	20.4	5.3
7 874 Measuring & analysing instruments	26,003	25,400	30,587	20.4	7.5
8 012 Meat (excl beef), f.c.f.	19,262	24,683	26,648	8.0	34.9
9 744 Mechanical handling equip & parts	21,817	19,595	25,021	27.7	-4.0
10 741 Heating & cooling equipment & parts	14,664	9,829	16,675	69.7	13.9
11 778 Electrical machinery & parts, nes	11,403	13,884	16,517	19.0	20.8
12 884 Optical goods, nes	17,512	16,000	15,895	-0.7	2.9
13 764 Telecom equipment & parts	11,785	7,525	13,384	77.9	9.5
14 553 Perfumery & cosmetics (excl soap)	19,974	11,228	12,392	10.4	-2.3
15 721 Agric machinery (excl tractors) & parts	6,496	10,468	10,583	1.1	35.7
16 728 Specialised machinery & parts	4,434	9,380	9,414	0.4	20.9
17 074 Tea & mate	10,177	6,938	7,707	11.1	-6.7
18 893 Plastic articles, nes	8,933	6,199	6,848	10.5	10.8
19 723 Civil engineering equipment & parts	3,623	4,137	6,723	62.5	-6.0
20 727 Food processing machines & parts	103	2,198	6,595	200.0	54.9
988 Confidential items of trade	37	17,383	172	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

for more information and a list of the commodities excluded.

(c) Mainly *Manganese and Zinc ores & concentrates*.

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 43: AUSTRALIA'S MERCHANDISE TRADE WITH ITALY (a)(b)**  
(A\$'000)

Rank	Commodity	2016	2017	2018	% growth	
					2017 to 2018	5 year trend
<b>Top merchandise exports</b>						
<b>Total merchandise exports</b>		<b>753,913</b>	<b>752,399</b>	<b>883,047</b>	<b>17.4</b>	<b>4.1</b>
1	268 Wool & other animal hair (incl tops)	162,406	227,901	254,510	11.7	13.6
2	321 Coal	157,465	103,239	168,114	62.8	6.2
3	041 Wheat	72,777	90,632	65,406	-27.8	3.0
4	011 Beef, f.c.f.	61,253	36,202	46,187	27.6	-2.4
5	611 Leather	37,471	33,046	37,527	13.6	-11.1
6	673 Uncoated flat-rolled iron & steel	17,920	14,917	28,274	89.5	..
7	057 Fruit & nuts	22,256	20,854	22,715	8.9	-9.4
8	792 Aircraft, spacecraft & parts	10,786	15,494	14,787	-4.6	25.2
9	211 Hides & skins, raw (excl furskins)	9,683	7,487	9,844	31.5	-18.7
10	874 Measuring & analysing instruments	6,720	6,348	8,668	36.5	1.0
11	277 Natural abrasives	137	3,829	8,002	109.0	8.7
12	784 Vehicle parts & accessories	6,798	6,327	7,801	23.3	39.5
13	034 Fish, f.c.f.	6,732	7,338	7,296	-0.6	37.6
14	752 Computers	1,151	3,663	6,827	86.3	83.5
15	421 Fixed vegetable oils & fats, soft	126	673	6,375	846.5	-19.4
16	112 Alcoholic beverages	19,318	15,834	6,113	-61.4	-0.6
17	513 Carboxylic acids & derivatives	3,477	5,720	5,818	1.7	-3.0
18	764 Telecom equipment & parts	4,326	6,714	5,737	-14.5	1.3
19	723 Civil engineering equipment & parts	628	619	5,418	774.6	12.9
20	897 Jewellery	3,011	5,498	5,156	-6.2	18.1
	988 Confidential items of trade	24,866	30,070	48,267	..	..
<b>Top merchandise imports</b>						
<b>Total merchandise imports</b>		<b>5,899,881</b>	<b>6,241,106</b>	<b>7,038,231</b>	<b>12.8</b>	<b>2.9</b>
1	542 Medicaments (incl veterinary)	336,670	326,838	376,216	15.1	-4.7
2	831 Travel goods, bags & like containers	181,928	232,099	322,404	38.9	28.8
3	781 Passenger motor vehicles	204,897	310,479	281,659	-9.3	14.9
4	741 Heating & cooling equipment & parts	191,885	197,922	227,319	14.9	6.2
5	792 Aircraft, spacecraft & parts	342,278	106,154	213,887	101.5	151.7
6	744 Mechanical handling equip & parts	165,471	177,484	204,580	15.3	9.3
7	728 Specialised machinery & parts	147,201	168,341	189,995	12.9	11.3
8	775 Household-type equipment, nes	151,862	168,348	189,677	12.7	7.5
9	723 Civil engineering equipment & parts	77,744	132,831	180,686	36.0	16.4
10	851 Footwear	135,383	147,613	175,379	18.8	11.8
11	821 Furniture, mattresses & cushions	143,773	150,186	169,168	12.6	8.5
12	745 Non-electrical machinery & parts	138,373	127,559	157,158	23.2	2.8
13	112 Alcoholic beverages	101,418	123,128	153,127	24.4	15.2
14	541 Pharm products (excl medicaments)	117,198	209,103	144,966	-30.7	9.0
15	897 Jewellery	139,255	130,924	141,535	8.1	9.8
16	056 Vegetables, prepared or preserved	122,958	124,271	138,171	11.2	4.8
17	553 Perfumery & cosmetics (excl soap)	87,697	110,411	132,108	19.7	15.6
18	747 Taps, cocks & valves	165,215	116,494	128,608	10.4	-6.1
19	662 Clay construction materials	100,221	104,914	108,372	3.3	10.7
20	048 Cereal preparations	82,969	89,674	107,737	20.1	8.6
	988 Confidential items of trade	66,630	96,646	75,816	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 44: AUSTRALIA'S MERCHANDISE TRADE WITH JAPAN (a)(b)**  
(A\$'000)

Rank Commodity	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Top merchandise exports</b>					
<b>Total merchandise exports</b>	<b>36,271,460</b>	<b>44,959,382</b>	<b>56,280,652</b>	<b>25.2</b>	<b>1.5</b>
1 321 Coal	11,875,076	16,500,562	19,006,262	15.2	7.7
2 343 Natural gas	9,453,000	12,186,000	18,712,000	53.6	1.6
3 281 Iron ores & concentrates	4,773,852	5,588,332	5,109,704	-8.6	-12.0
4 011 Beef, f.c.f.	1,809,672	1,991,074	2,269,267	14.0	8.4
5 283 Copper ores & concentrates	1,426,997	1,254,511	1,734,003	38.2	1.6
6 684 Aluminium	887,656	992,783	1,537,398	54.9	..
7 246 Wood in chips or particles	362,583	434,861	526,286	21.0	43.0
8 024 Cheese & curd	357,763	425,811	497,583	16.9	4.8
9 012 Meat (excl beef), f.c.f.	358,204	342,303	375,771	9.8	7.8
10 342 Liquefied propane & butane	168,393	285,057	354,380	24.3	-17.0
11 041 Wheat	280,077	317,030	350,690	10.6	-0.6
12 287 Other ores & concentrates (c)	324,659	346,459	338,845	-2.2	-2.9
13 061 Sugars, molasses & honey	345,803	442,746	332,781	-24.8	17.7
14 081 Animal feed	278,136	278,564	304,845	9.4	-2.0
15 043 Barley	274,967	235,942	268,446	13.8	4.7
16 333 Crude petroleum	233,619	157,285	186,196	18.4	..
17 522 Inorganic chemical elements	114,818	114,947	166,286	44.7	9.3
18 057 Fruit & nuts	122,258	137,129	165,456	20.7	27.2
19 872 Medical instruments (incl veterinary)	112,918	144,993	164,078	13.2	19.1
20 289 Precious metal ores & conc (excl gold)	107,681	119,958	153,827	28.2	-1.9
988 Confidential items of trade	827,735	783,736	1,652,761	..	..
<b>Top merchandise imports</b>					
<b>Total merchandise imports</b>	<b>19,637,685</b>	<b>21,110,993</b>	<b>22,777,603</b>	<b>7.9</b>	<b>4.4</b>
1 781 Passenger motor vehicles	6,915,364	7,608,630	8,260,419	8.6	5.5
2 334 Refined petroleum	2,535,166	2,812,484	3,131,736	11.4	-1.3
3 782 Goods vehicles	1,378,275	1,614,095	1,988,266	23.2	9.2
4 971 Gold	2,108,147	2,271,223	1,956,333	-13.9	53.5
5 723 Civil engineering equipment & parts	697,997	763,311	1,012,482	32.6	14.8
6 625 Rubber tyres, treads & tubes	538,019	607,124	680,946	12.2	0.8
7 784 Vehicle parts & accessories	449,287	421,544	337,950	-19.8	-0.7
8 751 Office machines	307,587	297,839	271,799	-8.7	-8.7
9 778 Electrical machinery & parts, nes	223,583	232,702	236,147	1.5	1.0
10 741 Heating & cooling equipment & parts	219,017	203,251	225,547	11.0	0.4
11 764 Telecom equipment & parts	169,902	193,055	211,834	9.7	2.7
12 713 Internal combustion piston engines	201,114	192,161	195,018	1.5	-1.3
13 783 Road motor vehicles, nes	142,391	170,465	193,788	13.7	8.5
14 744 Mechanical handling equip & parts	139,066	159,127	189,547	19.1	2.7
15 898 Musical instruments & parts	102,209	116,411	159,166	36.7	9.3
16 785 Motorcycles & cycles	171,963	163,573	154,101	-5.8	-2.3
17 679 Tubes & pipes of iron or steel	49,328	83,119	151,412	82.2	-40.1
18 743 Pumps (excl liquid pumps) & parts	125,926	131,241	138,714	5.7	-1.1
19 872 Medical instruments (incl veterinary)	120,431	114,963	133,290	15.9	5.0
20 884 Optical goods, nes	121,263	120,202	114,150	-5.0	8.5
988 Confidential items of trade	325,056	269,733	336,552	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

for more information and a list of the commodities excluded.

(c) Mainly *Manganese and Zinc ores & concentrates*.

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 45: AUSTRALIA'S MERCHANDISE TRADE WITH MALAYSIA (a)(b)**  
(A\$'000)

Rank Commodity	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Top merchandise exports</b>					
<b>Total merchandise exports</b>	<b>5,491,391</b>	<b>5,963,563</b>	<b>7,492,785</b>	<b>25.6</b>	<b>4.0</b>
1 321 Coal	567,327	716,424	1,060,648	48.0	21.7
2 333 Crude petroleum	469,644	394,525	959,513	143.2	..
3 682 Copper	574,028	820,736	904,253	10.2	6.9
4 343 Natural gas	130,000	256,000	542,000	111.7	..
5 793 Ships, boats & floating structures	83	591	251,778	..	5.4
6 792 Aircraft, spacecraft & parts	62,961	175,868	242,498	37.9	75.8
7 041 Wheat	250,227	263,386	216,173	-17.9	-4.0
8 012 Meat (excl beef), f.c.f.	136,601	160,617	173,601	8.1	9.9
9 281 Iron ores & concentrates	0	0	167,688	..	..
10 283 Copper ores & concentrates	13,075	61,441	134,108	118.3	..
11 287 Other ores & concentrates (c)	112,016	117,045	106,284	-9.2	-3.9
12 684 Aluminium	94,183	90,353	96,393	6.7	-16.9
13 686 Zinc	48,918	63,693	83,682	31.4	14.7
14 011 Beef, f.c.f.	72,738	77,395	82,349	6.4	2.5
15 022 Milk, cream, whey & yoghurt	85,277	84,768	81,168	-4.2	-2.6
16 112 Alcoholic beverages	61,382	57,265	62,103	8.4	15.9
17 098 Edible products & preparations, nes	34,831	45,481	60,144	32.2	-3.6
18 334 Refined petroleum	75,697	11,876	59,360	399.8	-28.6
19 061 Sugars, molasses & honey	133,778	48,319	54,740	13.3	-19.1
20 024 Cheese & curd	48,185	49,586	47,194	-4.8	4.9
988 Confidential items of trade	1,188,043	1,225,799	851,589	..	..
<b>Top merchandise imports</b>					
<b>Total merchandise imports</b>	<b>9,315,260</b>	<b>11,187,724</b>	<b>13,033,665</b>	<b>16.5</b>	<b>4.3</b>
1 333 Crude petroleum	2,431,627	3,146,420	4,681,073	48.8	-1.6
2 334 Refined petroleum	1,323,275	2,212,922	1,792,187	-19.0	40.7
3 752 Computers	493,417	531,942	714,349	34.3	7.4
4 764 Telecom equipment & parts	373,708	374,569	384,421	2.6	3.5
5 775 Household-type equipment, nes	260,269	297,578	315,194	5.9	18.0
6 761 Monitors, projectors & TVs	226,549	247,043	261,336	5.8	-13.5
7 776 Electronic integrated circuits	142,785	300,306	233,882	-22.1	9.4
8 821 Furniture, mattresses & cushions	217,032	194,043	204,195	5.2	1.9
9 582 Plastic plates, sheets & film	169,240	175,033	200,434	14.5	6.9
10 893 Plastic articles, nes	169,608	171,215	187,373	9.4	10.4
11 422 Fixed vegetable oils & fats, hard	138,170	168,709	155,001	-8.1	8.4
12 872 Medical instruments (incl veterinary)	132,364	144,603	149,138	3.1	33.2
13 682 Copper	111,171	156,523	148,599	-5.1	10.1
14 741 Heating & cooling equipment & parts	182,711	116,438	141,328	21.4	3.9
15 691 Iron, steel, aluminium structures	66,266	62,853	124,196	97.6	0.3
16 562 Fertilisers (excl crude)	37,636	96,432	119,893	24.3	22.4
17 848 Clothing accessories, nes	93,076	95,719	118,495	23.8	6.8
18 747 Taps, cocks & valves	125,596	94,506	109,673	16.0	11.3
19 728 Specialised machinery & parts	106,053	79,748	101,142	26.8	4.0
20 421 Fixed vegetable oils & fats, soft	86,826	92,582	84,160	-9.1	7.8
988 Confidential items of trade	104,930	174,603	125,421	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

for more information and a list of the commodities excluded.

(c) Mainly *Manganese and Zinc ores & concentrates*.

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 46: AUSTRALIA'S MERCHANDISE TRADE WITH NETHERLANDS (a)(b)**  
(A\$'000)

Rank Commodity	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Top merchandise exports</b>					
<b>Total merchandise exports</b>	<b>2,646,775</b>	<b>3,091,772</b>	<b>3,631,346</b>	<b>17.5</b>	<b>10.1</b>
1 321 Coal	1,457,600	1,729,247	1,879,851	8.7	17.0
2 872 Medical instruments (incl veterinary)	257,704	240,545	295,668	22.9	15.0
3 689 Other non-ferrous metals	0	49,118	150,245	205.9	..
4 011 Beef, f.c.f.	84,032	102,030	91,987	-9.8	22.0
5 222 Oil-seeds & oleaginous fruits, soft	111,425	40,927	71,403	74.5	-17.6
6 112 Alcoholic beverages	58,609	71,445	71,277	-0.2	-3.1
7 081 Animal feed	50,845	60,501	68,793	13.7	32.9
8 792 Aircraft, spacecraft & parts	22,295	51,812	60,260	16.3	50.5
9 533 Pigments, paints & varnishes	20,088	35,588	45,450	27.7	49.1
10 541 Pharm products (excl medicaments)	21,418	25,035	36,440	45.6	23.7
11 288 Non-ferrous waste & scrap	7,044	13,303	35,778	169.0	78.1
12 553 Perfumery & cosmetics (excl soap)	8,323	11,082	35,611	221.3	74.3
13 012 Meat (excl beef), f.c.f.	12,646	35,301	31,910	-9.6	36.0
14 281 Iron ores & concentrates	0	0	29,987	..	..
15 764 Telecom equipment & parts	19,659	27,035	26,472	-2.1	10.3
16 771 Electric power machinery & parts	7,304	7,067	25,766	264.6	82.9
17 292 Crude vegetable matter, nes	31,115	24,768	24,070	-2.8	1.9
18 057 Fruit & nuts	27,747	27,211	20,720	-23.9	-0.7
19 874 Measuring & analysing instruments	8,990	17,598	19,685	11.9	14.3
20 277 Natural abrasives	11,798	17,063	16,311	-4.4	..
988 Confidential items of trade	133,982	239,061	297,650	..	..
<b>Top merchandise imports</b>					
<b>Total merchandise imports</b>	<b>2,264,199</b>	<b>2,328,481</b>	<b>3,024,160</b>	<b>29.9</b>	<b>9.7</b>
1 334 Refined petroleum	3,666	4,440	431,351	..	98.7
2 542 Medicaments (incl veterinary)	173,921	209,219	147,390	-29.6	1.6
3 071 Coffee & substitutes	115,205	131,350	132,312	0.7	14.4
4 783 Road motor vehicles, nes	95,805	93,283	131,784	41.3	..
5 782 Goods vehicles	22,168	41,956	111,251	165.2	63.7
6 098 Edible products & preparations, nes	75,875	79,751	110,808	38.9	26.6
7 541 Pharm products (excl medicaments)	214,693	95,735	102,327	6.9	-1.5
8 012 Meat (excl beef), f.c.f.	48,498	100,354	95,318	-5.0	15.7
9 744 Mechanical handling equip & parts	76,725	50,163	79,805	59.1	-6.5
10 122 Tobacco, manufactured	82,552	72,255	53,674	-25.7	3.1
11 874 Measuring & analysing instruments	42,361	43,370	53,324	23.0	4.2
12 056 Vegetables, prepared or preserved	36,946	46,668	48,267	3.4	12.2
13 721 Agric machinery (excl tractors) & parts	42,259	44,743	48,215	7.8	12.2
14 112 Alcoholic beverages	50,592	36,520	46,671	27.8	2.0
15 723 Civil engineering equipment & parts	9,597	15,707	45,581	190.2	11.5
16 048 Cereal preparations	29,544	36,548	43,556	19.2	14.5
17 764 Telecom equipment & parts	27,433	36,158	42,977	18.9	13.1
18 727 Food processing machines & parts	40,226	37,944	42,045	10.8	14.1
19 728 Specialised machinery & parts	30,609	38,238	41,037	7.3	16.0
20 893 Plastic articles, nes	27,778	33,059	39,644	19.9	11.1
988 Confidential items of trade	10,261	56,957	11,097	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 47: AUSTRALIA'S MERCHANDISE TRADE WITH NEW ZEALAND (a)(b)**  
(A\$'000)

Rank	Commodity	2016	2017	2018	% growth	
					2017 to 2018	5 year trend
<b>Top merchandise exports</b>						
<b>Total merchandise exports</b>		<b>8,739,128</b>	<b>9,100,802</b>	<b>9,681,696</b>	<b>6.4</b>	<b>5.0</b>
1	285 Aluminium ores & conc (incl alumina)	205,220	264,733	393,105	48.5	..
2	542 Medicaments (incl veterinary)	272,983	285,965	311,116	8.8	5.0
3	764 Telecom equipment & parts	215,867	232,884	309,812	33.0	22.6
4	752 Computers	221,102	321,203	304,229	-5.3	13.3
5	872 Medical instruments (incl veterinary)	305,262	331,117	299,115	-9.7	11.1
6	553 Perfumery & cosmetics (excl soap)	202,273	232,646	265,145	14.0	13.7
7	098 Edible products & preparations, nes	248,769	226,900	262,419	15.7	3.4
8	641 Paper & paperboard	211,839	189,009	214,741	13.6	5.1
9	041 Wheat	130,566	160,960	184,383	14.6	0.8
10	048 Cereal preparations	150,459	172,758	181,563	5.1	5.2
11	784 Vehicle parts & accessories	142,995	157,053	175,072	11.5	11.6
12	112 Alcoholic beverages	123,623	137,762	159,950	16.1	8.1
13	892 Printed matter	183,026	153,262	149,047	-2.8	-0.2
14	894 Prams, toys, games & sporting goods	106,027	108,449	142,597	31.5	12.2
15	081 Animal feed	129,955	149,815	138,633	-7.5	-1.8
16	893 Plastic articles, nes	124,217	130,500	133,814	2.5	6.0
17	899 Misc manufactured articles, nes	90,307	122,562	130,393	6.4	16.9
18	073 Chocolate & preparations of cocoa	136,632	126,510	121,712	-3.8	3.5
19	699 Manufactures of base metal, nes	112,105	121,116	121,466	0.3	4.3
20	792 Aircraft, spacecraft & parts	81,704	82,128	120,824	47.1	16.9
	988 Confidential items of trade	167,461	167,230	194,008	..	..
<b>Top merchandise imports</b>						
<b>Total merchandise imports</b>		<b>7,585,166</b>	<b>7,813,624</b>	<b>7,886,521</b>	<b>0.9</b>	<b>0.7</b>
1	098 Edible products & preparations, nes	820,500	785,935	906,827	15.4	21.5
2	333 Crude petroleum	578,468	541,076	635,561	17.5	-17.3
3	971 Gold	538,920	541,083	569,462	5.2	-1.4
4	122 Tobacco, manufactured	561,216	507,354	458,855	-9.6	11.6
5	112 Alcoholic beverages	393,546	382,709	378,060	-1.2	-0.2
6	024 Cheese & curd	267,186	311,448	258,830	-16.9	9.3
7	023 Butter	116,002	195,435	255,308	30.6	29.5
8	248 Wood, simply worked	192,735	183,240	181,552	-0.9	-2.0
9	022 Milk, cream, whey & yoghurt	81,058	168,302	176,896	5.1	14.9
10	048 Cereal preparations	175,322	176,403	166,301	-5.7	-0.1
11	034 Fish, f.c.f.	150,940	148,967	147,909	-0.7	1.1
12	057 Fruit & nuts	180,303	166,805	147,438	-11.6	6.3
13	893 Plastic articles, nes	142,442	141,536	147,309	4.1	-1.2
14	111 Non-alcoholic beverages, nes	95,343	118,489	123,550	4.3	6.0
15	542 Medicaments (incl veterinary)	106,739	98,599	121,679	23.4	1.5
16	056 Vegetables, prepared or preserved	109,947	114,265	116,360	1.8	0.2
17	741 Heating & cooling equipment & parts	107,222	118,541	115,190	-2.8	2.5
18	641 Paper & paperboard	137,860	125,942	105,375	-16.3	0.2
19	017 Meat, prepared or preserved	103,372	99,719	104,175	4.5	6.6
20	251 Pulp & waste paper	81,003	83,958	94,353	12.4	7.7
	988 Confidential items of trade	81,829	185,647	52,818	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 48: AUSTRALIA'S MERCHANDISE TRADE WITH PAPUA NEW GUINEA (a)(b)**  
(A\$'000)

Rank Commodity	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Top merchandise exports</b>					
<b>Total merchandise exports</b>	<b>1,720,078</b>	<b>1,745,715</b>	<b>2,178,707</b>	<b>24.8</b>	<b>-3.9</b>
1 333 Crude petroleum	150,601	75,870	237,425	212.9	-19.3
2 723 Civil engineering equipment & parts	105,971	81,517	123,251	51.2	-7.3
3 012 Meat (excl beef), f.c.f.	106,092	114,499	115,207	0.6	4.1
4 041 Wheat	87,313	56,623	72,068	27.3	3.3
5 728 Specialised machinery & parts	53,953	61,296	54,734	-10.7	-0.7
6 742 Pumps for liquids & parts	38,752	48,910	54,091	10.6	12.5
7 699 Manufactures of base metal, nes	35,975	45,690	52,466	14.8	15.0
8 744 Mechanical handling equip & parts	52,172	34,598	50,147	44.9	-0.6
9 784 Vehicle parts & accessories	35,940	52,271	45,189	-13.5	-5.0
10 747 Taps, cocks & valves	35,302	34,849	34,328	-1.5	8.9
11 081 Animal feed	26,683	26,383	27,914	5.8	-4.7
12 772 Electrical circuits equipment	25,513	24,025	27,579	14.8	-10.9
13 874 Measuring & analysing instruments	21,932	24,481	27,517	12.4	4.4
14 713 Internal combustion piston engines	17,240	27,179	27,470	1.1	-4.0
15 764 Telecom equipment & parts	11,920	14,833	24,906	67.9	2.1
16 752 Computers	24,422	24,293	24,259	-0.1	7.7
17 098 Edible products & preparations, nes	23,449	23,162	23,721	2.4	5.1
18 748 Transmission shafts & parts	23,457	25,028	23,553	-5.9	12.7
19 718 Power generating machinery & parts	41,552	15,286	21,391	39.9	-20.0
20 716 Rotating electric plant & parts	10,732	15,227	21,128	38.8	-1.9
988 Confidential items of trade	26,471	36,193	186,429	..	..
<b>Top merchandise imports</b>					
<b>Total merchandise imports</b>	<b>3,556,673</b>	<b>3,335,726</b>	<b>3,590,830</b>	<b>7.6</b>	<b>2.3</b>
1 971 Gold	2,565,998	2,661,523	2,881,638	8.3	9.7
2 333 Crude petroleum	559,130	522,702	539,764	3.3	-9.2
3 681 Silver & platinum	319,758	57,126	46,523	-18.6	-34.6
4 071 Coffee & substitutes	37,613	37,917	33,180	-12.5	4.6
5 334 Refined petroleum	27,564	14,620	20,750	41.9	78.6
6 075 Spices	3,136	4,314	8,035	86.2	45.8
7 634 Veneers, plywood & particle board	7,281	6,963	6,450	-7.4	-1.2
8 081 Animal feed	7,358	5,491	4,923	-10.3	4.6
9 288 Non-ferrous waste & scrap	2,489	3,162	4,181	32.2	3.8
10 248 Wood, simply worked	2,481	1,533	3,282	114.0	2.5
11 036 Crustaceans, f.c.f.	4,915	2,886	3,046	5.5	3.7
12 714 Non-electric engines & motors	595	1,443	2,064	43.1	35.1
13 723 Civil engineering equipment & parts	1,837	1,079	1,733	60.6	-19.0
14 793 Ships, boats & floating structures	1,088	1,145	1,487	29.9	13.2
15 713 Internal combustion piston engines	1,382	1,258	1,278	1.6	-2.7
16 874 Measuring & analysing instruments	674	587	914	55.6	-0.9
17 691 Iron, steel, aluminium structures	47	23	816	..	74.9
18 742 Pumps for liquids & parts	515	636	775	22.0	20.7
19 896 Artwork & antiques	941	343	756	120.5	6.5
20 792 Aircraft, spacecraft & parts	1,286	963	698	-27.5	106.4
988 Confidential items of trade	0	52	19,001	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 49: AUSTRALIA'S MERCHANDISE TRADE WITH PHILIPPINES (a)(b)**  
(A\$'000)

Rank Commodity	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Top merchandise exports</b>					
<b>Total merchandise exports</b>	<b>1,940,978</b>	<b>2,329,529</b>	<b>2,193,201</b>	<b>-5.9</b>	<b>10.5</b>
1 041 Wheat	295,350	484,570	436,500	-9.9	33.6
2 289 Precious metal ores & conc (excl gold)	332,398	412,548	296,185	-28.2	7.8
3 283 Copper ores & concentrates	393,008	309,362	235,804	-23.8	9.4
4 321 Coal	126,029	192,022	187,497	-2.4	74.9
5 011 Beef, f.c.f.	130,054	161,671	180,206	11.5	10.2
6 533 Pigments, paints & varnishes	31,628	42,612	58,739	37.8	4.1
7 022 Milk, cream, whey & yoghurt	43,619	40,887	47,096	15.2	-8.0
8 048 Cereal preparations	33,639	37,871	41,916	10.7	6.5
9 024 Cheese & curd	27,213	31,546	40,010	26.8	19.4
10 685 Lead	1,310	4,743	38,838	718.9	177.5
11 894 Prams, toys, games & sporting goods	20,701	28,602	29,630	3.6	10.0
12 012 Meat (excl beef), f.c.f.	19,722	21,982	27,288	24.1	2.0
13 057 Fruit & nuts	22,732	20,111	26,826	33.4	72.4
14 081 Animal feed	21,970	24,978	24,997	0.1	12.6
15 641 Paper & paperboard	25,261	33,160	24,560	-25.9	-4.1
16 764 Telecom equipment & parts	3,116	3,364	20,918	521.9	42.3
17 098 Edible products & preparations, nes	22,396	23,373	20,073	-14.1	-3.7
18 542 Medicaments (incl veterinary)	28,572	40,908	16,003	-60.9	-24.6
19 054 Vegetables, f.c.f.	8,229	11,395	14,816	30.0	15.9
20 686 Zinc	7,647	14,025	13,655	-2.6	66.7
988 Confidential items of trade	39,068	44,429	72,758	..	..
<b>Top merchandise imports</b>					
<b>Total merchandise imports</b>	<b>777,657</b>	<b>677,574</b>	<b>716,881</b>	<b>5.8</b>	<b>-4.9</b>
1 971 Gold	66,986	80,913	76,461	-5.5	46.6
2 778 Electrical machinery & parts, nes	81,436	71,462	67,417	-5.7	5.6
3 771 Electric power machinery & parts	38,151	39,524	46,760	18.3	18.3
4 775 Household-type equipment, nes	495	10,238	33,541	227.6	199.5
5 776 Electronic integrated circuits	24,247	17,902	30,009	67.6	4.9
6 751 Office machines	15,467	19,470	26,013	33.6	35.8
7 057 Fruit & nuts	22,145	27,365	25,937	-5.2	12.6
8 752 Computers	17,851	29,268	25,561	-12.7	-7.9
9 772 Electrical circuits equipment	11,568	18,713	19,420	3.8	27.9
10 058 Fruit, prepared or preserved	17,489	16,733	18,479	10.4	17.7
11 761 Monitors, projectors & TVs	32,809	30,255	17,553	-42.0	-2.5
12 699 Manufactures of base metal, nes	12,475	12,355	13,792	11.6	13.0
13 894 Prams, toys, games & sporting goods	7,606	11,202	13,401	19.6	9.9
14 533 Pigments, paints & varnishes	9,968	13,928	12,906	-7.3	107.3
15 593 Explosives & pyrotechnics	15,657	15,608	12,719	-18.5	12.5
16 098 Edible products & preparations, nes	14,225	11,612	12,656	9.0	9.4
17 553 Perfumery & cosmetics (excl soap)	13,663	13,574	12,344	-9.1	5.9
18 764 Telecom equipment & parts	7,097	11,876	11,722	-1.3	-2.7
19 898 Musical instruments & parts	3,240	3,792	10,641	180.6	71.1
20 831 Travel goods, bags & like containers	5,702	6,872	9,934	44.6	18.7
988 Confidential items of trade	19,625	10,400	3,255	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

for more information and a list of the commodities excluded.

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 50: AUSTRALIA'S MERCHANDISE TRADE WITH REPUBLIC OF KOREA (a)(b)**  
(A\$'000)

Rank Commodity	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Top merchandise exports</b>					
<b>Total merchandise exports</b>	<b>18,232,603</b>	<b>21,235,782</b>	<b>24,436,057</b>	<b>15.1</b>	<b>3.6</b>
1 321 Coal	4,812,873	6,882,526	7,349,584	6.8	8.1
2 343 Natural gas	1,819,000	2,893,000	4,605,000	59.2	64.6
3 281 Iron ores & concentrates	3,284,766	3,858,244	3,813,443	-1.2	-7.6
4 011 Beef, f.c.f.	1,359,189	1,098,894	1,373,519	25.0	10.0
5 287 Other ores & concentrates (c)	651,812	740,277	921,533	24.5	2.2
6 684 Aluminium	1,011,731	624,917	860,098	37.6	1.6
7 333 Crude petroleum	542,507	612,358	791,337	29.2	..
8 061 Sugars, molasses & honey	820,880	965,483	520,039	-46.1	14.9
9 283 Copper ores & concentrates	449,998	268,765	427,414	59.0	-7.1
10 289 Precious metal ores & conc (excl gold)	447,269	549,024	367,868	-33.0	5.9
11 288 Non-ferrous waste & scrap	154,247	237,551	365,583	53.9	19.1
12 041 Wheat	346,042	307,273	341,211	11.0	-0.1
13 012 Meat (excl beef), f.c.f.	213,449	262,529	305,163	16.2	25.4
14 081 Animal feed	132,066	162,534	185,160	13.9	8.3
15 971 Gold	215,431	184,256	157,952	-14.3	-3.9
16 682 Copper	85,549	12,714	138,629	990.4	76.2
17 268 Wool & other animal hair (incl tops)	119,666	105,383	125,287	18.9	17.3
18 048 Cereal preparations	67,027	76,259	65,502	-14.1	-6.5
19 533 Pigments, paints & varnishes	74,064	84,584	62,094	-26.6	31.1
20 098 Edible products & preparations, nes	37,104	33,134	58,287	75.9	13.3
988 Confidential items of trade	511,549	162,093	621,045	..	..
<b>Top merchandise imports</b>					
<b>Total merchandise imports</b>	<b>10,971,984</b>	<b>30,851,641</b>	<b>13,424,043</b>	<b>-56.5</b>	<b>10.7</b>
1 334 Refined petroleum	3,901,118	5,630,890	6,135,897	9.0	9.3
2 781 Passenger motor vehicles	2,544,905	2,901,905	2,726,530	-6.0	8.8
3 778 Electrical machinery & parts, nes	198,772	232,518	244,855	5.3	9.8
4 335 Residual petroleum products, nes	84,706	156,501	201,557	28.8	13.2
5 723 Civil engineering equipment & parts	107,184	133,879	182,963	36.7	-0.5
6 776 Electronic integrated circuits	77,291	99,070	171,615	73.2	29.6
7 761 Monitors, projectors & TVs	223,786	218,475	165,068	-24.4	1.0
8 684 Aluminium	86,573	139,667	157,865	13.0	48.0
9 682 Copper	92,439	115,688	147,000	27.1	12.5
10 775 Household-type equipment, nes	153,401	137,170	141,161	2.9	7.1
11 764 Telecom equipment & parts	81,594	126,961	132,262	4.2	-4.0
12 773 Electrical distributing equipment	60,157	80,080	100,999	26.1	1.9
13 625 Rubber tyres, treads & tubes	100,778	95,272	97,974	2.8	-3.4
14 782 Goods vehicles	126,213	112,572	92,473	-17.9	3.2
15 893 Plastic articles, nes	67,754	90,517	92,329	2.0	26.5
16 575 Other primary plastics	54,634	74,434	85,863	15.4	8.9
17 784 Vehicle parts & accessories	159,996	90,654	73,098	-19.4	-19.7
18 686 Zinc	32,629	58,118	56,823	-2.2	58.6
19 553 Perfumery & cosmetics (excl soap)	29,429	34,938	55,311	58.3	39.3
20 641 Paper & paperboard	140,935	84,747	53,926	-36.4	-6.0
988 Confidential items of trade	378,366	487,131	653,295	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

for more information and a list of the commodities excluded.

(c) Mainly *Manganese and Zinc ores & concentrates*. (d) For 2016-17 & 2017-18, includes DFAT estimates for the import of LNG floating platforms.

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 51: AUSTRALIA'S MERCHANDISE TRADE WITH SINGAPORE (a)(b)**  
(A\$'000)

Rank	Commodity	2016	2017	2018	% growth	
					2017 to 2018	5 year trend
<b>Top merchandise exports</b>						
<b>Total merchandise exports</b>		<b>5,500,350</b>	<b>6,627,888</b>	<b>9,836,597</b>	<b>48.4</b>	<b>5.4</b>
1	343 Natural gas	468,000	1,340,002	2,709,000	102.2	..
2	333 Crude petroleum	836,021	649,475	1,604,743	147.1	-5.6
3	971 Gold	691,852	864,826	1,157,358	33.8	-10.2
4	334 Refined petroleum	300,817	410,439	587,610	43.2	-2.0
5	411 Animal oils & fats	335,113	244,917	246,205	0.5	-1.7
6	012 Meat (excl beef), f.c.f.	161,412	169,138	179,558	6.2	12.3
7	792 Aircraft, spacecraft & parts	173,437	184,881	173,050	-6.4	-4.4
8	793 Ships, boats & floating structures	10,673	59,198	166,171	180.7	60.1
9	022 Milk, cream, whey & yoghurt	131,964	132,268	128,410	-2.9	-6.9
10	897 Jewellery	70,109	116,483	114,983	-1.3	36.0
11	112 Alcoholic beverages	75,192	83,799	110,696	32.1	16.1
12	281 Iron ores & concentrates	15,242	53,625	103,868	93.7	..
13	764 Telecom equipment & parts	69,677	79,091	100,598	27.2	1.3
14	874 Measuring & analysing instruments	66,451	62,072	90,095	45.1	2.8
15	011 Beef, f.c.f.	79,713	81,225	88,415	8.9	1.8
16	057 Fruit & nuts	80,364	67,632	77,404	14.4	9.9
17	061 Sugars, molasses & honey	70,971	83,158	64,309	-22.7	-0.1
18	667 Pearls & gems	51,773	40,595	64,254	58.3	15.1
19	342 Liquefied propane & butane	85,405	101,278	62,108	-38.7	-4.3
20	752 Computers	55,847	39,481	59,411	50.5	11.4
	988 Confidential items of trade	297,397	565,719	610,337	..	..
<b>Top merchandise imports</b>						
<b>Total merchandise imports</b>		<b>7,130,538</b>	<b>8,274,902</b>	<b>11,574,635</b>	<b>39.9</b>	<b>-5.8</b>
1	334 Refined petroleum	3,718,537	4,871,138	8,192,784	68.2	-5.9
2	752 Computers	399,534	400,736	362,530	-9.5	3.1
3	098 Edible products & preparations, nes	596,670	395,382	266,392	-32.6	-15.3
4	551 Essential oils & perfumes	31,699	70,305	131,157	86.6	37.0
5	072 Cocoa	119,473	133,142	125,187	-6.0	14.0
6	542 Medicaments (incl veterinary)	46,814	93,696	124,060	32.4	-21.3
7	597 Prepared additives for mineral oils	84,895	101,092	111,275	10.1	2.4
8	335 Residual petroleum products, nes	47,720	69,195	110,528	59.7	-16.7
9	874 Measuring & analysing instruments	74,318	70,903	97,911	38.1	0.8
10	872 Medical instruments (incl veterinary)	54,059	58,040	94,280	62.4	11.5
11	122 Tobacco, manufactured	106,452	88,523	91,545	3.4	26.9
12	899 Misc manufactured articles, nes	69,578	89,474	75,069	-16.1	6.1
13	676 Iron & steel bars & rods	7,026	38,753	74,861	93.2	4.8
14	892 Printed matter	55,778	74,783	73,242	-2.1	-2.2
15	764 Telecom equipment & parts	86,937	66,816	71,886	7.6	-8.4
16	778 Electrical machinery & parts, nes	45,580	51,000	56,402	10.6	5.1
17	898 Musical instruments & parts	109,434	69,080	55,100	-20.2	-23.6
18	776 Electronic integrated circuits	46,411	68,037	54,335	-20.1	0.1
19	728 Specialised machinery & parts	25,213	53,164	42,447	-20.2	-7.0
20	598 Miscellaneous chemical products, nes	33,523	32,895	41,986	27.6	-24.5
	988 Confidential items of trade	278,161	213,026	249,040	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 52: AUSTRALIA'S MERCHANDISE TRADE WITH SPAIN (a)(b)**  
(A\$'000)

Rank Commodity	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Top merchandise exports</b>					
<b>Total merchandise exports</b>	<b>571,298</b>	<b>691,267</b>	<b>913,081</b>	<b>32.1</b>	<b>12.7</b>
1 321 Coal	204,450	223,807	339,712	51.8	15.9
2 287 Other ores & concentrates (c)	92,382	171,416	202,177	17.9	16.3
3 057 Fruit & nuts	81,345	49,536	26,916	-45.7	1.4
4 776 Electronic integrated circuits	16,406	16,435	16,404	-0.2	0.6
5 288 Non-ferrous waste & scrap	5,788	5,426	16,271	199.9	156.1
6 764 Telecom equipment & parts	5,754	8,231	15,503	88.3	59.1
7 874 Measuring & analysing instruments	4,063	5,383	14,744	173.9	36.6
8 728 Specialised machinery & parts	4,632	3,681	8,250	124.1	20.2
9 684 Aluminium	0	1,487	7,149	380.9	..
10 792 Aircraft, spacecraft & parts	8,796	8,954	6,632	-25.9	-13.0
11 752 Computers	1,967	4,329	6,136	41.7	73.1
12 112 Alcoholic beverages	3,486	5,633	6,035	7.1	57.0
13 772 Electrical circuits equipment	2,269	2,819	5,291	87.7	33.8
14 778 Electrical machinery & parts, nes	3,873	1,530	5,290	245.7	-7.7
15 699 Manufactures of base metal, nes	700	821	5,257	540.4	19.3
16 283 Copper ores & concentrates	0	0	4,331	..	..
17 747 Taps, cocks & valves	335	546	2,955	440.9	19.9
18 211 Hides & skins, raw (excl furskins)	1,643	1,434	2,507	74.8	12.1
19 054 Vegetables, f.c.f.	1,422	1,177	2,491	111.6	9.5
20 744 Mechanical handling equip & parts	1,357	101	2,487	..	60.8
988 Confidential items of trade	67,512	104,253	162,689	..	..
<b>Top merchandise imports</b>					
<b>Total merchandise imports</b>	<b>2,091,777</b>	<b>2,188,652</b>	<b>2,567,684</b>	<b>17.3</b>	<b>-2.8</b>
1 782 Goods vehicles	61,499	86,064	251,412	192.1	-16.2
2 781 Passenger motor vehicles	331,280	336,029	244,668	-27.2	0.6
3 542 Medicaments (incl veterinary)	219,813	237,549	213,544	-10.1	-14.8
4 421 Fixed vegetable oils & fats, soft	115,267	119,919	144,546	20.5	13.4
5 625 Rubber tyres, treads & tubes	82,756	122,388	127,856	4.5	3.9
6 791 Railway vehicles (incl hovertrains)	150	14,798	95,287	543.9	21.5
7 718 Power generating machinery & parts	2,382	20,338	82,432	305.3	115.5
8 541 Pharm products (excl medicaments)	84,060	92,782	76,070	-18.0	2.6
9 716 Rotating electric plant & parts	14,935	46,753	67,069	43.5	24.7
10 744 Mechanical handling equip & parts	50,442	45,296	54,291	19.9	0.4
11 553 Perfumery & cosmetics (excl soap)	32,158	40,135	52,276	30.3	9.9
12 662 Clay construction materials	38,993	41,176	46,948	14.0	19.0
13 771 Electric power machinery & parts	5,575	31,303	42,632	36.2	59.1
14 772 Electrical circuits equipment	12,993	21,645	40,128	85.4	8.7
15 663 Mineral manufactures, nes	29,020	30,151	35,101	16.4	34.4
16 743 Pumps (excl liquid pumps) & parts	20,354	24,828	35,042	41.1	11.8
17 851 Footwear	32,615	30,512	34,124	11.8	6.6
18 112 Alcoholic beverages	22,336	27,273	32,753	20.1	9.7
19 784 Vehicle parts & accessories	30,871	31,307	31,158	-0.5	10.7
20 831 Travel goods, bags & like containers	21,404	23,978	30,030	25.2	22.3
988 Confidential items of trade	8,606	21,261	19,960	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

for more information and a list of the commodities excluded.

(c) Mainly *Manganese and Zinc ores & concentrates*.

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 53: AUSTRALIA'S MERCHANDISE TRADE WITH SWITZERLAND (a)(b)**  
(A\$'000)

Rank Commodity	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Top merchandise exports</b>					
<b>Total merchandise exports</b>	<b>1,076,664</b>	<b>1,439,785</b>	<b>1,172,096</b>	<b>-18.6</b>	<b>15.4</b>
1 971 Gold	844,475	1,190,337	878,852	-26.2	37.1
2 542 Medicaments (incl veterinary)	8,842	16,457	51,306	211.8	99.5
3 012 Meat (excl beef), f.c.f.	49,675	47,185	41,349	-12.4	4.2
4 667 Pearls & gems	10,852	10,144	28,096	177.0	17.6
5 011 Beef, f.c.f.	27,614	25,114	22,955	-8.6	-6.2
6 281 Iron ores & concentrates	0	0	14,250	..	..
7 951 Gold coin & legal tender coin	27,445	15,328	13,543	-11.6	218.6
8 541 Pharm products (excl medicaments)	1,735	8,265	13,472	63.0	9.3
9 899 Misc manufactured articles, nes	12,563	7,379	12,543	70.0	29.0
10 897 Jewellery	19,989	31,708	12,464	-60.7	-27.7
11 885 Watches & clocks	13,107	10,121	8,780	-13.2	-12.5
12 792 Aircraft, spacecraft & parts	5,016	7,275	8,041	10.5	-15.6
13 681 Silver & platinum	1,000	5,337	6,390	19.7	-59.3
14 891 Arms & ammunition	4,575	5,104	5,770	13.1	186.1
15 896 Artwork & antiques	1,725	2,043	4,720	131.0	12.4
16 872 Medical instruments (incl veterinary)	4,337	3,895	4,453	14.3	2.2
17 874 Measuring & analysing instruments	4,327	4,721	3,903	-17.3	-5.9
18 551 Essential oils & perfumes	4,345	3,931	3,355	-14.6	10.9
19 057 Fruit & nuts	2,798	3,420	2,988	-12.6	0.8
20 112 Alcoholic beverages	1,045	1,901	2,902	52.7	3.7
988 Confidential items of trade	3,385	4	94	..	..
<b>Top merchandise imports</b>					
<b>Total merchandise imports</b>	<b>3,169,909</b>	<b>3,037,467</b>	<b>3,627,982</b>	<b>19.4</b>	<b>3.3</b>
1 542 Medicaments (incl veterinary)	725,839	752,533	699,782	-7.0	1.3
2 885 Watches & clocks	457,548	432,074	484,522	12.1	6.7
3 971 Gold	208,022	64,892	374,136	476.6	-17.9
4 541 Pharm products (excl medicaments)	275,804	252,294	315,202	24.9	24.2
5 899 Misc manufactured articles, nes	316,031	266,479	267,967	0.6	-0.8
6 792 Aircraft, spacecraft & parts	26,922	131,978	225,054	70.5	275.6
7 071 Coffee & substitutes	121,245	122,484	138,232	12.9	5.3
8 872 Medical instruments (incl veterinary)	113,359	86,001	83,604	-2.8	2.3
9 874 Measuring & analysing instruments	74,193	82,484	81,662	-1.0	2.9
10 897 Jewellery	29,944	25,834	42,449	64.3	16.4
11 745 Non-electrical machinery & parts	41,432	24,875	40,732	63.7	9.5
12 553 Perfumery & cosmetics (excl soap)	21,152	25,866	39,459	52.6	16.7
13 073 Chocolate & preparations of cocoa	23,254	31,841	39,241	23.2	8.8
14 772 Electrical circuits equipment	45,019	41,605	37,516	-9.8	-2.7
15 712 Steam & other vapour turbines	14	294	32,415	..	..
16 714 Non-electric engines & motors	12,492	24,118	30,914	28.2	3.6
17 111 Non-alcoholic beverages, nes	29,007	27,082	29,465	8.8	2.4
18 728 Specialised machinery & parts	24,648	19,571	25,765	31.6	-0.7
19 695 Hand or machine tools	17,672	18,332	21,560	17.6	3.6
20 743 Pumps (excl liquid pumps) & parts	22,482	32,912	21,224	-35.5	11.0
988 Confidential items of trade	473	16,502	1,056	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 54: AUSTRALIA'S MERCHANDISE TRADE WITH TAIWAN (a)(b)**  
(A\$'000)

Rank Commodity	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Top merchandise exports</b>					
<b>Total merchandise exports</b>	<b>7,678,668</b>	<b>8,973,832</b>	<b>10,638,154</b>	<b>18.5</b>	<b>8.0</b>
1 321 Coal	3,327,660	4,204,147	5,191,908	23.5	13.5
2 281 Iron ores & concentrates	1,256,721	1,383,887	1,419,593	2.6	-3.1
3 343 Natural gas	90,000	234,000	1,210,000	417.1	80.3
4 682 Copper	372,635	504,074	533,566	5.9	45.1
5 684 Aluminium	296,984	243,474	302,448	24.2	-12.5
6 686 Zinc	173,440	252,409	236,622	-6.3	17.0
7 011 Beef, f.c.f.	240,779	244,635	229,522	-6.2	2.3
8 012 Meat (excl beef), f.c.f.	67,739	88,435	98,075	10.9	6.4
9 081 Animal feed	77,874	80,685	83,855	3.9	3.1
10 282 Ferrous waste & scrap	51,076	56,036	79,761	42.3	2.9
11 022 Milk, cream, whey & yoghurt	57,898	66,980	67,964	1.5	10.0
12 287 Other ores & concentrates (c)	21,652	42,699	56,122	31.4	35.6
13 041 Wheat	73,984	78,522	55,075	-29.9	-4.2
14 246 Wood in chips or particles	66,781	57,952	52,516	-9.4	98.6
15 283 Copper ores & concentrates	223,486	197,532	52,394	-73.5	..
16 098 Edible products & preparations, nes	25,116	27,916	51,455	84.3	-7.8
17 689 Other non-ferrous metals	21,634	52,936	44,108	-16.7	24.8
18 522 Inorganic chemical elements	39,922	59,624	39,706	-33.4	9.4
19 334 Refined petroleum	4,318	29,273	34,110	16.5	-14.9
20 268 Wool & other animal hair (incl tops)	22,510	24,045	29,755	23.8	5.6
988 Confidential items of trade	487,141	427,861	214,567	..	..
<b>Top merchandise imports</b>					
<b>Total merchandise imports</b>	<b>4,438,061</b>	<b>4,376,938</b>	<b>4,994,803</b>	<b>14.1</b>	<b>2.5</b>
1 764 Telecom equipment & parts	360,739	473,852	316,870	-33.1	3.3
2 334 Refined petroleum	445,841	43,022	313,185	628.0	-30.2
3 752 Computers	163,481	173,357	220,883	27.4	8.7
4 785 Motorcycles & cycles	153,501	154,560	191,755	24.1	2.9
5 776 Electronic integrated circuits	97,343	96,486	143,756	49.0	13.2
6 694 Nails, screws, nuts, bolts & rivets	108,236	108,337	131,698	21.6	7.1
7 695 Hand or machine tools	98,957	106,251	122,703	15.5	7.3
8 778 Electrical machinery & parts, nes	104,817	105,821	118,111	11.6	5.4
9 699 Manufactures of base metal, nes	112,476	106,997	112,711	5.3	3.1
10 893 Plastic articles, nes	108,741	106,273	112,389	5.8	4.7
11 894 Prams, toys, games & sporting goods	130,984	105,138	99,892	-5.0	-2.1
12 675 Flat-rolled alloy steel	66,731	75,072	91,696	22.1	0.0
13 582 Plastic plates, sheets & film	69,111	69,673	79,317	13.8	2.3
14 898 Musical instruments & parts	90,245	88,484	76,099	-14.0	-1.2
15 784 Vehicle parts & accessories	97,452	88,168	73,341	-16.8	-2.2
16 335 Residual petroleum products, nes	9,487	31,547	72,014	128.3	42.9
17 682 Copper	46,984	86,180	71,852	-16.6	89.3
18 679 Tubes & pipes of iron or steel	45,563	53,832	70,512	31.0	5.2
19 759 Computer parts & accessories	50,045	60,992	64,969	6.5	0.8
20 676 Iron & steel bars & rods	25,471	66,655	64,172	-3.7	32.1
988 Confidential items of trade	478,793	651,306	816,190	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

for more information and a list of the commodities excluded.

(c) Mainly *Manganese and Zinc ores & concentrates*.

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 55: AUSTRALIA'S MERCHANDISE TRADE WITH THAILAND (a)(b)**  
(A\$'000)

Rank Commodity	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Top merchandise exports</b>					
<b>Total merchandise exports</b>	<b>3,567,731</b>	<b>4,476,588</b>	<b>6,555,097</b>	<b>46.4</b>	<b>2.4</b>
1 333 Crude petroleum	670,129	274,468	1,984,447	623.0	-7.6
2 971 Gold	425,939	948,836	1,554,770	63.9	7.6
3 684 Aluminium	278,590	351,197	413,359	17.7	-1.7
4 321 Coal	279,279	361,400	350,715	-3.0	8.3
5 682 Copper	216,385	149,873	181,768	21.3	0.9
6 041 Wheat	125,720	157,287	115,503	-26.6	-2.3
7 686 Zinc	21,839	50,258	96,241	91.5	16.1
8 522 Inorganic chemical elements	33,295	50,630	87,442	72.7	12.8
9 022 Milk, cream, whey & yoghurt	41,513	54,407	73,930	35.9	0.3
10 685 Lead	89,747	104,397	70,145	-32.8	17.6
11 011 Beef, f.c.f.	52,621	64,243	69,577	8.3	11.6
12 043 Barley	6,672	6,231	68,586	..	55.2
13 263 Cotton	94,080	104,198	65,581	-37.1	-14.8
14 057 Fruit & nuts	68,349	60,874	64,551	6.0	17.2
15 533 Pigments, paints & varnishes	63,027	74,761	63,803	-14.7	7.9
16 282 Ferrous waste & scrap	46,677	50,691	56,249	11.0	-16.3
17 048 Cereal preparations	42,362	56,292	55,981	-0.6	-12.7
18 287 Other ores & concentrates (c)	59,762	54,892	50,807	-7.4	2.1
19 268 Wool & other animal hair (incl tops)	25,090	34,461	47,682	38.4	14.6
20 343 Natural gas	0	195,000	44,000	-77.4	..
988 Confidential items of trade	31,177	296,597	44,934	..	..
<b>Top merchandise imports</b>					
<b>Total merchandise imports</b>	<b>14,581,398</b>	<b>14,394,327</b>	<b>14,939,972</b>	<b>3.8</b>	<b>6.6</b>
1 782 Goods vehicles	4,422,763	5,130,366	5,516,995	7.5	15.7
2 781 Passenger motor vehicles	2,382,415	2,438,607	2,412,742	-1.1	8.3
3 741 Heating & cooling equipment & parts	675,053	758,595	762,643	0.5	11.4
4 775 Household-type equipment, nes	437,451	456,528	430,916	-5.6	8.1
5 037 Seafood, prepared or preserved	349,381	378,856	400,250	5.6	4.0
6 625 Rubber tyres, treads & tubes	258,675	260,796	283,254	8.6	1.5
7 897 Jewellery	313,664	310,407	275,232	-11.3	8.6
8 553 Perfumery & cosmetics (excl soap)	179,725	184,829	272,764	47.6	13.3
9 784 Vehicle parts & accessories	342,058	302,471	257,292	-14.9	0.1
10 764 Telecom equipment & parts	201,060	214,161	212,951	-0.6	4.4
11 893 Plastic articles, nes	194,513	192,153	188,654	-1.8	2.0
12 098 Edible products & preparations, nes	139,050	136,219	185,367	36.1	7.1
13 752 Computers	152,666	154,483	146,087	-5.4	-7.1
14 884 Optical goods, nes	146,840	129,985	134,260	3.3	-0.6
15 048 Cereal preparations	98,889	102,282	116,151	13.6	16.9
16 081 Animal feed	91,793	87,342	108,977	24.8	7.0
17 335 Residual petroleum products, nes	41,073	55,369	99,476	79.7	-18.4
18 571 Primary ethylene polymers	24,543	25,094	99,392	296.1	-19.7
19 036 Crustaceans, f.c.f.	77,775	81,212	95,913	18.1	7.4
20 582 Plastic plates, sheets & film	90,659	82,475	92,640	12.3	4.3
988 Confidential items of trade	286,089	382,634	362,578	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

for more information and a list of the commodities excluded.

(c) Mainly *Manganese and Zinc ores & concentrates*.

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 56: AUSTRALIA'S MERCHANDISE TRADE WITH UNITED ARAB EMIRATES (a)(b)**  
(A\$'000)

Rank Commodity	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Top merchandise exports</b>					
<b>Total merchandise exports</b>	<b>2,893,905</b>	<b>3,447,675</b>	<b>3,928,236</b>	<b>13.9</b>	<b>6.8</b>
1 012 Meat (excl beef), f.c.f.	210,104	228,607	248,175	8.6	10.5
2 784 Vehicle parts & accessories	71,096	113,528	114,351	0.7	19.1
3 333 Crude petroleum	0	0	112,487	..	..
4 098 Edible products & preparations, nes	64,339	72,643	109,465	50.7	1.8
5 764 Telecom equipment & parts	71,815	59,540	99,096	66.4	-1.9
6 011 Beef, f.c.f.	94,684	96,675	96,507	-0.2	7.9
7 222 Oil-seeds & oleaginous fruits, soft	612	10,787	91,920	752.1	-40.9
8 673 Uncoated flat-rolled iron & steel	24,586	31,466	78,144	148.3	139.4
9 054 Vegetables, f.c.f.	115,021	189,043	70,446	-62.7	6.1
10 057 Fruit & nuts	86,074	80,675	55,025	-31.8	-5.4
11 971 Gold	16,165	17,918	52,542	193.2	19.8
12 269 Worn clothing & rags	31,061	35,011	38,984	11.3	13.4
13 522 Inorganic chemical elements	12,471	642	37,446	..	-5.2
14 112 Alcoholic beverages	20,829	24,471	34,413	40.6	18.1
15 041 Wheat	78,537	70,944	32,360	-54.4	11.3
16 542 Medicaments (incl veterinary)	27,424	23,789	32,084	34.9	8.9
17 752 Computers	36,016	30,396	28,671	-5.7	-10.2
18 043 Barley	89,478	58,125	25,977	-55.3	-2.1
19 533 Pigments, paints & varnishes	13,562	13,564	19,667	45.0	22.2
20 001 Live animals (excl seafood)	24,993	20,639	18,038	-12.6	-2.9
988 Confidential items of trade	1,092,127	1,695,278	2,189,858	..	..
<b>Top merchandise imports</b>					
<b>Total merchandise imports</b>	<b>2,044,581</b>	<b>2,111,251</b>	<b>3,051,024</b>	<b>44.5</b>	<b>-5.9</b>
1 333 Crude petroleum	1,473,914	1,483,090	1,973,294	33.1	-11.8
2 334 Refined petroleum	49,876	192,312	420,452	118.6	335.9
3 682 Copper	0	30,358	105,506	247.5	..
4 562 Fertilisers (excl crude)	92,048	50,676	43,752	-13.7	22.2
5 665 Glassware	61,707	45,369	40,206	-11.4	11.2
6 764 Telecom equipment & parts	1,350	1,212	30,800	..	58.8
7 659 Floor coverings	18,527	17,514	22,568	28.9	-3.2
8 691 Iron, steel, aluminium structures	17,732	11,460	19,913	73.8	21.9
9 778 Electrical machinery & parts, nes	4,699	10,859	18,572	71.0	24.5
10 897 Jewellery	19,577	7,424	18,208	145.3	10.0
11 679 Tubes & pipes of iron or steel	48,971	12,300	17,193	39.8	-17.6
12 074 Tea & mate	15,598	16,618	16,599	-0.1	5.7
13 743 Pumps (excl liquid pumps) & parts	1,609	4,271	13,943	226.4	-3.4
14 664 Glass	4,403	8,992	13,515	50.3	23.2
15 723 Civil engineering equipment & parts	2,276	6,508	10,848	66.7	21.2
16 523 Salts of inorganic acids & metals	0	2,562	10,177	297.3	..
17 582 Plastic plates, sheets & film	1,778	3,072	10,077	228.1	33.1
18 771 Electric power machinery & parts	2,890	1,696	8,462	398.9	187.6
19 793 Ships, boats & floating structures	11,507	3,098	8,181	164.0	57.3
20 784 Vehicle parts & accessories	5,622	5,133	8,013	56.1	19.7
988 Confidential items of trade	109,313	91,509	117,566	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 57: AUSTRALIA'S MERCHANDISE TRADE WITH UNITED KINGDOM (a)(b)**  
(A\$'000)

Rank Commodity	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Top merchandise exports</b>					
<b>Total merchandise exports</b>	<b>10,148,042</b>	<b>6,148,743</b>	<b>5,032,962</b>	<b>-18.1</b>	<b>11.4</b>
1 971 Gold	6,962,979	2,800,578	1,572,773	-43.8	35.2
2 112 Alcoholic beverages	359,272	361,396	412,335	14.1	0.7
3 685 Lead	532,314	492,837	383,171	-22.3	3.9
4 667 Pearls & gems	325,794	255,419	256,537	0.4	-0.9
5 899 Misc manufactured articles, nes	251,988	198,663	238,381	20.0	-1.2
6 321 Coal	160,198	199,383	210,787	5.7	-10.2
7 681 Silver & platinum	1,161	296,609	160,000	-46.1	-8.5
8 542 Medicaments (incl veterinary)	39,412	32,721	132,103	303.7	8.5
9 792 Aircraft, spacecraft & parts	124,256	75,621	78,283	3.5	5.4
10 012 Meat (excl beef), f.c.f.	86,758	87,678	77,066	-12.1	-4.6
11 672 Iron or steel ingots	0	338	69,563	..	..
12 874 Measuring & analysing instruments	60,529	60,103	65,162	8.4	5.1
13 778 Electrical machinery & parts, nes	34,482	47,625	62,084	30.4	15.3
14 541 Pharm products (excl medicaments)	89,876	64,933	60,687	-6.5	12.4
15 011 Beef, f.c.f.	94,669	78,396	59,542	-24.0	-11.1
16 764 Telecom equipment & parts	66,584	54,728	52,617	-3.9	9.6
17 553 Perfumery & cosmetics (excl soap)	38,797	46,640	48,937	4.9	13.5
18 281 Iron ores & concentrates	0	29,675	39,003	31.4	..
19 896 Artwork & antiques	20,536	42,530	29,907	-29.7	-4.0
20 784 Vehicle parts & accessories	21,369	23,053	27,817	20.7	10.8
988 Confidential items of trade	195,177	213,064	286,469	..	..
<b>Top merchandise imports</b>					
<b>Total merchandise imports</b>	<b>7,125,645</b>	<b>6,876,165</b>	<b>7,239,025</b>	<b>5.3</b>	<b>3.2</b>
1 781 Passenger motor vehicles	1,430,631	1,537,335	1,135,510	-26.1	4.7
2 542 Medicaments (incl veterinary)	462,115	444,627	512,279	15.2	-6.5
3 112 Alcoholic beverages	273,471	261,255	299,726	14.7	4.0
4 892 Printed matter	262,897	247,499	255,538	3.2	-1.1
5 541 Pharm products (excl medicaments)	252,787	316,754	252,247	-20.4	5.7
6 874 Measuring & analysing instruments	226,982	204,376	249,572	22.1	0.2
7 728 Specialised machinery & parts	128,320	187,511	215,118	14.7	-3.5
8 334 Refined petroleum	3,941	5,441	201,114	..	63.5
9 744 Mechanical handling equip & parts	104,987	110,914	133,744	20.6	0.1
10 723 Civil engineering equipment & parts	65,386	93,365	119,190	27.7	-0.3
11 048 Cereal preparations	86,281	109,225	117,914	8.0	12.0
12 773 Electrical distributing equipment	39,065	31,594	117,460	271.8	20.4
13 764 Telecom equipment & parts	156,363	100,305	116,445	16.1	1.3
14 553 Perfumery & cosmetics (excl soap)	110,949	104,777	116,233	10.9	1.6
15 778 Electrical machinery & parts, nes	93,014	102,831	112,215	9.1	2.6
16 782 Goods vehicles	33,324	54,439	109,221	100.6	22.0
17 714 Non-electric engines & motors	241,065	101,130	105,305	4.1	5.1
18 716 Rotating electric plant & parts	64,908	66,938	102,128	52.6	-1.6
19 743 Pumps (excl liquid pumps) & parts	127,530	76,644	100,753	31.5	7.9
20 081 Animal feed	41,122	72,999	88,214	20.8	103.1
988 Confidential items of trade	29,471	50,149	38,173	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 58: AUSTRALIA'S MERCHANDISE TRADE WITH UNITED STATES (a)(b)**  
(A\$'000)

Rank Commodity	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Top merchandise exports</b>					
<b>Total merchandise exports</b>	<b>12,434,718</b>	<b>12,270,190</b>	<b>13,439,973</b>	<b>9.5</b>	<b>4.8</b>
1 011 Beef, f.c.f.	1,726,972	1,672,824	1,755,972	5.0	3.0
2 792 Aircraft, spacecraft & parts	1,052,848	910,515	1,074,356	18.0	7.0
3 541 Pharm products (excl medicaments)	618,981	672,857	1,059,416	57.5	87.0
4 012 Meat (excl beef), f.c.f.	844,369	988,555	993,008	0.5	15.1
5 684 Aluminium	68,478	248,301	518,722	108.9	37.8
6 112 Alcoholic beverages	482,079	474,629	448,288	-5.5	-0.9
7 899 Misc manufactured articles, nes	331,923	364,786	390,776	7.1	15.2
8 872 Medical instruments (incl veterinary)	349,724	397,168	334,940	-15.7	-2.2
9 874 Measuring & analysing instruments	218,900	242,173	290,925	20.1	9.4
10 764 Telecom equipment & parts	283,430	274,887	284,906	3.6	5.7
11 592 Starches, inulin & wheat gluten	297,021	239,985	263,272	9.7	-0.9
12 951 Gold coin & legal tender coin	259,647	168,704	200,854	19.1	-11.8
13 728 Specialised machinery & parts	90,690	86,975	182,315	109.6	11.2
14 641 Paper & paperboard	136,836	125,964	167,800	33.2	5.1
15 542 Medicaments (incl veterinary)	171,997	132,368	164,058	23.9	-1.3
16 713 Internal combustion piston engines	114,012	112,149	152,201	35.7	13.1
17 673 Uncoated flat-rolled iron & steel	87,259	191,595	140,919	-26.4	7.5
18 784 Vehicle parts & accessories	157,934	156,559	140,888	-10.0	4.0
19 778 Electrical machinery & parts, nes	96,379	102,084	115,170	12.8	8.5
20 971 Gold	153,813	78,193	110,203	40.9	-8.8
988 Confidential items of trade	1,056,719	1,009,948	1,067,386	..	..
<b>Top merchandise imports</b>					
<b>Total merchandise imports</b>	<b>29,725,560</b>	<b>31,187,938</b>	<b>33,273,714</b>	<b>6.7</b>	<b>3.6</b>
1 781 Passenger motor vehicles	2,087,661	2,321,700	2,041,074	-12.1	2.2
2 792 Aircraft, spacecraft & parts	1,703,864	1,826,361	1,250,102	-31.6	86.8
3 872 Medical instruments (incl veterinary)	1,116,358	1,100,544	1,187,326	7.9	7.0
4 764 Telecom equipment & parts	1,034,330	1,011,941	1,185,564	17.2	..
5 541 Pharm products (excl medicaments)	691,010	920,292	1,109,925	20.6	20.9
6 874 Measuring & analysing instruments	1,077,645	984,320	1,106,600	12.4	1.0
7 542 Medicaments (incl veterinary)	792,155	887,140	1,012,475	14.1	1.5
8 723 Civil engineering equipment & parts	551,464	701,544	975,809	39.1	-1.4
9 752 Computers	629,511	663,187	731,086	10.2	8.4
10 782 Goods vehicles	338,635	343,299	723,667	110.8	-2.9
11 899 Misc manufactured articles, nes	739,568	720,900	709,575	-1.6	6.6
12 784 Vehicle parts & accessories	532,501	613,792	704,899	14.8	6.5
13 713 Internal combustion piston engines	516,047	566,176	606,009	7.0	0.4
14 553 Perfumery & cosmetics (excl soap)	570,475	560,688	600,801	7.2	7.4
15 714 Non-electric engines & motors	604,038	644,134	592,169	-8.1	4.1
16 778 Electrical machinery & parts, nes	552,950	566,238	534,181	-5.7	4.3
17 743 Pumps (excl liquid pumps) & parts	490,666	452,201	488,293	8.0	-5.1
18 721 Agric machinery (excl tractors) & parts	498,338	592,794	484,411	-18.3	3.3
19 625 Rubber tyres, treads & tubes	393,979	326,785	433,537	32.7	-0.7
20 598 Miscellaneous chemical products, nes	389,094	385,578	378,666	-1.8	3.8
988 Confidential items of trade	1,288,550	1,917,576	2,253,350	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 59: AUSTRALIA'S MERCHANDISE TRADE WITH VIETNAM (a)(b)**  
(A\$'000)

Rank Commodity	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Top merchandise exports</b>					
<b>Total merchandise exports</b>	<b>3,793,112</b>	<b>4,628,287</b>	<b>5,019,411</b>	<b>8.5</b>	<b>17.2</b>
1 321 Coal	409,586	616,688	1,179,556	91.3	86.3
2 263 Cotton	230,653	371,496	466,182	25.5	39.5
3 281 Iron ores & concentrates	46,398	164,170	386,778	135.6	..
4 001 Live animals (excl seafood)	290,840	246,833	317,082	28.5	30.2
5 041 Wheat	446,084	542,143	314,209	-42.0	-3.5
6 282 Ferrous waste & scrap	90,069	206,838	287,029	38.8	10.0
7 684 Aluminium	263,056	389,757	241,524	-38.0	32.0
8 686 Zinc	104,250	159,493	173,943	9.1	39.5
9 057 Fruit & nuts	91,609	117,049	170,897	46.0	45.6
10 682 Copper	161,743	166,430	162,272	-2.5	19.9
11 036 Crustaceans, f.c.f.	648,970	488,662	127,058	-74.0	-16.8
12 048 Cereal preparations	86,448	91,296	108,751	19.1	9.3
13 011 Beef, f.c.f.	37,504	41,721	83,798	100.9	35.7
14 685 Lead	56,184	88,624	81,315	-8.2	-3.8
15 342 Liquefied propane & butane	0	31,774	65,842	107.2	..
16 582 Plastic plates, sheets & film	55,477	54,263	63,700	17.4	29.6
17 542 Medicaments (incl veterinary)	47,001	47,377	44,060	-7.0	-5.7
18 098 Edible products & preparations, nes	14,297	21,658	42,558	96.5	15.8
19 043 Barley	10,727	28,166	42,319	50.2	30.9
20 533 Pigments, paints & varnishes	30,568	43,842	39,005	-11.0	11.9
988 Confidential items of trade	36,107	28,293	44,934	..	..
<b>Top merchandise imports</b>					
<b>Total merchandise imports</b>	<b>4,508,552</b>	<b>5,095,475</b>	<b>6,098,144</b>	<b>19.7</b>	<b>7.2</b>
1 764 Telecom equipment & parts	1,108,703	1,210,364	1,616,025	33.5	16.9
2 333 Crude petroleum	229,297	395,636	712,980	80.2	-24.9
3 851 Footwear	362,523	381,390	443,934	16.4	24.9
4 821 Furniture, mattresses & cushions	304,645	296,987	347,282	16.9	14.2
5 761 Monitors, projectors & TVs	242,532	338,759	323,796	-4.4	398.6
6 057 Fruit & nuts	167,274	180,613	170,215	-5.8	11.8
7 752 Computers	123,360	161,032	142,345	-11.6	1.3
8 751 Office machines	130,491	121,186	140,077	15.6	11.2
9 037 Seafood, prepared or preserved	88,627	89,657	107,681	20.1	8.1
10 831 Travel goods, bags & like containers	69,141	77,314	104,270	34.9	32.5
11 842 Women's clothing (excl knitted)	83,505	78,789	92,204	17.0	20.0
12 034 Fish, f.c.f.	83,565	70,902	88,209	24.4	4.7
13 845 Other textile clothing	55,545	61,595	85,295	38.5	28.3
14 663 Mineral manufactures, nes	65,614	71,477	77,303	8.2	19.7
15 841 Men's clothing (excl knitted)	74,377	67,425	76,851	14.0	17.5
16 691 Iron, steel, aluminium structures	52,860	67,184	72,583	8.0	30.5
17 036 Crustaceans, f.c.f.	73,565	75,498	67,432	-10.7	1.7
18 894 Prams, toys, games & sporting goods	34,262	57,154	58,879	3.0	34.3
19 893 Plastic articles, nes	49,933	51,263	57,633	12.4	16.3
20 642 Paper & paperboard, cut to size	45,891	52,933	56,109	6.0	11.9
988 Confidential items of trade	30,385	75,812	66,638	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 60: AUSTRALIA'S MERCHANDISE TRADE WITH AFRICA (a)(b)**  
(A\$'000)

Rank Commodity	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Top merchandise exports</b>					
<b>Total merchandise exports</b>	<b>2,577,803</b>	<b>3,513,242</b>	<b>3,820,126</b>	<b>8.7</b>	<b>1.1</b>
1 285 Aluminium ores & conc (incl alumina)	695,510	1,055,701	1,596,598	51.2	..
2 321 Coal	171,641	312,672	267,440	-14.5	19.6
3 041 Wheat	249,637	302,779	171,931	-43.2	-28.5
4 054 Vegetables, f.c.f.	97,946	158,240	133,713	-15.5	0.9
5 012 Meat (excl beef), f.c.f.	80,112	83,946	101,765	21.2	-1.3
6 723 Civil engineering equipment & parts	120,145	137,247	82,083	-40.2	4.5
7 728 Specialised machinery & parts	76,360	95,140	73,610	-22.6	-8.3
8 641 Paper & paperboard	36,740	47,382	59,685	26.0	5.8
9 268 Wool & other animal hair (incl tops)	46,656	56,979	52,413	-8.0	10.2
10 874 Measuring & analysing instruments	28,547	44,347	38,648	-12.9	7.6
11 784 Vehicle parts & accessories	18,804	32,212	37,992	17.9	8.9
12 747 Taps, cocks & valves	10,425	15,763	33,499	112.5	5.4
13 098 Edible products & preparations, nes	37,961	43,671	29,834	-31.7	60.2
14 011 Beef, f.c.f.	27,924	27,915	29,698	6.4	-5.3
15 684 Aluminium	7,967	27,636	28,181	2.0	37.1
16 686 Zinc	4,543	29,190	27,620	-5.4	224.8
17 742 Pumps for liquids & parts	15,343	17,602	24,271	37.9	-3.5
18 772 Electrical circuits equipment	19,219	21,038	23,329	10.9	-0.8
19 744 Mechanical handling equip & parts	14,317	27,737	23,298	-16.0	-1.2
20 342 Liquefied propane & butane	9,820	53,824	23,230	-56.8	..
988 Confidential items of trade	164,400	210,791	261,542	..	..
<b>Top merchandise imports</b>					
<b>Total merchandise imports</b>	<b>2,717,224</b>	<b>3,417,980</b>	<b>4,615,872</b>	<b>35.0</b>	<b>-6.0</b>
1 333 Crude petroleum	1,239,174	1,862,999	3,037,269	63.0	-9.7
2 781 Passenger motor vehicles	481,702	451,906	362,736	-19.7	9.3
3 287 Other ores & concentrates	34,258	65,900	81,628	23.9	18.9
4 071 Coffee & substitutes	38,539	42,936	46,458	8.2	11.8
5 728 Specialised machinery & parts	21,413	42,127	37,035	-12.1	8.1
6 782 Goods vehicles	6,099	17,841	30,875	73.1	16.0
7 283 Copper ores & concentrates	0	0	30,454	..	..
8 684 Aluminium	31,547	29,497	29,651	0.5	65.8
9 034 Fish, f.c.f.	29,925	28,348	29,650	4.6	-0.8
10 272 Crude fertilisers	31,148	32,581	29,262	-10.2	14.8
11 671 Pig-iron	9,802	11,339	28,028	147.2	4.8
12 292 Crude vegetable matter, nes	24,236	27,915	27,364	-2.0	-1.1
13 634 Veneers, plywood & particle board	12,457	11,914	25,006	109.9	8.3
14 842 Women's clothing (excl knitted)	23,858	22,119	21,428	-3.1	19.0
15 723 Civil engineering equipment & parts	4,982	12,235	21,085	72.3	43.9
16 784 Vehicle parts & accessories	12,786	12,691	20,405	60.8	1.6
17 598 Miscellaneous chemical products, nes	11,393	15,280	19,156	25.4	9.7
18 058 Fruit, prepared or preserved	17,213	22,528	18,217	-19.1	10.6
19 057 Fruit & nuts	10,659	21,613	18,047	-16.5	32.2
20 841 Men's clothing (excl knitted)	19,016	17,146	17,563	2.4	9.4
988 Confidential items of trade	10,591	11,297	4,684	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 61: AUSTRALIA'S MERCHANDISE TRADE WITH AMERICAS (a)(b)**  
(A\$'000)

Rank Commodity	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Top merchandise exports</b>					
<b>Total merchandise exports</b>	<b>16,844,182</b>	<b>16,808,872</b>	<b>18,305,151</b>	<b>8.9</b>	<b>5.5</b>
1 011 Beef, f.c.f.	1,846,879	1,819,958	1,918,461	5.4	2.2
2 321 Coal	1,616,081	1,638,915	1,419,092	-13.4	17.0
3 012 Meat (excl beef), f.c.f.	978,172	1,146,608	1,158,526	1.0	13.8
4 792 Aircraft, spacecraft & parts	1,105,041	939,129	1,134,827	20.8	6.5
5 541 Pharm products (excl medicaments)	630,856	687,709	1,078,615	56.8	79.9
6 112 Alcoholic beverages	685,669	671,298	668,430	-0.4	0.5
7 684 Aluminium	160,935	363,378	583,818	60.7	35.9
8 899 Misc manufactured articles, nes	368,134	405,887	433,550	6.8	13.8
9 874 Measuring & analysing instruments	272,915	315,876	370,894	17.4	9.5
10 872 Medical instruments (incl veterinary)	359,813	405,614	352,948	-13.0	-1.8
11 764 Telecom equipment & parts	308,530	304,426	306,414	0.7	4.3
12 592 Starches, inulin & wheat gluten	300,542	246,358	266,383	8.1	-1.4
13 728 Specialised machinery & parts	178,364	148,581	227,493	53.1	8.4
14 542 Medicaments (incl veterinary)	221,741	166,820	218,128	30.8	-8.2
15 951 Gold coin & legal tender coin	273,897	182,323	214,204	17.5	-10.3
16 641 Paper & paperboard	160,348	152,362	188,171	23.5	3.1
17 713 Internal combustion piston engines	168,931	124,880	166,184	33.1	10.9
18 784 Vehicle parts & accessories	176,008	170,153	160,350	-5.8	4.4
19 897 Jewellery	102,855	142,260	144,549	1.6	10.8
20 772 Electrical circuits equipment	97,988	115,911	143,721	24.0	5.2
988 Confidential items of trade	1,387,388	1,474,649	2,297,822	..	..
<b>Top merchandise imports</b>					
<b>Total merchandise imports</b>	<b>37,431,427</b>	<b>39,297,885</b>	<b>41,769,511</b>	<b>6.3</b>	<b>3.3</b>
1 781 Passenger motor vehicles	2,163,914	2,582,688	2,516,991	-2.5	3.8
2 764 Telecom equipment & parts	1,548,243	1,570,958	1,725,047	9.8	6.2
3 872 Medical instruments (incl veterinary)	1,473,844	1,437,306	1,595,792	11.0	9.5
4 542 Medicaments (incl veterinary)	1,061,399	1,218,366	1,393,549	14.4	-1.3
5 541 Pharm products (excl medicaments)	786,524	1,063,509	1,349,505	26.9	..
6 792 Aircraft, spacecraft & parts	1,792,815	1,942,688	1,334,227	-31.3	76.7
7 874 Measuring & analysing instruments	1,221,765	1,129,371	1,259,770	11.5	1.3
8 723 Civil engineering equipment & parts	644,828	829,386	1,186,471	43.1	-0.9
9 287 Other ores & concentrates	646,536	930,378	971,679	4.4	34.5
10 752 Computers	757,927	846,266	947,755	12.0	10.9
11 782 Goods vehicles	526,358	562,008	913,771	62.6	-4.0
12 899 Misc manufactured articles, nes	847,226	826,043	834,715	1.0	7.2
13 784 Vehicle parts & accessories	668,376	740,933	826,821	11.6	5.2
14 714 Non-electric engines & motors	747,378	760,336	693,598	-8.8	4.3
15 553 Perfumery & cosmetics (excl soap)	628,642	621,033	672,308	8.3	7.7
16 713 Internal combustion piston engines	663,834	681,506	668,436	-1.9	-1.3
17 721 Agric machinery (excl tractors) & parts	647,134	756,905	647,578	-14.4	5.5
18 778 Electrical machinery & parts, nes	662,706	674,600	625,959	-7.2	4.5
19 081 Animal feed	533,855	546,730	609,047	11.4	2.9
20 743 Pumps (excl liquid pumps) & parts	578,147	560,496	594,110	6.0	-3.3
988 Confidential items of trade	1,304,687	2,003,947	2,266,515	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 62: AUSTRALIA'S MERCHANDISE TRADE WITH APEC (a)(b)**  
(A\$'000)

Rank	Commodity	2016	2017	2018	% growth	
					2017 to 2018	5 year trend
<b>Top merchandise exports</b>						
<b>Total merchandise exports</b>		<b>207,030,633</b>	<b>244,444,014</b>	<b>286,621,845</b>	<b>17.3</b>	<b>4.7</b>
1	281 Iron ores & concentrates	53,756,900	63,027,250	62,685,272	-0.5	-1.6
2	321 Coal	30,730,026	42,049,742	49,615,334	18.0	10.2
3	343 Natural gas	16,243,005	23,955,018	41,521,009	73.3	19.4
4	971 Gold	10,585,516	11,979,485	15,826,959	32.1	5.7
5	011 Beef, f.c.f.	6,764,838	6,836,640	8,050,057	17.7	6.0
6	333 Crude petroleum	4,726,614	4,169,512	7,395,936	77.4	1.9
7	283 Copper ores & concentrates	3,956,207	4,062,345	5,246,426	29.1	3.0
8	684 Aluminium	3,158,025	3,214,224	4,199,213	30.6	0.4
9	012 Meat (excl beef), f.c.f.	2,539,471	3,097,439	3,493,443	12.8	9.2
10	682 Copper	3,106,989	2,909,531	3,272,069	12.5	-2.6
11	268 Wool & other animal hair (incl tops)	2,429,858	2,954,298	3,154,966	6.8	10.1
12	287 Other ores & concentrates (c)	1,882,239	2,259,339	3,025,483	33.9	-7.1
13	041 Wheat	3,482,395	4,212,867	2,973,231	-29.4	-1.4
14	098 Edible products & preparations, nes	2,218,413	2,730,400	2,605,191	-4.6	30.4
15	112 Alcoholic beverages	1,807,700	2,131,010	2,433,592	14.2	14.0
16	263 Cotton	1,030,071	1,408,176	2,068,971	46.9	-4.2
17	541 Pharm products (excl medicaments)	1,044,639	970,564	1,977,337	103.7	46.3
18	542 Medicaments (incl veterinary)	1,738,118	1,776,308	1,844,909	3.9	-4.8
19	043 Barley	1,256,396	1,808,464	1,808,554	0.0	11.9
20	792 Aircraft, spacecraft & parts	1,553,743	1,522,732	1,754,273	15.2	8.5
	988 Confidential items of trade	7,928,308	9,333,928	10,766,159	..	..
<b>Top merchandise imports</b>						
<b>Total merchandise imports</b>		<b>183,921,083</b>	<b>214,553,071</b>	<b>220,629,314</b>	<b>2.8</b>	<b>4.9</b>
1	334 Refined petroleum	13,565,975	17,277,733	22,468,649	30.0	3.0
2	781 Passenger motor vehicles	14,070,373	15,634,370	16,124,511	3.1	6.3
3	764 Telecom equipment & parts	11,079,059	11,926,330	13,356,595	12.0	9.6
4	752 Computers	6,931,718	7,854,246	9,157,418	16.6	5.4
5	333 Crude petroleum	5,176,890	6,087,479	8,658,803	42.2	-10.9
6	782 Goods vehicles	6,391,000	7,349,957	8,544,793	16.3	12.1
7	971 Gold	6,746,568	5,910,131	5,874,838	-0.6	12.8
8	821 Furniture, mattresses & cushions	3,654,059	3,645,906	4,238,800	16.3	7.6
9	893 Plastic articles, nes	2,753,621	2,919,657	3,238,925	10.9	9.4
10	894 Prams, toys, games & sporting goods	2,734,136	3,002,038	3,213,847	7.1	6.8
11	778 Electrical machinery & parts, nes	2,732,812	2,927,552	3,078,515	5.2	7.2
12	723 Civil engineering equipment & parts	1,727,118	2,156,427	2,947,644	36.7	5.0
13	776 Electronic integrated circuits	1,198,961	1,816,661	2,733,024	50.4	20.3
14	741 Heating & cooling equipment & parts	3,214,409	2,351,187	2,487,567	5.8	-6.3
15	775 Household-type equipment, nes	2,343,968	2,411,108	2,482,588	3.0	7.7
16	625 Rubber tyres, treads & tubes	2,121,552	2,164,352	2,455,146	13.4	0.5
17	699 Manufactures of base metal, nes	2,061,446	2,072,540	2,414,616	16.5	5.7
18	761 Monitors, projectors & TVs	2,087,096	2,360,521	2,388,494	1.2	6.1
19	872 Medical instruments (incl veterinary)	2,093,148	2,066,268	2,338,376	13.2	10.2
20	845 Other textile clothing	2,129,825	2,191,439	2,302,036	5.0	6.3
	988 Confidential items of trade	4,362,750	6,053,270	6,257,750	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

for more information and a list of the commodities excluded.

(c) Mainly *Manganese and Zinc ores & concentrates*.

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 63: AUSTRALIA'S MERCHANDISE TRADE WITH ASEAN (a)(b)**  
(A\$'000)

Rank	Commodity	2016	2017	2018	% growth	
					2017 to 2018	5 year trend
<b>Top merchandise exports</b>						
<b>Total merchandise exports</b>		<b>26,586,655</b>	<b>31,293,104</b>	<b>38,214,463</b>	<b>22.1</b>	<b>6.4</b>
1	333 Crude petroleum	2,591,969	2,772,297	5,375,338	93.9	5.6
2	321 Coal	1,703,651	2,337,975	3,542,720	51.5	35.2
3	343 Natural gas	598,000	1,791,002	3,295,000	84.0	..
4	971 Gold	1,136,984	1,836,140	2,757,337	50.2	-4.8
5	041 Wheat	2,255,660	2,970,850	1,927,420	-35.1	-1.2
6	682 Copper	996,022	1,198,034	1,303,048	8.8	3.9
7	001 Live animals (excl seafood)	1,090,667	926,975	1,036,054	11.8	14.2
8	684 Aluminium	770,368	1,017,909	910,712	-10.5	-1.5
9	281 Iron ores & concentrates	293,736	498,627	902,083	80.9	62.6
10	011 Beef, f.c.f.	729,389	718,867	832,679	15.8	8.8
11	263 Cotton	514,160	728,568	712,499	-2.2	9.6
12	334 Refined petroleum	392,588	435,619	671,872	54.2	-5.7
13	282 Ferrous waste & scrap	210,471	446,125	624,842	40.1	-0.2
14	012 Meat (excl beef), f.c.f.	418,013	484,118	543,662	12.3	11.3
15	686 Zinc	263,951	403,476	497,279	23.2	21.3
16	022 Milk, cream, whey & yoghurt	499,726	483,653	491,108	1.5	-4.3
17	061 Sugars, molasses & honey	827,068	502,718	477,915	-4.9	-6.1
18	057 Fruit & nuts	407,413	390,912	463,172	18.5	21.0
19	792 Aircraft, spacecraft & parts	280,343	390,396	436,753	11.9	10.9
20	793 Ships, boats & floating structures	16,809	73,841	427,250	478.6	34.4
	988 Confidential items of trade	1,828,640	2,336,283	2,137,560	..	..
<b>Top merchandise imports</b>						
<b>Total merchandise imports</b>		<b>41,793,270</b>	<b>44,332,328</b>	<b>52,374,302</b>	<b>18.1</b>	<b>1.2</b>
1	334 Refined petroleum	5,328,076	7,485,053	10,510,831	40.4	-1.0
2	333 Crude petroleum	3,861,586	4,682,018	7,287,676	55.7	-8.9
3	782 Goods vehicles	4,437,910	5,147,561	5,527,075	7.4	15.5
4	781 Passenger motor vehicles	2,384,430	2,439,605	2,414,164	-1.0	8.2
5	764 Telecom equipment & parts	1,815,121	1,912,967	2,341,644	22.4	10.9
6	752 Computers	1,191,286	1,282,402	1,394,576	8.7	3.0
7	741 Heating & cooling equipment & parts	1,258,394	900,073	946,772	5.2	0.7
8	775 Household-type equipment, nes	739,304	817,026	847,705	3.8	12.9
9	761 Monitors, projectors & TVs	638,546	760,342	809,416	6.5	4.5
10	821 Furniture, mattresses & cushions	715,445	655,929	700,055	6.7	4.9
11	851 Footwear	571,037	578,666	651,520	12.6	20.7
12	098 Edible products & preparations, nes	879,644	671,606	622,295	-7.3	-6.6
13	037 Seafood, prepared or preserved	521,597	572,709	604,964	5.6	4.9
14	893 Plastic articles, nes	454,802	456,436	472,751	3.6	6.0
15	625 Rubber tyres, treads & tubes	400,729	405,279	429,096	5.9	-0.8
16	122 Tobacco, manufactured	134,004	127,980	396,354	209.7	33.1
17	582 Plastic plates, sheets & film	338,497	331,792	380,516	14.7	6.0
18	776 Electronic integrated circuits	321,661	485,825	378,982	-22.0	10.6
19	897 Jewellery	399,492	380,165	364,730	-4.1	9.5
20	784 Vehicle parts & accessories	411,427	376,833	336,679	-10.7	1.9
	988 Confidential items of trade	840,250	1,012,336	950,728	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 64: AUSTRALIA'S MERCHANDISE TRADE WITH ASIA (a)(b)**  
(A\$'000)

Rank	Commodity	2016	2017	2018	% growth	
					2017 to 2018	5 year trend
<b>Top merchandise exports</b>						
<b>Total merchandise exports</b>		<b>202,294,821</b>	<b>244,983,400</b>	<b>285,997,262</b>	<b>16.7</b>	<b>5.2</b>
1	281 Iron ores & concentrates	53,756,905	63,068,075	63,164,798	0.2	-1.5
2	321 Coal	36,816,300	50,987,392	60,460,583	18.6	11.6
3	343 Natural gas	16,607,000	24,785,002	42,462,000	71.3	20.1
4	971 Gold	10,694,342	12,568,734	16,457,194	30.9	4.5
5	333 Crude petroleum	4,431,034	4,006,519	7,419,532	85.2	4.0
6	011 Beef, f.c.f.	5,162,947	5,260,559	6,381,825	21.3	7.8
7	283 Copper ores & concentrates	4,602,128	4,748,625	5,950,171	25.3	1.5
8	684 Aluminium	3,132,110	3,018,843	3,711,239	22.9	-1.4
9	041 Wheat	4,240,478	5,380,338	3,494,468	-35.1	-3.9
10	268 Wool & other animal hair (incl tops)	2,642,344	3,184,694	3,416,939	7.3	9.9
11	682 Copper	3,034,161	2,876,709	3,196,747	11.1	-2.6
12	012 Meat (excl beef), f.c.f.	2,136,757	2,621,110	3,131,104	19.5	8.3
13	287 Other ores & concentrates (c)	1,924,629	2,213,481	3,011,003	36.0	-7.4
14	098 Edible products & preparations, nes	1,973,140	2,506,093	2,400,797	-4.2	33.9
15	263 Cotton	1,593,552	1,978,252	2,378,382	20.2	-0.3
16	043 Barley	1,517,373	2,080,970	1,861,987	-10.5	4.6
17	057 Fruit & nuts	1,289,300	1,442,095	1,667,344	15.6	20.1
18	112 Alcoholic beverages	1,030,274	1,358,679	1,658,336	22.1	26.0
19	686 Zinc	917,376	1,524,494	1,641,419	7.7	18.6
20	001 Live animals (excl seafood)	1,658,501	1,493,861	1,640,510	9.8	8.6
	988 Confidential items of trade	8,863,846	11,276,373	13,593,995	..	..
<b>Top merchandise imports</b>						
<b>Total merchandise imports</b>		<b>147,011,164</b>	<b>176,525,879</b>	<b>181,915,767</b>	<b>3.1</b>	<b>5.7</b>
1	334 Refined petroleum	14,641,931	18,913,999	24,110,291	27.5	4.7
2	781 Passenger motor vehicles	11,972,894	13,086,402	13,696,614	4.7	6.5
3	764 Telecom equipment & parts	9,562,712	10,401,959	11,765,375	13.1	10.3
4	333 Crude petroleum	5,410,623	6,225,029	9,363,833	50.4	-9.8
5	752 Computers	6,172,439	7,011,587	8,209,547	17.1	4.8
6	782 Goods vehicles	6,003,807	6,957,262	7,749,329	11.4	13.7
7	821 Furniture, mattresses & cushions	3,565,680	3,573,420	4,164,784	16.5	7.8
8	894 Prams, toys, games & sporting goods	2,509,336	2,803,409	3,004,010	7.2	7.6
9	893 Plastic articles, nes	2,384,987	2,557,793	2,856,744	11.7	10.8
10	845 Other textile clothing	2,636,827	2,704,451	2,839,657	5.0	7.6
11	776 Electronic integrated circuits	1,105,182	1,688,014	2,632,401	55.9	20.6
12	778 Electrical machinery & parts, nes	2,065,511	2,258,738	2,468,639	9.3	8.1
13	971 Gold	3,209,386	2,577,231	2,421,270	-6.1	29.7
14	775 Household-type equipment, nes	2,249,727	2,331,624	2,395,393	2.7	8.7
15	761 Monitors, projectors & TVs	2,024,985	2,281,081	2,323,556	1.9	7.0
16	699 Manufactures of base metal, nes	1,795,489	1,827,321	2,180,574	19.3	7.0
17	741 Heating & cooling equipment & parts	2,772,013	1,977,399	2,098,062	6.1	-6.8
18	625 Rubber tyres, treads & tubes	1,777,028	1,895,023	2,086,154	10.1	0.9
19	851 Footwear	1,891,946	1,848,894	1,953,820	5.7	6.8
20	842 Women's clothing (excl knitted)	1,680,787	1,719,568	1,927,764	12.1	6.2
	988 Confidential items of trade	3,321,157	4,238,621	4,186,472	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

for more information and a list of the commodities excluded.

(c) Mainly *Manganese and Zinc ores & concentrates*.

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 65: AUSTRALIA'S MERCHANDISE TRADE WITH EUROPE (a)(b)**  
(A\$'000)

Rank Commodity	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Top merchandise exports</b>					
<b>Total merchandise exports</b>	<b>22,700,011</b>	<b>21,245,138</b>	<b>20,506,749</b>	<b>-3.5</b>	<b>8.8</b>
1 321 Coal	3,563,187	4,058,976	4,527,715	11.5	13.7
2 971 Gold	7,962,492	4,943,335	2,546,390	-48.5	24.9
3 222 Oil-seeds & oleaginous fruits, soft	1,116,683	1,558,838	1,023,147	-34.4	6.0
4 112 Alcoholic beverages	595,573	625,634	662,727	5.9	1.4
5 951 Gold coin & legal tender coin	589,970	409,421	497,674	21.6	1.7
6 542 Medicaments (incl veterinary)	289,351	330,222	465,983	41.1	7.1
7 268 Wool & other animal hair (incl tops)	320,452	408,148	448,838	10.0	11.2
8 287 Other ores & concentrates (c)	230,707	357,627	434,219	21.4	-12.8
9 872 Medical instruments (incl veterinary)	343,846	331,926	394,293	18.8	8.3
10 685 Lead	573,262	515,012	388,108	-24.6	3.7
11 792 Aircraft, spacecraft & parts	352,266	365,306	361,617	-1.0	6.6
12 899 Misc manufactured articles, nes	333,260	292,921	339,725	16.0	2.4
13 289 Precious metal ores & conc (excl gold)	297,128	242,396	295,753	22.0	5.8
14 667 Pearls & gems	348,413	276,850	292,620	5.7	-6.2
15 874 Measuring & analysing instruments	185,859	190,961	261,307	36.8	6.6
16 011 Beef, f.c.f.	301,769	267,886	255,772	-4.5	-7.9
17 541 Pharm products (excl medicaments)	228,316	219,680	254,882	16.0	15.4
18 764 Telecom equipment & parts	195,979	208,664	241,484	15.7	12.2
19 012 Meat (excl beef), f.c.f.	213,832	236,856	234,107	-1.2	-0.2
20 057 Fruit & nuts	265,966	207,484	197,220	-4.9	0.1
988 Confidential items of trade	1,017,506	1,253,224	2,127,225	..	..
<b>Top merchandise imports</b>					
<b>Total merchandise imports</b>	<b>53,848,208</b>	<b>54,859,947</b>	<b>61,075,375</b>	<b>11.3</b>	<b>4.1</b>
1 781 Passenger motor vehicles	6,773,195	6,671,849	5,819,522	-12.8	3.9
2 542 Medicaments (incl veterinary)	5,748,225	5,055,884	4,850,341	-4.1	-1.9
3 541 Pharm products (excl medicaments)	2,533,481	2,659,222	2,893,525	8.8	14.1
4 782 Goods vehicles	984,126	1,258,482	1,965,667	56.2	12.7
5 723 Civil engineering equipment & parts	720,946	995,927	1,490,630	49.7	7.3
6 874 Measuring & analysing instruments	1,072,678	1,086,371	1,292,561	19.0	2.3
7 744 Mechanical handling equip & parts	1,035,598	1,013,864	1,212,458	19.6	3.0
8 728 Specialised machinery & parts	834,992	970,335	1,177,288	21.3	5.4
9 112 Alcoholic beverages	963,267	993,955	1,150,616	15.8	5.6
10 553 Perfumery & cosmetics (excl soap)	769,376	833,813	983,192	17.9	8.6
11 716 Rotating electric plant & parts	469,772	520,191	978,421	88.1	2.3
12 899 Misc manufactured articles, nes	986,510	954,388	944,474	-1.0	2.1
13 872 Medical instruments (incl veterinary)	824,419	762,027	879,961	15.5	6.2
14 334 Refined petroleum	65,140	66,532	866,716	..	49.8
15 784 Vehicle parts & accessories	718,052	754,914	850,888	12.7	3.9
16 764 Telecom equipment & parts	779,756	727,225	831,534	14.3	3.9
17 743 Pumps (excl liquid pumps) & parts	697,773	673,321	812,017	20.6	-10.0
18 792 Aircraft, spacecraft & parts	955,804	665,020	801,108	20.5	77.0
19 775 Household-type equipment, nes	663,935	716,887	748,394	4.4	6.6
20 772 Electrical circuits equipment	573,820	609,331	721,509	18.4	1.9
988 Confidential items of trade	355,542	763,593	662,396	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

for more information and a list of the commodities excluded.

(c) Mainly *Manganese and Zinc ores & concentrates*.

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 66: AUSTRALIA'S MERCHANDISE TRADE WITH EUROPEAN UNION 28 (a)(b)**  
(A\$'000)

Rank Commodity	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Top merchandise exports</b>					
<b>Total merchandise exports</b>	<b>20,264,839</b>	<b>17,425,842</b>	<b>17,594,666</b>	<b>1.0</b>	<b>8.9</b>
1 321 Coal	3,318,180	3,885,646	4,365,962	12.4	13.9
2 971 Gold	7,043,173	2,855,373	1,635,011	-42.7	33.0
3 222 Oil-seeds & oleaginous fruits, soft	1,116,680	1,558,824	1,023,141	-34.4	6.0
4 112 Alcoholic beverages	587,446	615,050	652,087	6.0	1.6
5 951 Gold coin & legal tender coin	562,401	393,950	483,902	22.8	0.9
6 268 Wool & other animal hair (incl tops)	316,648	404,840	443,263	9.5	11.4
7 287 Other ores & concentrates (c)	223,842	357,627	434,219	21.4	-12.3
8 872 Medical instruments (incl veterinary)	336,699	324,343	387,184	19.4	9.1
9 685 Lead	568,404	510,736	383,585	-24.9	3.5
10 792 Aircraft, spacecraft & parts	342,736	355,835	341,904	-3.9	8.5
11 899 Misc manufactured articles, nes	320,491	285,433	326,589	14.4	2.0
12 542 Medicaments (incl veterinary)	199,086	216,680	312,227	44.1	2.3
13 289 Precious metal ores & conc (excl gold)	297,128	242,335	295,753	22.0	6.2
14 667 Pearls & gems	337,532	266,672	264,484	-0.8	-7.3
15 874 Measuring & analysing instruments	173,128	173,946	244,664	40.7	6.9
16 764 Telecom equipment & parts	189,202	194,970	233,320	19.7	12.2
17 541 Pharm products (excl medicaments)	220,972	203,901	232,925	14.2	14.9
18 011 Beef, f.c.f.	273,136	242,164	232,358	-4.0	0.6
19 057 Fruit & nuts	249,930	192,950	186,224	-3.5	1.3
20 012 Meat (excl beef), f.c.f.	151,724	176,071	180,151	2.3	3.6
988 Confidential items of trade	659,314	826,746	1,244,686	..	..
<b>Top merchandise imports</b>					
<b>Total merchandise imports</b>	<b>48,993,885</b>	<b>50,032,529</b>	<b>55,542,333</b>	<b>11.0</b>	<b>4.5</b>
1 781 Passenger motor vehicles	6,757,162	6,655,918	5,810,717	-12.7	3.9
2 542 Medicaments (incl veterinary)	4,979,235	4,262,953	4,108,708	-3.6	-2.5
3 541 Pharm products (excl medicaments)	2,253,199	2,403,951	2,555,129	6.3	13.1
4 782 Goods vehicles	924,596	1,178,631	1,893,115	60.6	12.4
5 723 Civil engineering equipment & parts	711,459	983,383	1,471,089	49.6	7.2
6 874 Measuring & analysing instruments	980,281	982,679	1,189,886	21.1	2.5
7 744 Mechanical handling equip & parts	1,021,109	997,203	1,183,851	18.7	2.9
8 112 Alcoholic beverages	957,853	988,712	1,144,732	15.8	5.6
9 728 Specialised machinery & parts	784,255	930,268	1,115,239	19.9	6.1
10 716 Rotating electric plant & parts	455,858	506,243	961,246	89.9	2.4
11 553 Perfumery & cosmetics (excl soap)	747,295	806,722	942,322	16.8	8.3
12 334 Refined petroleum	60,752	62,180	841,294	..	49.5
13 784 Vehicle parts & accessories	702,606	734,389	828,027	12.8	3.7
14 764 Telecom equipment & parts	759,388	700,258	802,864	14.7	3.9
15 743 Pumps (excl liquid pumps) & parts	662,758	629,233	778,965	23.8	-10.6
16 872 Medical instruments (incl veterinary)	678,639	647,447	769,370	18.8	6.0
17 775 Household-type equipment, nes	609,339	652,587	688,729	5.5	7.0
18 899 Misc manufactured articles, nes	668,030	685,910	673,446	-1.8	3.4
19 772 Electrical circuits equipment	523,540	560,399	669,660	19.5	2.6
20 778 Electrical machinery & parts, nes	505,142	566,679	632,807	11.7	4.4
988 Confidential items of trade	288,489	662,383	513,118	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

for more information and a list of the commodities excluded.

(c) Mainly *Manganese and Zinc ores & concentrates*.

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 67: AUSTRALIA'S MERCHANDISE TRADE WITH OCEANIA & ANTARCTICA (a)(b)**  
(A\$'000)

Rank Commodity	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Top merchandise exports</b>					
<b>Total merchandise exports</b>	<b>11,724,317</b>	<b>12,131,872</b>	<b>13,289,720</b>	<b>9.5</b>	<b>3.2</b>
1 285 Aluminium ores & conc (incl alumina)	205,220	264,737	393,105	48.5	403.8
2 764 Telecom equipment & parts	243,096	260,059	348,038	33.8	19.3
3 752 Computers	256,606	357,243	341,795	-4.3	12.7
4 041 Wheat	290,059	286,969	333,758	16.3	0.9
5 542 Medicaments (incl veterinary)	293,945	307,181	332,911	8.4	4.4
6 872 Medical instruments (incl veterinary)	323,040	351,635	323,369	-8.0	11.3
7 098 Edible products & preparations, nes	283,541	259,555	300,311	15.7	3.7
8 553 Perfumery & cosmetics (excl soap)	212,607	245,394	276,382	12.6	13.5
9 333 Crude petroleum	236,391	118,388	255,420	115.7	-19.0
10 641 Paper & paperboard	235,644	215,071	245,271	14.0	6.4
11 784 Vehicle parts & accessories	192,433	226,249	238,486	5.4	7.1
12 048 Cereal preparations	181,077	202,511	212,447	4.9	3.4
13 723 Civil engineering equipment & parts	207,286	182,662	212,206	16.2	-4.2
14 012 Meat (excl beef), f.c.f.	164,344	183,220	197,065	7.6	7.9
15 112 Alcoholic beverages	150,919	165,629	188,607	13.9	7.6
16 699 Manufactures of base metal, nes	157,113	175,401	183,135	4.4	6.3
17 081 Animal feed	171,194	189,646	182,513	-3.8	-1.7
18 321 Coal	103,203	133,618	180,030	34.7	23.5
19 892 Printed matter	195,798	166,725	162,079	-2.8	-0.7
20 893 Plastic articles, nes	153,993	155,684	158,977	2.1	2.6
988 Confidential items of trade	243,107	247,356	445,143	..	..
<b>Top merchandise imports</b>					
<b>Total merchandise imports</b>	<b>11,434,952</b>	<b>11,419,179</b>	<b>11,742,463</b>	<b>2.8</b>	<b>0.7</b>
1 971 Gold	3,185,606	3,277,953	3,524,469	7.5	6.7
2 333 Crude petroleum	1,137,597	1,063,778	1,175,325	10.5	-14.2
3 098 Edible products & preparations, nes	820,971	787,244	909,314	15.5	21.6
4 122 Tobacco, manufactured	561,216	507,779	459,598	-9.5	11.6
5 112 Alcoholic beverages	394,298	383,488	379,443	-1.1	-0.2
6 024 Cheese & curd	267,186	311,448	258,940	-16.9	9.3
7 023 Butter	116,076	195,644	255,523	30.6	29.5
8 248 Wood, simply worked	200,706	189,762	189,124	-0.3	-2.1
9 022 Milk, cream, whey & yoghurt	81,058	168,408	176,896	5.0	14.9
10 048 Cereal preparations	182,565	183,155	172,655	-5.7	-0.6
11 034 Fish, f.c.f.	152,029	149,647	148,990	-0.4	1.1
12 057 Fruit & nuts	181,210	168,165	148,580	-11.6	6.2
13 893 Plastic articles, nes	142,565	141,966	147,549	3.9	-1.2
14 111 Non-alcoholic beverages, nes	96,602	119,897	124,951	4.2	6.0
15 542 Medicaments (incl veterinary)	107,629	99,402	122,399	23.1	1.5
16 056 Vegetables, prepared or preserved	110,081	114,479	116,413	1.7	0.2
17 741 Heating & cooling equipment & parts	107,376	118,639	115,349	-2.8	2.5
18 641 Paper & paperboard	137,860	125,942	105,375	-16.3	0.2
19 017 Meat, prepared or preserved	103,582	99,857	104,350	4.5	6.5
20 251 Pulp & waste paper	81,106	83,997	94,545	12.6	7.7
988 Confidential items of trade	81,829	185,796	71,840	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 68: AUSTRALIA'S MERCHANDISE TRADE WITH OECD (a)(b)**  
(A\$'000)

Rank Commodity	2016	2017	2018	% growth	
				2017 to 2018	5 year trend
<b>Top merchandise exports</b>					
<b>Total merchandise exports</b>	<b>100,658,844</b>	<b>110,593,563</b>	<b>126,322,652</b>	<b>14.2</b>	<b>3.8</b>
1 321 Coal	20,784,799	27,670,069	31,015,182	12.1	8.5
2 343 Natural gas	11,272,000	15,079,016	23,317,004	54.6	6.2
3 281 Iron ores & concentrates	8,058,618	9,479,173	9,035,606	-4.7	-10.1
4 011 Beef, f.c.f.	5,347,520	5,213,653	5,852,647	12.3	5.7
5 684 Aluminium	2,037,275	1,930,471	2,977,722	54.2	5.7
6 971 Gold	8,400,176	5,233,935	2,837,838	-45.8	20.0
7 283 Copper ores & concentrates	1,913,656	1,564,507	2,206,844	41.1	-0.4
8 012 Meat (excl beef), f.c.f.	1,744,861	1,970,144	2,061,645	4.6	12.5
9 287 Other ores & concentrates (c)	1,263,681	1,517,284	1,745,747	15.1	-4.7
10 792 Aircraft, spacecraft & parts	1,561,289	1,410,087	1,617,252	14.7	7.2
11 112 Alcoholic beverages	1,470,447	1,500,698	1,571,208	4.7	1.8
12 541 Pharm products (excl medicaments)	960,833	1,012,732	1,464,717	44.6	42.8
13 872 Medical instruments (incl veterinary)	1,128,868	1,225,014	1,223,850	-0.1	6.6
14 222 Oil-seeds & oleaginous fruits, soft	1,261,557	1,671,433	1,168,856	-30.1	3.3
15 542 Medicaments (incl veterinary)	915,082	929,668	1,116,806	20.1	-6.6
16 333 Crude petroleum	944,857	856,765	995,321	16.2	2.9
17 061 Sugars, molasses & honey	1,294,905	1,615,358	969,941	-40.0	12.8
18 041 Wheat	829,824	877,611	944,137	7.6	-0.2
19 899 Misc manufactured articles, nes	819,808	841,526	925,144	9.9	9.9
20 764 Telecom equipment & parts	713,377	737,068	872,019	18.3	11.6
988 Confidential items of trade	3,582,088	3,286,935	6,194,600	..	..
<b>Top merchandise imports</b>					
<b>Total merchandise imports</b>	<b>126,945,324</b>	<b>151,217,066</b>	<b>144,161,501</b>	<b>-4.7</b>	<b>4.8</b>
1 781 Passenger motor vehicles	18,405,468	19,780,180	19,335,221	-2.2	5.2
2 334 Refined petroleum	6,622,708	8,653,681	10,369,491	19.8	6.2
3 542 Medicaments (incl veterinary)	6,857,102	6,262,925	6,219,259	-0.7	-1.3
4 782 Goods vehicles	2,888,848	3,387,813	4,846,848	43.1	8.4
5 541 Pharm products (excl medicaments)	3,328,672	3,713,217	4,116,790	10.9	15.6
6 723 Civil engineering equipment & parts	2,134,901	2,687,463	3,768,545	40.2	4.4
7 764 Telecom equipment & parts	2,646,887	2,679,394	2,971,304	10.9	4.6
8 971 Gold	3,707,412	3,169,567	2,926,022	-7.7	15.4
9 874 Measuring & analysing instruments	2,487,614	2,379,194	2,714,033	14.1	1.6
10 872 Medical instruments (incl veterinary)	2,366,289	2,259,945	2,542,387	12.5	7.6
11 792 Aircraft, spacecraft & parts	2,775,238	2,628,037	2,167,702	-17.5	76.4
12 784 Vehicle parts & accessories	1,999,123	2,014,346	2,095,862	4.0	1.8
13 098 Edible products & preparations, nes	1,697,456	1,600,318	1,955,319	22.2	..
14 112 Alcoholic beverages	1,792,067	1,762,967	1,951,775	10.7	3.9
15 744 Mechanical handling equip & parts	1,550,736	1,568,699	1,840,933	17.4	1.7
16 553 Perfumery & cosmetics (excl soap)	1,509,197	1,578,556	1,815,009	15.0	9.4
17 778 Electrical machinery & parts, nes	1,650,381	1,764,455	1,802,002	2.1	4.2
18 899 Misc manufactured articles, nes	1,828,042	1,772,222	1,762,926	-0.5	4.5
19 728 Specialised machinery & parts	1,338,297	1,439,117	1,738,773	20.8	3.0
20 743 Pumps (excl liquid pumps) & parts	1,660,753	1,417,731	1,616,182	14.0	-13.4
988 Confidential items of trade	2,440,650	3,703,979	3,968,525	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website (<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

for more information and a list of the commodities excluded.

(c) Mainly *Manganese and Zinc ores & concentrates*.

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

**TABLE 69: AUSTRALIA'S MERCHANDISE TRADE WITH ALL ECONOMIES (a)(b)**  
(A\$'000)

Rank	Commodity	2016	2017	2018	% growth	
					2017 to 2018	5 year trend
<b>Top merchandise exports</b>						
<b>Total merchandise exports (c)</b>		<b>259,069,000</b>	<b>301,981,000</b>	<b>345,342,000</b>	<b>14.4</b>	<b>5.2</b>
1	321 Coal	42,270,413	57,131,573	66,854,902	17.0	11.9
2	281 Iron ores & concentrates	53,756,905	63,104,118	63,277,291	0.3	-1.5
3	343 Natural gas	17,911,648	25,618,363	43,298,400	69.0	20.8
4	971 Gold	18,856,672	17,619,590	19,137,091	8.6	7.9
5	285 Aluminium ores & conc (incl alumina)	6,459,670	8,425,563	11,340,835	34.6	12.0
6	011 Beef, f.c.f.	7,400,840	7,450,650	8,660,737	16.2	5.1
7	333 Crude petroleum	4,750,365	5,246,197	8,097,308	54.3	-7.9
8	283 Copper ores & concentrates	4,713,782	4,789,855	5,995,598	25.2	1.0
9	012 Meat (excl beef), f.c.f.	3,573,216	4,271,744	4,822,567	12.9	8.7
10	684 Aluminium	3,340,776	3,453,174	4,367,476	26.5	0.8
11	041 Wheat	4,853,312	6,062,434	4,068,010	-32.9	-5.9
12	268 Wool & other animal hair (incl tops)	3,023,329	3,658,818	3,933,850	7.5	10.0
13	287 Other ores & concentrates (d)	2,802,966	2,644,860	3,497,919	32.3	-9.2
14	682 Copper	3,115,229	2,986,983	3,312,109	10.9	-2.6
15	112 Alcoholic beverages	2,520,862	2,891,784	3,244,687	12.2	10.6
16	334 Refined petroleum	2,182,783	2,390,777	3,045,964	27.4	0.3
17	098 Edible products & preparations, nes	2,368,500	2,893,153	2,822,257	-2.5	28.2
18	542 Medicaments (incl veterinary)	2,176,356	2,246,497	2,457,988	9.4	-3.2
19	263 Cotton	1,618,158	2,112,078	2,455,182	16.2	0.7
20	541 Pharm products (excl medicaments)	1,308,011	1,231,314	2,290,673	86.0	37.3
		6,074,038	7,354,682	8,042,218	..	..
<b>Top merchandise imports</b>						
<b>Total merchandise imports (c)</b>		<b>267,035,000</b>	<b>288,218,000</b>	<b>317,208,000</b>	<b>10.1</b>	<b>3.8</b>
1	334 Refined petroleum	14,861,215	19,161,805	25,265,645	31.9	4.4
2	781 Passenger motor vehicles	21,402,774	22,810,401	22,411,077	-1.8	5.4
3	764 Telecom equipment & parts	11,970,067	12,784,039	14,400,280	12.6	9.3
4	333 Crude petroleum	7,965,100	9,493,489	13,789,966	45.3	-11.6
5	782 Goods vehicles	7,535,478	8,814,349	10,683,553	21.2	11.5
6	752 Computers	7,348,690	8,244,620	9,686,017	17.5	5.5
7	542 Medicaments (incl veterinary)	7,617,191	7,112,709	7,202,845	1.3	-1.4
8	971 Gold	7,467,941	6,220,308	6,384,575	2.6	9.8
9	821 Furniture, mattresses & cushions	4,274,421	4,257,865	4,874,615	14.5	7.7
10	723 Civil engineering equipment & parts	2,571,524	3,340,130	4,812,107	44.1	5.9
11	541 Pharm products (excl medicaments)	3,608,696	4,024,984	4,580,155	13.8	14.9
12	778 Electrical machinery & parts, nes	3,315,258	3,577,219	3,818,463	6.7	6.6
13	893 Plastic articles, nes	3,225,962	3,397,315	3,805,685	12.0	9.0
14	775 Household-type equipment, nes	3,221,701	3,385,752	3,535,518	4.4	7.6
15	894 Prams, toys, games & sporting goods	3,134,508	3,276,959	3,477,219	6.1	6.4
16	874 Measuring & analysing instruments	3,185,118	3,023,139	3,405,806	12.7	2.4
17	872 Medical instruments (incl veterinary)	3,066,337	2,987,375	3,384,629	13.3	9.3
18	741 Heating & cooling equipment & parts	4,019,952	3,040,326	3,174,696	4.4	-5.0
19	845 Other textile clothing	2,828,718	2,913,190	3,081,354	5.8	7.9
20	699 Manufactures of base metal, nes	2,713,574	2,718,360	3,070,996	13.0	5.3
	988 Confidential items of trade	2,441,327	5,139,892	5,682,741	..	..

(a) Rank based on 2018. (b) May exclude selected confidential export and import commodities. Refer to the DFAT website

(<http://dfat.gov.au/about-us/publications/trade-investment/Pages/dfat-adjustments-to-abs-official-trade-data.aspx>)

for more information and a list of the commodities excluded. (c) Balance of payments basis. (d) Mainly Manganese and Zinc ores & concentrates.

(d) Mainly *Manganese and Zinc ores & concentrates*.

Based on ABS trade data on DFAT STARS database (ABS catalogue 5368.0) and unpublished ABS data.

# Technical appendices

# APPENDIX A – EXPLANATORY NOTES

## Introduction

*Composition of Trade 2018* provides details of Australia's goods and services trade, export markets, and sources of imports for the years 2016 to 2018 and in selected tables from 2013.

This publication is divided into two major segments. The first part examines Australia's trade in goods and services on a balance of payments basis. It consists of three sections – **Section 1** provides summary data on Australia's trade in goods and services showing current price values, chain volume measures, movements in export and import prices and the terms of trade. Also included is a commodity ranking for goods and services. **Section 2** shows Australia's direction of goods and services trade, including ranking tables. **Section 3** provides Australia's composition of services trade by type of activity and direction of services trade.

Part two examines Australia's merchandise trade on a recorded trade basis. It consists of four sections – **Section 4** shows Australia's merchandise trade by level of processing, including data on Australian produced exports. **Section 5** provides commodity rankings for Australia's merchandise trade, exports and imports. **Section 6** provides a ranking of Australia's merchandise trade by economy and data on selected groups. **Section 7** gives the top 20 commodity exports and imports details for Australia's top 25 merchandise trading partners, regions and selected economic groups.

This publication should be used in conjunction with DFAT'S time series trade data products available on the [DFAT website](#) in Microsoft Excel format. The website contains the following products.

- i) Three MS Excel time series spreadsheets covering:
  - a. Australia's direction of goods and services – all economies, regions and economic groups;
  - b. Australia's trade and economic indicators – historical data and;
  - c. Australia's direction of merchandise trade – historical data.
- ii) Three MS Excel Pivot tables:
  - Australia's merchandise exports and imports by all economies, all State and Territories and selected groups by SITC at the 3-digit level;
  - Australia's merchandise exports and imports by all economies, all State and Territories and selected groups by DFAT's TRIEC at the 1-, 2-, 3- and 4-digit levels and;
  - Australia's merchandise exports and imports at the most detailed level available by AHECC at the 8-digit level and HTISC at the 10-digit level – commodity detail only.

## Data sources

The trade data on a balance of payments basis in Sections 1, 2, and 3 and the chain volume and price index data has been sourced from the Balance of Payments and International Investment Position Australia, March quarter 2019 (ABS catalogue 5302.0). The partner economy services data was sourced from the International Trade: Supplementary Information, calendar year, 2018 (ABS catalogue 5368.0.55.003/4).

The merchandise trade statistics used to compile this publication are derived by the Australian Bureau of Statistics (ABS) from information provided to the Department of Immigration and Border Protection by

exporters and importers. ABS editing procedures frequently lead to revisions of previously published trade data and may occur for up to seven months after the reference period. Most of these revisions occur in the first month after the reference period.

DFAT uses merchandise trade data published three months after the reference period as a close proxy for final trade data for this period. ABS monthly merchandise trade data as at March 2019 have been used for the 2018 reference year.

This allows DFAT to release its trade publications (and associated country/economic fact sheets) in a more timely fashion, and on a more consistent basis, than awaiting the release of the final trade data for 2018, seven months after the reference period. The minor revisions to the current reference period published after this point will be incorporated in the next calendar year issue of this publication.

## DFAT adjustment to official ABS merchandise trade statistics

DFAT has made a number of adjustments to the official trade statistics as published by the ABS. Please refer to *Appendix G* in this publication for more information.

## Confidential data in ABS trade statistics

### ***Merchandise trade***

To avoid divulging commercially sensitive details of individual firms, the ABS restricts release of statistics on certain commodities. Such details are aggregated into a 'dump' item (SITC code 988) or (TRIEC code 3041) in most tables. *Appendices D and E* list the restrictions applied to confidential export items and the countries most affected. It is worth noting that commodities are frequently added to the confidential list, e.g. as cotton was in August 2017. In such cases the value shown for trade in aggregates containing these items will show a decrease.

### ***Exports June 2013 to present***

The ABS announced that it had changed the method used in confidentialising data for merchandise exports from the month of June 2013 onwards. Export data commodities that have the confidentiality restrictions of "No commodity details" or "No value details" are now aggregated into a single confidential country code.

For export data prior to June 2013, these data were added back into the appropriate country totals (i.e. these totals show the correct level of trade). From June 2013 the confidential data are not being added back into the appropriate country totals. Instead they are published as "No country details" in total Australian export data.

As a result, the values of exports by partner economy are understated in aggregate by the following amounts: \$3.7 billion in 2013, \$5.8 billion in 2014; \$6.0 billion in 2015, \$6.0 billion in 2016, \$5.8 billion in 2017 and \$4.7 billion in 2018.

Given the importance of accurate trade data, DFAT has been working with the ABS to find a solution which will allow accurate partner country export/import totals on a financial and calendar year basis to be published while maintaining business confidentiality. As a result, the ABS was able to provide calendar and financial year export and import totals to DFAT for selected trading partners for the periods affected as an unpublished dataset.

However, the ABS was not able to provide actual export and import totals for all economies (refer to *Appendix G* for a list of economies that were provided by the ABS). As a result, the values of exports to selected partner economies are understated in aggregate from June 2013 onwards.

### **Imports September 2008 to present**

The ABS announced that it had changed the method used in confidentialising data for merchandise imports from the month of September 2008 onwards. Import data commodities that have the confidentiality restrictions of "No commodity details" or "No value details" are now aggregated into a single confidential country code.

For import data prior to September 2008, these data were added back into the appropriate country totals (i.e. these totals show the correct level of trade). From September 2008 the confidential data are not being added back into the appropriate country totals. Instead they are published as "No country details" in total Australian import data. Of the commodity codes affected by this change, *Aircraft, spacecraft & related parts* and *Natural gas* and would make up the most significant component.

As a result, the values of imports by partner economy are understated in aggregate by the following amounts: \$4.5 billion in 2013; \$6.8 billion in 2014; \$6.9 billion in 2015; \$2.4 billion in 2016; \$15.1 billion in 2017 and \$5.7 billion in 2018.

As with exports above the ABS has been able to release selected economy actual total imports as an unpublished dataset (refer to **Appendix G** for a list of economies that were provided by the ABS). As a result, the values of imports to selected partner economies are understated in aggregate from September 2008 onwards.

### **Lupins exports by partner country**

The value of *Lupins* exports by partner country is released by the ABS after a six-month lag. The data is automatically incorporated into the ABS merchandise trade data after this period. In this publication, *Lupins* exports for 2018 include only exports up to October 2018. Exports of *Lupins* for the period November to December 2018 are included in confidential items.

### **For further information**

To assist users of Australian trade data, the ABS publishes a monthly list of all Australian Harmonized Export Commodity Classification (AHECC) and Harmonized Tariff Item Statistical Code (HTISC) commodities with confidential restrictions in place in the publication *International Merchandise Trade: Confidential Commodities List* (ABS [catalogue 5372.0.55.001](#)). This publication is an essential reference guide for users of ABS merchandise export statistics to ensure they are interpreting the trade statistics correctly.

DFAT has also written a number of articles on confidential in ABS merchandise trade statistics. A number of these articles are updated on a regular basis. The most useful articles include:

- Confidentiality in Australian merchandise export statistics
- Impact of ABS confidential restrictions on exports of Nickel (updated annually)
- Australia's imports of aircraft & parts (updated annually)

The articles are available on the [DFAT website](#).

### **Services**

To avoid divulging commercially-sensitive details of individual firms, the ABS restricts release of statistics on certain services activities.

The ABS uses perturbation to confidentialise trade in services statistics. Using the perturbation methodology, the data will be perturbed, that is, have noise added to protect the confidential cells. For example, if a cell was deemed to be confidential the ABS would subtract a small amount from another cell or cells, to add to the confidential cell, to ensure that confidentiality was not breached. In most cases the level of perturbation is not significant and should have minimal impact on the analysis of trade in services data.

However, for *Transport services* the perturbation methodology could not be applied due to the small number of businesses in this sector. As a result, only a limited number of series can be published.

## Recorded trade basis vs BOP basis

The data on merchandise trade in this publication are measured on a recorded trade basis, based upon quantities and values of goods measured as they cross the Australian customs frontier. They can differ from data presented under the balance of payments (BOP) basis in terms of coverage, valuation and timing. The following table shows the differences between goods data on a BOP basis and merchandise trade data on a recorded trade basis.

### Australia's goods trade

#### Recorded trade basis vs Balance of payments (BOP) basis

	2016 A\$m	2017 A\$m	2018 A\$m
<b>Exports</b>			
Recorded trade basis	258,469	301,336	344,514
BOP adjustments	600	645	828
<b>Balance of payments basis</b>	<b>259,069</b>	<b>301,981</b>	<b>345,342</b>
<b>Imports</b>			
Recorded trade basis	254,368	288,318	304,213
BOP adjustments	12,667	-100	12,995
<b>Balance of payments basis</b>	<b>267,035</b>	<b>288,218</b>	<b>317,208</b>
<b>Balance on goods trade</b>			
Recorded trade basis	4,101	13,018	40,301
BOP adjustments	-12,067	745	-12,167
<b>Balance of payments basis</b>	<b>-7,966</b>	<b>13,763</b>	<b>28,134</b>

Based on ABS trade data on DFAT STARS database & ABS catalogue 5368.0.

The large differences for imports is mainly caused by low-valued imports (refer to DFAT's *Low value threshold goods* article in this publication for more information) and an ABS adjustment to capital goods which Australia has taken ownership of but have not yet crossed the customs frontier.

Please note that in this publication total exports and imports of goods are shown on a BOP basis, while the accompany time series trade pivot tables are shown on a recorded trade basis. This means that share data calculated from the pivot tables will be different to those published in this publication.

## Commodity classification

### **Balance of payments – goods**

Australia's BOP statistics are compiled in accordance with the latest international standards determined by the International Monetary Fund, and published in *Balance of Payments and International Investment Position Manual*, Sixth edition, 2008 (BPM6).

Exports of goods in Australia's BOP are classified into three major components: *General merchandise*, *Net exports of goods under merchanting* and *Non-monetary gold*. For the *General merchandise* component, the underlying classification scheme for exports is the United Nations' Standard International Trade - Classification (SITC Rev4). The classification is broken down into *Rural goods* (with four underlying series) and *Non-rural goods* (with nine underlying series).

Imports of goods in Australia's BOP are classified into two major components: *General merchandise* and *Non-monetary gold*. For *General merchandise* imports are broken into three 'end use' categories –

*Consumption goods, Capital goods and Intermediate and other goods*, in accordance with the United Nations' Classification by Broad Economic Categories (BEC).

### **Balance of payments – Services**

Australia's BOP defines services as comprising services provided between Australian residents and non-residents, together with some transactions in goods where, by international agreement, it is not practical to separate the goods and services components (e.g. goods purchased by travellers are classified as services).

Services delivered to non-residents through a foreign branch or subsidiary, for example, services rendered to an Asian company by a branch office of an Australian legal firm in Bangkok, are not defined as a BOP transaction. However, services delivered by a parent company to a foreign-resident subsidiary are defined as international services. Any profits or dividends remitted between an enterprise in Australia and a related enterprise abroad are regarded as an income transaction, not as a service in Australia's BOP.

The ABS Extended Balance of Payments services classification (EBOP) is based on the UN publication *Manual on Statistics of International Trade in Services*. This is an extended services classification that is fully compatible with the BPM6.

In this classification, services commodities are broken down into 12 major groups: *Manufacturing services on physical inputs owned by others; Maintenance & repair; Transport; Travel; Construction; Insurance & pension; Financial; Charges for the use of intellectual property; Telecommunication, computer & information; Other business; Personal, cultural & recreational; and Government services* and around 60 detailed services commodities.

For a more detailed explanation of ABS trade in services methodology and classifications please refer to the DFAT publication, [Trade in Services Australia](#).

### **United Nation's Standard International Trade Classification**

In this publication, trade is disaggregated by two classifications: the merchandise Trade Import and Export Classification (TRIEC); and the United Nation's (UN) Standard International Trade Classification, Revision 4 (SITCr4). The United Nations SITC is a hierarchical trade commodity classification with five different levels, with the 5-digit codes aggregating to the 4-digit level and so on to the 1-digit level. SITC does not include services.

Data in this publication which have been classified according to SITCr4 are shown at the Group (3-digit) level. There are 264 categories at this level.

For more information on the UN SITCr4 classification please refer to the UN Statistics Division [website](#).

### **DFAT's Trade Import and Export Classification**

TRIEC was developed by DFAT's Economic Diplomacy & Trade Advocacy and Statistics Section (EDS) to provide information on Australia's merchandise trade by level of processing to meet specific analytical needs of the Department.

TRIEC is a secondary classification created from the Australian Bureau of Statistics (ABS) Australian Harmonized Export Commodity Classification (AHECC) at the 4-digit level (with some 6-digit codes) for exports and the Harmonized Tariff Item Statistical Code (HTISC) at the 4-digit level (with some 6-digit codes) for imports.

TRIEC is fully compatible with the International Harmonized Commodity Description and Coding System (HS) and as a result can be used to interrogate partner country merchandise trade statistics.

TRIEC broadly classifies merchandise trade into *Primary products, Manufactured products* and *Other goods* (mainly *Non-monetary gold* and *Confidential trade*). **Appendix H** lists the TRIEC classification codes and descriptors

### Primary products

*Primary products* in most cases are used as inputs into other products (with the exception of some refined fuels and processed foods and beverages).

*Primary products* are further classified as those that have no additional processing (such as mineral ores) and those that undergo some further processing in Australia (i.e. such as beverages, frozen and preserved food products and refined minerals and fuels).

### Manufactured products

*Manufactured products* are further classified as either 'Simply transformed' (*STM*) or 'Elaborately transformed' (*ETM*):

- *STM* consist mainly of basic metal manufactures, chemicals and other intermediate manufactured goods which will be used as inputs into other goods; and
- *ETM* are defined as products with unique features which permit their identification as differentiated products on world markets, i.e. 'finished goods'. *ETM* comprise the bulk of world trade in manufactures.

Although there are inevitably some items for which the distinction between *STM* and *ETM* may seem rather arbitrary, the overall distinction between *STM* and *ETM* provides an important basis for analysing the performance of Australia's manufactured trade.

With the update to HS2017 DFAT has been able to better split unprocessed and processed seafood (TRIEC codes 1112 & 1212). However the changes could only be applied back to January 2012. As a result there is a time series break in the data between December 2011 and January 2012.

The changes resulted in a reduction in both Australian exports and imports of unprocessed seafood and an increase in processed seafood.

Between 2011 and 2012 the time series break for Australian exports is valued at around -\$75 million for unprocessed seafood (code 1112) and +\$75 million for processed seafood (code 1212). For imports the time series break is around -\$140 million for unprocessed seafood (code 1112) and +\$140 million for processed seafood (code 1212).

More information on the TRIEC classification can be found on the [DFAT website](#).

### **Ranking of goods and services**

See *Appendix F* for the methodology and issues with ranking combined ABS goods and services data.

## Valuation

### **Merchandise trade**

Exports: Valued at the *free-on-board* (f.o.b.) basis at the Australian port-of-shipment. Charges for distributive services provided beyond the customs frontier are not included (e.g. international freight and insurance charges).

Imports: Valued at the *Australian Customs Value* for Australian data. This is based on the price actually paid, provided the buyer and seller are independent, on a f.o.b. basis, i.e. charges and expenses involved in delivering the goods from the place of exportation to Australia are excluded.

### **Services trade**

Services statistics are based on market price for both credit (export) and debit (import) entries. This is in accordance with the latest international standards determined by the International Monetary Fund and published in the BPM6.

## Economy

Data for a particular economy or group are given on a basis consistent with the composition as at the end of the reference period for this publication (in this issue, December 2018).

For exports, 'economy' refers to the final destination as reported by exporters. It is understood, however, that exporters may not know the economy of final destination of their goods at the time they are shipped. This applies particularly to goods directed through entrepôts such as Singapore, Hong Kong (SAR of China), and major European ports, with a consequent overstating of Australia's exports to these economies and corresponding understatement of exports to economies 'down stream' from them. For imports, 'economy' refers to the economy of origin of the goods, which is defined as the economy of production for customs purposes.

The geographic groups are based on the ABS Standard Australian Classification of Countries (SACC), 2011 (ABS [catalogue 1269.0](#)), with a few minor exceptions. Turkey is included in Europe not the Middle East as recommended in the SACC, Bermuda is included in the Caribbean not North America. These exceptions allow goods and services data to be added together on a consistent basis.

The Pacific Islands group was created for departmental needs and consists of the following SACC economies and minor economy group codes: Australia (SACC code 1101), Norfolk Island (1102), New Zealand (1201), Melanesia (13), Micronesia (14) and Polynesia (excl Hawaii) (15).

Regions and economy groups are detailed in *Appendix B*.

### **Implications of G20 membership for data analysis**

Users should exercise care in interpreting the data. Particular care should be taken as France, Germany, Italy and the United Kingdom are members of the G20 and also the EU28. Accordingly, there is a danger of double-counting data from these members. As such the G20 total in the data tables is not the sum of each of the members' data as this will constitute double-counting of France, Germany, Italy and the United Kingdom. The G20 total is the sum of the EU28 plus other members (excepting France, Germany, Italy and the United Kingdom).

### **Merchandise trade**

Although not members of APEC, Puerto Rico and the US Virgin Islands have been included in the APEC United States' total as they are regarded by the United States as part of its customs zone. When the United States reports its total exports it includes exports from these two self-governing territories. This change was made to make Australian and United States data more consistent.

### **Services trade**

Data from 2009 to August 2013 refers to the European Union 27. From July 2013 data refers to the European Union 28.

The OECD includes Chile from March 2010; Israel and Slovenia from July 2010; Estonia from October 2010 and Latvia and Lithuania from July 2018.

## Australian produced exports

In line with UN recommendations total exports are defined to include *re-exports*, which are 'goods, materials or articles originally imported and then exported in the same condition or after having undergone only minor operations that leave them essentially unchanged'. The remainder of total exports is *Australian produced*. The distinction between the two categories has most relevance in the analysis of *Elaborately Transformed Manufactures (ETM)*, where re-exports represent a significant proportion of total exports.

In this publication, data for Total exports and Australian produced exports have been included in **Section 4 Australia merchandise trade by level of processing**.

## Forecasts of cane sugar exports

For many years, export trade data for *Raw cane sugar* and *Non-industrial diamonds* has been excluded from the monthly merchandise trade data set published by the Australian Bureau of Statistics (ABS), and only separately released on a quarterly basis. The diamond data is available up to the most recent quarter, although the *Raw cane sugar* data is released after a six month lag. In this publication ABS actual *Raw cane sugar* data was available up to the September quarter 2018.

DFAT statistical products now incorporate the export data for *Raw cane sugar* and *Non-industrial diamonds* into its calendar and financial year tables. This provides a more complete trade data set for enhancing trade data analysis.

To overcome the data lag for *Raw cane sugar* exports, DFAT has estimated data for the December quarter 2018 for these exports using data from the Australian Bureau for Agricultural and Resources Economics and Sciences (ABARES) and partner-country import data from Australia's major *Raw cane sugar* export markets.

## Tourism Satellite Account

A satellite account provides an expansion of Australia's national accounts for a selected area of interest, in this case tourism. The Tourism Satellite Account (TSA) provides a means by which the economic aspects of tourism (including cross border activity) can be analysed separately from the main national accounts.

The concepts used in Australia's TSA are based on international standards set out in the United Nations World Tourism Organization – *The Tourism Satellite Account Recommended Methodological Framework 2008*.

The term 'tourism' in these international standards is not restricted to leisure activity. It also includes travel for business, education and other reasons. The central statistical entity in these tourism statistics is the 'visitor'. The standards define a visitor as a traveller taking a trip to a destination outside their usual environment for less than one year for any purpose other than to be employed by the resident country or place visited.

For more information regarding the TSA please refer to the ABS publication: *Tourism Satellite Account, Australian National Accounts* (ABS [catalogue 5249.0](#)).

## ABS Chain volume measures

To enable analysis of the movements of goods and services in 'real' terms, estimates of chain volume measures are presented in Table 1 and 3 in this publication.

Estimates of 'real' growth are compiled by the ABS, using chain volume measures. Chain volume measures are derived by deflating the original current price series by specifically compiled measures of price change. The reference year for chain volume measures is the year prior to the latest complete financial year incorporated into the publication. The reference year is updated with the completion of estimates for each financial year.

Prior to the reference year, chain volume measures are not additive, in that the component chain volume measures of an aggregate will not add through to the chain volume measure of the total aggregate. For further information on chain volume measures refer to the ABS publication: *Information paper, Australian National Accounts, Introduction of Chain Volume and Price Indexes* (ABS [catalogue 5248.0](#)).

## Implicit price deflator (IPD)

The IPDs used in this publication are derived by dividing current price series by the corresponding chain volume measure.

## Terms of trade

The terms of trade shows a country's export prices relative to its import prices. A rise in the index implies an improvement in a country's terms of trade, enabling it to purchase more imports from the same amount of exports. A fall in the index implies deterioration in a country's terms of trade, requiring it to export more to purchase the same amount of imports. Movements in the terms of trade are used in assessing the changing purchasing power of exports over imports, analysing real income, and evaluating the level of consumption that can be sustained in the domestic economy.

The terms of trade are measured using the following index:

Implicit price deflator (IPD) for the export (credit) item divided by the IPD for the import (debit) item, multiplied by 100.

The IPDs are derived by dividing current price series by the corresponding chain volume measure for exports and imports.

## Trend growth rates

Trend growth is derived by log-linear regression using the least squares method. It is a more robust measure than the 'average' annual growth rate as it takes account of all observations and, as such, is less likely to be affected by the end points of a given period.

## Total trade

Total trade is the sum of exports and imports. This is a useful measurement of the overall trading relationship between Australia and its trading partners. Total trade data is useful in ranking Australia's major trading partners, without a bias towards ranking only the larger export markets, or the larger import sources.

## Balance of trade

The balance of trade is the difference between exports and imports. When exports exceed imports this is referred to as a trade surplus, when imports exceed exports this is referred to as a trade deficit.

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This publication was compiled by Julie-Anne Andrew, Frank Bingham and Olivier Brunet.

If you would like to know more about these statistics or about other trade and economic publications produced by DFAT, please email [statssection@dfat.gov.au](mailto:statssection@dfat.gov.au).

## APPENDIX B – COMPOSITION OF REGIONS AND ECONOMY GROUPS USED IN ALL DFAT TRADE STATISTICAL PUBLICATIONS

<b>Africa</b>	<b><i>Central &amp; West Africa; North Africa; Southern &amp; East Africa</i></b> Algeria; Angola; Benin; Botswana; British Indian Ocean Territory; Burkina Faso; Burundi; Cabo Verde; Cameroon; Central African Republic; Chad; Comoros; Cote D'Ivoire; Dem. Rep. of Congo; Djibouti; Egypt; Equatorial Guinea; Eritrea; Eswatini; Ethiopia; Gabon; Gambia; Ghana; Guinea; Guinea-Bissau; Kenya; Lesotho; Liberia; Libya; Madagascar; Malawi; Mali; Mauritania; Mauritius; Mayotte; Morocco; Mozambique; Namibia; Niger; Nigeria; Reunion; Republic of Congo; Rwanda; Sao Tome & Principe; Senegal; Seychelles; Sierra Leone; Somalia; South Africa; South Sudan; Sudan; St Helena; Tanzania; Togo; Tunisia; Uganda; Western Sahara, Zambia; Zimbabwe.
<b>Antarctica</b>	Antarctica; Australian Antarctic Territory; British Antarctic Territory; French Southern & Antarctic Territories; Ross Dependency.
<b>Americas</b>	<b><i>Caribbean; Central America; North America; South America</i></b> Anguilla; Antigua & Barbuda; Argentina; Aruba; Bahamas; Barbados; Belize; Bermuda; Bolivia; Bonaire, Sint Eustatius & Saba; Brazil; Canada; Cayman Is.; Chile; Colombia; Costa Rica; Cuba; Curacao; Dominica; Dominican Republic; Ecuador; El Salvador; Falkland Is.; French Antilles; French Guiana; Grenada; Guadeloupe; Guatemala; Guyana; Haiti; Honduras; Jamaica; Martinique; Mexico; Montserrat; Nicaragua; Panama; Paraguay; Peru; Puerto Rico; Sint Maarten; St Barthelemy; St Kitts & Nevis; St Lucia; St Martin; St Pierre & Miquelon; St Vincent & Grenadines; Suriname; Trinidad & Tobago; Turks & Caicos Is.; UK Virgin Is.; US Virgin Is.; United States; Uruguay; Venezuela.
<b>APEC</b>	<b>Asia Pacific Economic Cooperation</b> Australia; Brunei; Canada; Chile; China; Hong Kong China; Indonesia; Japan; Malaysia; Mexico; New Zealand; Papua New Guinea; Peru; Philippines; Republic of Korea; Russian Federation; Singapore; Chinese Taipei; Thailand; United States (incl Puerto Rico and the US Virgin Is.); Vietnam.
<b>ASEAN</b>	<b>Association of South East Asian Nations</b> Brunei; Cambodia; Indonesia; Laos; Malaysia; Myanmar; Philippines; Singapore; Thailand; Vietnam.
<b>Asia</b>	<b><i>Central Asia; Middle East; North Asia; South East Asia; Southern Asia</i></b> Afghanistan; Armenia; Azerbaijan; Bahrain; Bangladesh; Bhutan; Brunei; Cambodia; China; Democratic People's Republic of Korea; Georgia; Hong Kong (SAR of China); India; Indonesia; Iran; Iraq; Israel; Japan; Jordan; Kazakhstan; Kuwait; Kyrgyzstan; Laos; Lebanon; Macau (SAR of China); Malaysia; Maldives; Mongolia; Myanmar; Nepal; Oman; Pakistan; Palestinian Territories; Philippines; Qatar; Republic of Korea; Saudi Arabia; Singapore; Sri Lanka; Syria; Taiwan; Tajikistan; Thailand; Timor-Leste; Turkmenistan; United Arab Emirates; Uzbekistan; Vietnam; Yemen.
<b>Cairns Group</b>	Argentina; Australia; Bolivia; Brazil; Canada; Chile; Colombia; Costa Rica; Guatemala; Indonesia; Malaysia; New Zealand; Pakistan; Paraguay; Peru; Philippines; South Africa; Thailand; Uruguay.

Caribbean	Anguilla; Antigua & Barbuda; Aruba; Bahamas; Barbados; Bermuda; Bonaire, Sint Eustatius & Saba; Cayman Is.; Cuba; Curacao; Dominica; Dominican Republic; French Antilles; Grenada; Guadeloupe; Haiti; Jamaica; Martinique; Montserrat; [Netherlands Antilles]; Puerto Rico; Sint Maarten; St Barthelemy; St Kitts & Nevis; St Lucia; St Martin; St Vincent & Grenadines; Trinidad & Tobago; Turks & Caicos Is.; UK Virgin Is.; US Virgin Is.
Central & West Africa	Benin; Burkina Faso; Cabo Verde; Cameroon; Central African Republic; Chad; Cote D'Ivoire; Dem. Rep. of Congo; Equatorial Guinea; Gabon; Gambia; Ghana; Guinea; Guinea-Bissau; Liberia; Mali; Mauritania; Niger; Nigeria; Republic of Congo; Sao Tome & Principe; Senegal; Sierra Leone; Togo.
Central America	Belize; Costa Rica; El Salvador; Guatemala; Honduras; Mexico; Nicaragua; Panama.
Central Asia	Afghanistan; Armenia; Azerbaijan; Georgia; Kazakhstan; Kyrgyzstan; Tajikistan; Turkmenistan; Uzbekistan.
East Asia	<i>North Asia; South East Asia.</i>
Eastern Europe	Belarus; Czech Republic; Estonia; Hungary; Latvia; Lithuania; Poland; Russian Federation; Slovak Republic; Ukraine.
EFTA	<b>European Free Trade Association</b> Iceland; Norway; Switzerland.
Europe	<b><i>Eastern Europe; Northern Europe; South Eastern Europe; Southern Europe; Western Europe</i></b> Aland Is.; Albania; Andorra; Austria; Belarus; Belgium; Bosnia & Herzegovina; Bulgaria; Croatia; Cyprus; Czech Republic; Denmark; Estonia; Faeroe Is.; Finland; France; FYR Macedonia; Germany; Gibraltar; Greece; Greenland; Holy See; Hungary; Iceland; Ireland; Italy; Kosovo; Latvia; Liechtenstein; Lithuania; Luxembourg; Malta; Moldova; Monaco; Montenegro; Netherlands; Norway; Poland; Portugal; Romania; Russian Federation; San Marino; Serbia; Slovak Republic; Slovenia; Spain; Sweden; Switzerland; Turkey; Ukraine; United Kingdom.
EU 27	<b>European Union 27 (01/01/2007 to 30/06/2013)</b> Austria; Belgium; Bulgaria; Cyprus; Czech Republic; Denmark; Estonia; Finland; France; Germany; Greece; Hungary; Ireland; Italy; Latvia; Lithuania; Luxembourg; Malta; Netherlands; Poland; Portugal; Romania; Slovak Republic; Slovenia; Spain; Sweden; United Kingdom.
EU 28	<b>European Union 28 (from 01/07/2013)</b> Austria; Belgium; Bulgaria; Croatia; Cyprus; Czech Republic; Denmark; Estonia; Finland; France; Germany; Greece; Hungary; Ireland; Italy; Latvia; Lithuania; Luxembourg; Malta; Netherlands; Poland; Portugal; Romania; Slovak Republic; Slovenia; Spain; Sweden; United Kingdom.
Euro area	Austria; Belgium; Cyprus; Estonia; Finland; France; Germany; Greece; Ireland; Italy; Latvia; Lithuania; Luxembourg; Malta; Netherlands; Portugal; Slovak Republic; Slovenia; Spain.
Gulf Cooperation Council	Bahrain; Kuwait; Oman; Qatar; Saudi Arabia; United Arab Emirates.
G20	<b>Group of twenty</b> Argentina; Australia; Brazil; Canada; China; European Union; France; Germany; India; Indonesia; Italy; Japan; Republic of Korea; Mexico; Russian Federation; Saudi Arabia; South Africa; Turkey; United Kingdom; United States.

<b>IORA</b>	<b>Indian Ocean Rim Association</b> Australia; Bangladesh; Comoros; India; Indonesia; Iran; Kenya; Madagascar; Malaysia; Mauritius; Mozambique; Oman; Seychelles; Singapore; South Africa; Sri Lanka; Tanzania; Thailand; United Arab Emirates; Yemen.
<b>Latin America</b>	<i>Central America; South America.</i>
<b>Middle East</b>	Bahrain; Iran; Iraq; Israel; Jordan; Kuwait; Lebanon; Oman; Palestinian Territories; Qatar; Saudi Arabia; Syria; United Arab Emirates; Yemen.
<b>NAFTA</b>	<b>North America Free Trade Agreement</b> Canada; Mexico; Puerto Rico; United States; US Virgin Is.
<b>North Africa</b>	Algeria; Egypt; [Former Sudan]; Libya; Morocco; South Sudan; Sudan; Tunisia; Western Sahara.
<b>North America</b>	Canada; St Pierre & Miquelon; United States.
<b>North Asia</b>	China; Democratic People’s Republic of Korea; Hong Kong (SAR of China); Japan; Macau (SAR of China); Mongolia; Republic of Korea; Taiwan.
<b>Northern Europe</b>	Aland Is.; Denmark; Faeroe Is.; Finland; Greenland; Iceland; Ireland; Norway; Sweden; United Kingdom.
<b>Oceania &amp; Antarctica</b>	<b><i>Antarctica; Other Oceania; Pacific Islands</i></b> American Samoa; Antarctica; Australia; Australian Antarctic Territory; British Antarctic Territory; Christmas Is.; Cocos Keeling Is.; Cook Is.; Federated States of Micronesia; Fiji; French Polynesia; French Southern & Antarctic Terr.; Guam; Heard & McDonald Is., Johnston & Sand Is.; Kiribati; Marshall Is.; Midway Is.; Nauru; New Caledonia; New Zealand; Niue; Norfolk Is.; Northern Marianas; Palau; Papua New Guinea; Pitcairn Is.; Ross Dependency; Samoa; Solomon Is.; Tokelau; Tonga; Trust Territory of Pacific Is.; Tuvalu; US Pacific Is.; Vanuatu; Wake Is.; Wallis & Futuna Is.
<b>OECD</b>	<b>Organisation for Economic Cooperation and Development</b> Australia; Austria; Belgium; Canada; Chile; Czech Republic; Denmark; Estonia; Finland; France; Germany; Greece; Hungary; Iceland; Ireland; Israel; Italy; Japan; Latvia; Lithuania; Luxembourg; Mexico; Netherlands; New Zealand; Norway; Poland; Portugal; Republic of Korea; Slovak Republic; Slovenia; Spain; Sweden; Switzerland; Turkey; United Kingdom; United States.
<b>Other Oceania</b>	Christmas Island; Cocos Keeling Islands; Heard & McDonald Islands, French Southern Territory; Johnston & Sand Islands; Midway Island; US Pacific Islands; Wake Island.
<b>Pacific Islands<sup>1</sup></b>	American Samoa; Australia; Cook Island; Federated States of Micronesia; Fiji; French Polynesia; Guam; Kiribati; Marshall Islands; Nauru; New Caledonia; New Zealand; Niue; Norfolk Island; Northern Marianas; Palau; Papua New Guinea; Pitcairn Island; Samoa; Solomon Islands; Tokelau; Tonga; Tuvalu; Vanuatu; Wallis & Futuna Islands.
<b>Pacific Islands Forum Countries</b>	Australia; Cook Islands; Federated States of Micronesia; Fiji; Kiribati; Marshall Is.; Nauru; New Zealand; Niue; Palau; Papua New Guinea; Samoa; Solomon Islands; Tonga; Tuvalu; Vanuatu.
<b>South America</b>	Argentina; Bolivia; Brazil; Chile; Colombia; Ecuador; Falkland Is.; French Guiana; Guyana; Paraguay; Peru; Suriname; Uruguay; Venezuela.

<sup>1</sup> The Pacific Islands group has been created for departmental needs and consists of the following SACC economies and minor economy group codes: Australia (SACC code 1101), Norfolk Island (1102), New Zealand (1201), Melanesia (13), Micronesia (14) and Polynesia (excl Hawaii) (15).

<b>South East Asia</b>	Brunei; Cambodia; Indonesia; Laos; Malaysia; Myanmar; Philippines; Singapore; Thailand; Timor-Leste; Vietnam.
<b>South Eastern Europe</b>	Albania; Bosnia & Herzegovina; Bulgaria; Croatia; Cyprus; FYR Macedonia; Greece; Kosovo; Moldova; Montenegro; Romania; Serbia; Slovenia; Turkey.
<b>Southern &amp; East Africa</b>	Angola; Botswana; British Indian Ocean Territories; Burundi; Comoros; Djibouti; Eritrea; Eswatini; Ethiopia; Kenya; Lesotho; Madagascar; Malawi; Mauritius; Mayotte; Mozambique; Namibia; Reunion; Rwanda; Seychelles; Somalia; South Africa; St Helena; Tanzania; Uganda; Zambia; Zimbabwe.
<b>Southern Asia</b>	Bangladesh; Bhutan; India; Maldives; Nepal; Pakistan; Sri Lanka.
<b>Southern Europe</b>	Andorra; Gibraltar; Holy See; Italy; Malta; Portugal; San Marino; Spain.
<b>Sub-Saharan Africa</b>	<i>Central &amp; West Africa; Southern &amp; East Africa.</i>
<b>Western Europe</b>	Austria; Belgium; France; Germany; Liechtenstein; Luxembourg; Monaco; Netherlands; Switzerland.

## APPENDIX C – ABBREVIATIONS AND SYMBOLS USED IN ALL DFAT TRADE STATISTICAL PUBLICATIONS

..	not meaningful
\$b	\$ billion
\$m	\$ million
ABARES	Australian Bureau of Agricultural & Resource Economics & Sciences
ABS	Australian Bureau of Statistics
adp	automatic data processing
agric	agricultural
AHECC	Australian Harmonized Export Commodity Classification
alum	aluminium
ANZSIC06	Australia and New Zealand Standard Industry Classification 2006
APEC	Asia Pacific Economic Cooperation
bev	beverage
BOP	Balance of Payments
BPM5	IMF Balance of Payments and International Investment Position Manual 5 <sup>th</sup> Edition
BPM6	IMF Balance of Payments and International Investment Position Manual 6 <sup>th</sup> Edition
chem	chemical
c.i.f.	cost, insurance and freight
comp	compounds
conc	concentrates
confid	confidential
constr	construction
consump	consumption
cont.	continued
cool	cooling
Curr Acc	Current Account
CVM	chain volume measure
Dem	Democratic
DET	Department of Education & Training
DFAT	Department of Foreign Affairs and Trade
DIIS	Department of Industry, Innovation & Science
distrib	distributing
EBOP	The ABS Extended Balance of Payments services classification
elec	electric, electrical
elem	elements
ELICOS	English Language Intensive Courses for Overseas Students
eng	engineering
equip	equipment

etc	etcetera
ETM	Elaborately transformed manufactures
EU	European Union
excl	excluding
f.c.f.	fresh, chilled or frozen
Fed	Federation
ferr	ferrous
FISIM	Financial Intermediation Services Indirectly Measured
f.o.b.	free on board
GDP	Gross Domestic Product
hand	handling
HTISC	Harmonized Tariff Item Statistical Code
HS	Harmonized Commodity Description and Coding System
ICT	Information, Communication and Technology
IIP	International Investment Position
IIS (ABS)	international Investment Survey
IMF	International Monetary Fund
IMF IFS	International Monetary Fund, International Financial Statistics
IMF WEO	International Monetary Fund, World Economic Outlook
incl	including
Ind	Independent
IP	Intellectual property
Is	Island/s
instr	instruments
insul	insulated
interm	intermediate
Int'l Waters	International Waters
IPD	implicit price deflator
IVS	International Visitors Survey
mach	machinery, machines
manuf	manufactured, manufactures
medic	medicaments
misc	miscellaneous
mmf	man-made fibres
MSITS	Manual on Statistics of International Trade in Services
na	not available
ncd	no country details
nec	not elsewhere classified
nei	not elsewhere indicated
nfd	not further defined
nie	not indicated elsewhere
nes	not elsewhere specified
np	not published
Nth	North
nya	not yet available
OECD	Organisation for Economic Cooperation and Development
pharm	pharmaceutical

photo	photographic
PPP	Purchasing Power Parity
prec	precious
prep	preparations, prepared
pres	preserved
proc	processing
prod	products
Rep	Republic
SAR of China	Special Administrative Region of China
SITC	Standard International Trade Classification
SITS	Survey of International Trade in Services
spec	specifically
Sth	South
STM	Simply transformed manufactures
struct	structures
synth	synthetic
TCI	Telecommunications, computer & information
telecom	telecommunications
TRA	Tourism Research Australia
TREC	Trade Export Classification
TRIEC	Trade Import and Export Classification
transport	transportation
TSA	Tourism Satellite Account
TWI	Trade Weighted Index
UN	United Nations
UNCTAD	United Nations Conference on Trade and Development
unmanuf	unmanufactured
USDA	United States Department of Agriculture
veg	vegetables
WTO	World Trade Organization
yoy	year on year

## APPENDIX D – CONFIDENTIAL EXPORTS IN THE SITC 988

The system used by the ABS for confidentialising foreign trade statistics is designed to maximise the release of data, without divulging details of any single firm's operations. A complex range of confidentiality provisions are applied to the data. Those of most relevance in this publication are:

- A. No details** No data for a particular commodity item is separately released. For example, the total value of non-industrial diamonds exports is only included in the confidential item dump code of 988 for all economies and world total.
- B. No economy details** Total exports of a particular commodity are available, but not for individual economies. For example, the value of liquefied natural gas exports to each economy is suppressed, but the world total is available.
- C. Selected economy details** Exports of a particular commodity to some economies are suppressed, but the value of exports to other economies, and the world total is available.

The following table lists details of confidential commodity items that can be identified separately in the SITCr4 classification:

SITC Code	Description	Restriction Type	Period
042	Rice (selected varieties)	A,B	various
045.2	Unmilled oats	B	from Jul 1993
048.3	Macaroni, spaghetti and similar products (specifically uncooked pasta)	A,B	from Oct 2008
057.79	Edible nuts nes (specifically macadamia nuts)	B, C	from Jan, 2012
061.11	Sugar (raw cane)	A	available on a quarterly basis after a 6 month lag
081.13	Lupins (incl feed for animals during a voyage)	A	latest 6 months only
098.91	Pasta cooked or stuffed; couscous (specifically couscous)	A	from Oct 2008
112.3	Beer made from malt	A,B	various
273.31	Silica and quartz sands	B	from Jul 1999
278.3	Salt	A	from Mar 2008
246.11	Coniferous wood, in chips or particles	B	from May 2013
246.15	Non-coniferous wood, in chips or particles	B	from May 2013
284.21	Nickel mattes	A	from Jul 1988
285.2	Alumina (aluminium oxide)	B, C*	from Jul 1988
286.1	Uranium ores	A#	from Aug 2009
287.70	Manganese ores & concentrates	A	from Oct 2016
287.83	Titanium ores & concentrates (eg rutile)	A#	quantity data released on a 6 month basis
287.84	Zirconium ores & concentrates	A#	various
287.99	Base metal ores & concentrates nes	A#	from Jul 2000
288.10	Slag, ash and residues ( specifically tantalum glass)	A#	from Jan 2002
292.94	Vegetable saps and extracts	A	from Sep 2002

SITC Code	Description	Restriction Type	Period
321.21	Bituminous coal, not agglomerated (specifically semi coking coal)	C	Various to Aug-2012
333	Crude petroleum (China, India and Japan from July 2013; Malaysia and Korea from November 2013)	C	Various from July 2013
335.21	Tar distilled from coal, lignite or peat	A	from Oct 2011
335.25	Oils and other products (specifically Naphthalene)	A	from Mar 2003
343.1	Liquefied natural gas	B	from Aug 1995
421.29	Cotton-seed oil & its fractions	A	from Jul 2011
511.25	Styrene	A	from Oct 1999
511.22	Benzene, chemically or commercially pure	A	from Feb 2011
522.1	Carbon (incl black carbon), nes	A	from Jan 2006
522.67	Artificial corundum	A	from Feb 2002
523.64	Sodium triphosphate (sodium tripolyphosphate)	A	from Mar 2002
523.72	Neutral sodium carbonate (disodium carbonate)	A,B	from Mar 1992
523.73	Sodium hydrogen carbonate (sodium bicarbonate)	A,B	from Mar 1992
523.81	Cyanides (specifically Sodium cyanide)	A	from Sep 2002
524.94	Carbides (specifically Silicon carbide)	A	from Jul 1999
541.41	Alkaloids of opium	A	from Jul 1991
541.49	Other vegetable alkaloids (specifically Vegetable alkaloids, salts, ethers, esters & other derivatives)	A	from Jul 2004
541.99	Other pharmaceutical goods (specifically Sterile surgical sutures)	A	from Feb 2004
571.11	Polyethylene	A	from Nov 1992
572.19	Polystyrene (non-expansible)	A,C(Feb-11)	from Jan 1988
574.33	Polyethylene terephthalate	A	from Feb 2003
598.64	Activated carbon	B	from May 2006 to Aug-12
634.54	Medium density fibreboard	B	from Nov 1988 to Nov-11
667.12	Unworked cultured pearls	B	from May 1995
667.22	Sorted diamonds, non-industrial	A	available on a quarterly basis after a 6 month lag
671.21	Non-alloyed pig iron	A	from Feb 2009
671.41	Ferro-manganese (containing by weight 2% carbon)	A	from Aug 1999
671.52	Ferro-silico-manganese	A	from Aug 1999
683.1	Nickel and nickel alloys, unwrought	A	from Feb 2003
683.23	Nickel powders and flakes	A	from Feb 2003
691.51	Sanitary ware of iron or steel (specifically sinks and wash basins)	A	from Dec 2002
721.21	Mowers for lawn (specifically 4 stroke mowers)	B	from Dec 2009 to Aug 2012
723.21	Front end shovel loaders	A	from Jan 2003
741.82	Non-gas instantaneous water heaters	A	from Feb 1998
764.32	Transmission apparatus incorporating reception apparatus (specifically base stations for radio)	A,B	from Jul 2007
771.23	Ballast for discharge lamps or tubes	A	from Feb 2007
793	Ships boats and floating structures (specifically cruise ships and similar vessels designed to transport persons and motor boats)	A	from Feb 2004
851.15	Footwear non-water proof (specifically metal toe cap)	A,B	from Apr 2009
851.48	Footwear nes	B, C	from Jan 2007

\* Special case. See "Confidentiality" section in *Explanatory Notes*. # Broad values for these commodities are published in SITC 280 – Confidential minerals ores.

## APPENDIX E – ABS TRADE COMMODITIES CLASSIFIED TO TRIEC 3041 – CONFIDENTIAL TRADE

Exports		
<b>1. Major confidential items at the Australia total level</b>		
TRIEC	AHECC	DESCRIPTION
<i>Primary products – Processed – Minerals</i>		
1222	7501.10.00	Nickel mattes (a)
<i>Manufactures – Simply transformed – Mineral manufactures &amp; metals</i>		
2313	7502.10.00	Unwrought nickel, not alloyed (a)
2313	7502.20.00	Unwrought nickel alloys (a)
<b>2. Major confidential items at the country level</b>		
TRIEC	AHECC	DESCRIPTION
<i>Primary products – Unprocessed – Minerals</i>		
1121	2602.00.00	Manganese ores & concentrates
1121	2612.10.01	Uranium ores & concentrates
1121	2818.20.00	Alumina (aluminium oxide)
1121	Various	Minerals sands (b)
<i>Primary products – Processed – Minerals</i>		
1222	7501.10.00	Nickel mattes (a)
<i>Primary products – Processed – Fuels</i>		
1232	2711.11.00	Liquefied natural gas
<i>Manufactures – Simply transformed – Mineral manufactures &amp; metals</i>		
2313	7502.10.00	Unwrought nickel, not alloyed (a)
2313	7502.20.00	Unwrought nickel alloys (a)

(a) For more information on confidential *Nickel* exports refer to the article on "Impact of ABS confidential restrictions on Nickel exports" at <http://dfat.gov.au/about-us/publications/Pages/recent-trade-statistical-articles-and-information-papers.aspx>. (b) Includes: *Rutile ores & concentrates, Beneficiated ilmenite ores & concentrates, Ilmenite (excl Beneficiated ilmenite) ores & concentrates, Leucoxene ores & concentrates, Zirconium ores & concentrates and Tantalum ores & concentrates.*

## Imports

### 1. Major confidential items at the Australia level (a)

TRIEC	HTISC	DESCRIPTION
<i>Primary products – Unprocessed – Fuels</i>		
1133	2711.21.90.08	Natural gas
<i>Manufactures – Elaborately transformed – Engineering products (excl Household equipment)</i>		
2434	8802.40.00.07	Aeroplanes and other aircraft (excl helicopters) of an unladen weight exc 15,000 kg

### 2. Major confidential items at the country level

Please note the following commodities are not allocated to TRIEC 3041 at the country level but are excluded from the country level data entirely. Therefore country import totals for some countries may be under reported.

TRIEC	HTISC	DESCRIPTION
<i>Manufactures – Elaborately transformed – Engineering products (excl Household equipment)</i>		
2434	8802.40.00.07	Aeroplanes and other aircraft (excl helicopters) of an unladen weight exc 15,000 kg

(a) For more details refer to the article on "Imports of aircraft and parts" at <http://dfat.gov.au/about-us/publications/Pages/recent-trade-statistical-articles-and-information-papers.aspx>

A full list of ABS confidential trade items can be found at the ABS website (<http://www.abs.gov.au>) under publication - *International Merchandise Trade: Confidential Commodities List* (catalogue 5372.0.55.001).

## APPENDIX F – GOODS AND SERVICES RANKINGS

### Commodity rankings

The ranking of Australia's top exports and imports is usually based on merchandise (goods) trade only. DFAT ranks merchandise trade using the United Nations *Standard International Trade Classification Rev4* (SITC). SITC is a hierarchical trade commodity classification with five different levels, with the 5-digit codes aggregating to the 4-digit level and so on to the 1-digit level. SITC does not include services.

When ranking merchandise exports and imports, DFAT uses SITC at the 3-digit level (approximately 260 codes). At this level, all Australia's goods exports are easily identifiable with meaningful descriptions, i.e. *Coal, Iron ore, Gold, Crude petroleum, Beef, Wheat, Alumina, Aluminium, Natural gas, Passenger cars* etc.

To measure the contribution of services activities to exports and imports, the SITC classification was combined with the ABS Extended Balance of Payments (EBOP) services classification to derive Australia's top 25 exports and imports. The ABS EBOP services classification is based on the United Nation publication *Manual on Statistics of International Trade in Services, 2010* (MSITS) and the International Monetary Fund's (IMF) sixth edition of the *Balance of Payments and International Investment Position Manual* (BPM6).

Services classified by EBOP were integrated into the SITC 3-digit merchandise rankings at the 1-digit level covering 12 broad services activities with the exception of:

- *Transport, Travel* and *Other business services*. As these three codes accounted for more than 80 per cent of Australia's total services exports and imports, so activities at the 2-digit EBOP level were used to provide more detail on the types of services traded in these broad categories; and
- For *Personal travel services* only, the 3-digit EBOP level was used to separate out *Education-related travel services* and *Other personal travel services* – Australia's two largest services exports activities.

Using this method, Australia's top 25 exports and imports of goods and services are shown in Tables 4 and 5 in this publication.

In addition to the rankings DFAT has also included two analytical industry series in these tables covering trade by the Education and Tourism industries.

*Education* includes the following EBOP codes – *Education-related-travel services* (EBOP 4.2.1), *Royalties on education services* (EBOP code 8.5.1) and *Other education services* (EBOP code 11.2.2).

*Tourism* is based on the ABS Tourism Satellite Account (TSA):

- The TSA measures the consumption of goods and services by the tourism industry, with an aim to measure the direct contribution to the Australian economy of the tourism industry. The TSA defines tourism consumption to include all travellers who stay in the host economy for less than one year, regardless of their purpose for travel (such as business, education, health and recreational purposes). As such the TSA definition of exports and imports of tourism covers more than just recreational travellers.
- The TSA definition includes all or part of the following services activities from the EBOP trade in services classification: *Passenger air* and *Sea transportation services* and *Related agency fees & commissions*; *Travel services* (including *Business travel*, *Education-related travel* and *Other personal travel*) as well as imputed services which are not measured in the EBOP classification, such as goods provided to visitors in private households; and

- The TSA data is only available on a financial year basis. For more information on the TSA please refer to the ABS publication *Tourism Satellite Accounts* (catalogue 5249.0).

Users should not include these two analytical series in the goods and services rankings as they would **double count** particular EBOP services items. For example to include *Tourism* into the rankings without adjusting other EBOP items would double count all or part of *Business, Education, Other personal travel services* and *Passenger transport services*.

## Economy rankings

DFAT estimates total trade in goods and services on a regional basis by adding goods (merchandise) data on a recorded trade basis with services data on a BOP basis. DFAT has been producing these estimates since the ABS ceased publishing its regional BOP publication in 1999-2000 (this publication contained regional goods and services both on a consistent BOP basis).

As DFAT cannot convert merchandise trade data to a BOP basis to be consistent with ABS published services data, DFAT's current methodology to produce regional goods and services estimates has a number of issues that users should be aware of:

- *Net exports of goods under merchanting* will not be included in DFAT's regional goods and services statistics as it is not included in ABS merchandise trade statistics. This export was valued at \$162 million in 2018;
- Imports of *Goods procured in port by carriers* will not be included in DFAT's regional goods and services statistics as it is not included in ABS merchandise trade statistics. This import was valued at \$1.5 billion in 2018; and
- Exports and imports of *Goods for processing* includes the gross value of the good as reported in ABS merchandise trade statistics, but also double counts the processing fee recorded in ABS services trade statistics under *Manufactured services on physical inputs owned by others*. The processing fee was valued at \$2 million for exports and \$0 for imports in 2018.

DFAT has analysed the impact of these issues on its regional estimates (for 2008-09) and has found that they are relatively insignificant. For exports only one economy (the United States) was out by more than 1 per cent. For imports only six economies are impacted by more than 1 per cent, with the exception of imports from Hong Kong (which was out by plus 15 per cent, mainly due to imports of *Goods procured in port*).

# APPENDIX G – DFAT ADJUSTMENTS TO ABS OFFICIAL TRADE DATA

**NEW – LNG estimates by partner country -see note 5 below**

## Introduction

The Department of Foreign Affairs and Trade (DFAT) makes a number of adjustments to published Australian Bureau of Statistics (ABS) official monthly merchandise trade data to produce the most accurate dataset possible on Australia's merchandise trade data on a calendar year and financial year basis. These adjustments include using ABS trade data that is released after a time lag, DFAT estimates and the correction of a number of small errors in the ABS monthly trade dataset.

## 1. Merchandise trade data released after a time lag

The ABS has been able to negotiate special reporting arrangements with a number of providers of trade data by releasing confidential data with a time lag. These export commodities include:

- *Lupins* (AHECC 1214.90.21) — all country details released on a monthly basis six months after the reference period. This data is automatically included in the regular monthly updates of ABS merchandise trade data after the time lag.
- *Raw cane sugar* (AHECC 1701.11.40) — commodity and country details (values and quantity) on a quarterly basis are released six months after the reference period. This data is not automatically included in monthly updates of ABS merchandise trade data but is available in a spreadsheet format.
- *Non-industrial diamonds* (AHECC 7102.31.00) — commodity and country details (values only) released on a quarterly basis only. This data is not automatically included in monthly updates of ABS merchandise trade data but is available in a spreadsheet format.

The ABS monthly export dataset does not include the *Raw cane sugar* and the *Non-industrial diamonds* (though it does include *Lupins* six months after the reference period). In DFAT's annual trade publications and time series datasets exports of *Raw cane sugar* and the *Non-industrial diamonds* has been included.

## 2. Confidentiality in ABS monthly trade data and its impact on accurate partner country export and import data

The ABS has been required to apply country level restrictions to a number of commodities to maintain confidentiality within its monthly export and import data. This has resulted in some commodities being excluded from partner country totals and State/Territory totals.

For exports, from June 2013 a number of export commodities<sup>2</sup> were excluded, with the major ones *Cane sugar*, *Nickel Mattes*, *Nickel alloys unworked* and *Non-industrial diamonds*. From this period onwards, a number of Country/State totals for exports will be under-reported in ABS monthly trade statistics. The ABS

<sup>2</sup> AHECC at the 8-digit level that have the confidentiality restrictions 'No commodity details' or 'No value details'. See the ABS publication *International Merchandise Trade: Confidential Commodities List* (catalogue 5372.055.001).

advised that data was confidentialised in this way to ensure that trade to individual countries/states could not be identified, even if the transactions were unusually large<sup>3</sup>.

The confidential export commodity codes excluded from partner country totals may not remain consistent over time. The ABS reviews confidentiality on a monthly basis and may add or remove some exports codes from this list. For example the ABS added a new commodity, *Fresh or dried macadamia nuts* to the list from October 2013.

In aggregate \$4.7 billion has been excluded from ABS partner country export data in 2018 (refer to *Table A*).

**Table A: Value of 'No country details' included in export totals**

	No country details A\$m	Total goods exports A\$m	Share of total exports %
<b>Calendar year</b>			
2013 (from Jun-13)	3,694	261,959	1.4
2014	5,808	265,923	2.2
2015	5,964	249,625	2.4
2016	6,044	258,469	2.4
2017	5,750	301,336	1.9
2018	4,712	343,232	1.4
<b>Financial year</b>			
2012-13 (from Jun-13)	596	246,982	0.2
2013-14	5,667	272,921	2.1
2014-15	6,176	254,552	2.4
2015-16	5,802	243,424	2.4
2016-17	6,109	290,882	2.1
2017-18	5,373	313,184	1.7

Based on ABS trade data (January 2019) on DFAT STARS database.

In terms of imports, from the month of September 2008 onwards a number of import commodities<sup>4</sup> have been excluded from partner country totals and State/Territory totals for the same reasons as the export data.

The major commodities excluded include selected aircraft, selected LNG floating platforms, refined petroleum and natural gas imports. From this period onwards, a number of Country/State totals for imports will be under-reported in ABS monthly trade statistics. In aggregate \$5.7 billion has been excluded from ABS partner country import data in 2018 (refer to *Table B*).

As with exports, the confidential import commodity codes excluded from partner country totals may not remain consistent over time.

Given the importance of accurate trade data, DFAT has been working with the ABS to find a solution that will allow accurate partner country export/import totals on a financial and calendar year basis to be published while maintaining business confidentiality. As a result, the ABS was able to provide calendar and financial year export and import totals to DFAT for selected trading partners for the periods affected in the publication *International Trade: Supplementary Information* (catalogue number 5368.0.55.003 & 004).

*Appendix A* (<http://www.dfat.gov.au/trade/resources/trade-statistics/Pages/trade-time-series-data.aspx>) shows the full list of the actual partner country export and import data that has been obtained from the ABS

<sup>3</sup> *International Trade in goods and services Australia*, June 2013 issue, page 4 (catalogue 5368.0).

<sup>4</sup> Harmonized Tariff Item Statistical Code (HTISC) at the 10-digit level that have the confidentiality restrictions 'No commodity details' or 'No value details'.

on a calendar and financial year basis. This data is included in DFAT's annual trade publications and time series datasets.

**Table B: Value of 'No country details' included in import totals**

	No country details A\$m	Total goods imports A\$m	Share of total imports %
<b>Calendar year</b>			
2008 (from Sept-08)	2,025	225,946	0.9
2009	5,491	200,604	2.7
2010	6,099	210,494	2.9
2011	6,728	226,903	3.0
2012	5,155	241,863	2.1
2013	4,541	241,037	1.9
2014	6,784	252,789	2.7
2015	6,908	267,092	2.6
2016	2,440	254,368	1.0
2017	15,139	288,318	5.3
2018	5,711	304,341	1.9
<b>Financial year</b>			
2008-09 (from Sep-08)	4,761	219,487	2.2
2009-10	5,712	204,027	2.8
2010-11	5,897	213,809	2.8
2011-12	6,674	239,736	2.8
2012-13	4,295	236,509	1.8
2013-14	5,797	252,345	2.3
2014-15	6,948	256,982	2.7
2015-16	4,686	263,284	1.8
2016-17	7,448	264,032	2.8
2017-18	12,025	301,157	4.0

Based on ABS trade data (October 2018) on DFAT STARS database.

Please note that this issue is going to make it difficult to determine actual trends in Australia's total exports and imports by partner country on an ongoing basis. **All users are advised to use ABS partner country merchandise export and import data with caution for the countries not covered by the additional ABS data.**

For State/Territory exports and imports, the ABS has published actual totals on a balance of payments basis in the quarterly publication *Balance of Payments and International Investment Position* (catalogue number 5302.0) and the annual *Australian National Accounts: State Accounts* (catalogue number 5220.0).

### 3. Corrections to ABS merchandise trade data

DFAT has identified a number of small corrections to ABS merchandise trade data that the ABS did not apply to their monthly trade dataset as the value of the transaction fell below the ABS normal threshold level for amending trade records<sup>5</sup>.

The following is a list of corrections that have been applied to ABS trade data by DFAT in its annual and financial trade statistical publications and time series datasets:

<sup>5</sup> Refer to the ABS article - [International Trade Review: Data Quality and Client Queries](#) for further information.

- Exports of *Arms & ammunition* (AHECC 9306) from the ACT to Germany in October 2009 valued at \$2,380,000 were a re-export and should not be included as an export produced from the ACT.
- Imports of \$93,000 of *Meat of bovine animals, frozen* (HTISC 0202) from the United States in May 2005 were incorrect in ABS import statistics. The Department Home Affairs confirmed the imports were pork (HTISC 0203) not beef.
- Imports of *Iron ore* (HTISC 2601) from New Caledonia were incorrectly being coded in ABS import statistics. The imports were actually *Nickel ores* (HTISC 2606). All time periods have been corrected.
- Imports of *Arms & ammunition* (HTISC 9306) from Timor-Leste were incorrectly coded. Imports have been coded to miscellaneous manufactures. All time periods have been corrected.

#### 4. DFAT estimates for missing data items.

In some cases DFAT has estimated trade that is not included in published ABS data.

- Raw cane sugar exports – To overcome the time lag for *Raw cane sugar* exports, DFAT has estimated data for the December quarters 2018 (for the calendar year 2018) by using information from the Australian Bureau for Agricultural and Resources Economics and Sciences (ABARES) and partner-country import data from Australia's major *Raw cane sugar* export markets.
- France imports – DFAT has estimated actual imports from France for the period September 2008 until June 2017 (excluding the periods July 2013 to June 2014, January 2015 to June 2015 and January 2017 to December 2017 which is based on actual ABS data). The major import excluded from partner country import data from September 2008 onwards is aircraft.
- United States imports – DFAT has estimated actual imports from the United States for the period January 2016 to June 2016 and July 2017 to December 2017 (all other periods are based on actual ABS data). The major import excluded from partner country import data from September 2008 onwards is aircraft
- LNG floating platforms imported from the Republic of Korea – DFAT has estimated the value of the import of the INPEX's *Ichthys Explorer* LNG central processing platform in May 2017 and the *Ichthys Venturer floating production* platform in August 2017. This adjustment has been allocated as imports from Korea to Western Australia and allocated to the SITC code *793 Ships, boats & floating structures* and TRIEC code *2434 Other transport equipment & parts*.
- Cotton exports – DFAT has estimated cotton exports to China and Indonesia from the period August 2017 until October 2018, which were confidential in ABS trade data. These estimates are included in SITC code *263 Cotton* and TRIEC code *1143 Textile fibres unprocessed & waste*.
- Sodium cyanide exports – DFAT has estimated cyanide exports to Peru from the period July 2005 onwards which are confidential in ABS trade data. These estimates are included in SITC code *283 Salts of inorganic acids & metals* and TRIEC code *2322 Inorganic chemicals*.

These estimates are included in DFAT's annual and financial year trade statistical publications and time series datasets.

#### 5. Estimates for LNG exports by partner country (introduced June 2019)

With the growing importance of Australia's Liquid Natural Gas (LNG) exports – now Australia's third largest export, DFAT has started producing estimates of LNG exports by partner country on an annual and financial year basis. Estimates for the major markets (China, India, Japan, Malaysia, Republic of Korea, Singapore, Taiwan and Thailand) have been generated. These estimates will be progressively included in all of DFAT's statistical products through 2019 and are included in SITC code *343 Natural Gas* and TRIEC code *1232 Petroleum gases & other gaseous hydrocarbons, processed*. An overview of the methodology used to produce these estimates is included in the methodology below.

# METHODOLOGY FOR ESTIMATING CONFIDENTIAL LIQUID NATURAL GAS (LNG) EXPORTS BY PARTNER COUNTRY

Data on Liquid Natural Gas (LNG) exports (AHECC<sup>6</sup> code 2711.11.00] by partner country have not been published by the Australian Bureau of Statistics (ABS) from August 1995 onwards. With LNG now being Australia's third largest export, there is a growing demand for information on these exports to our major markets.

In response to this demand, DFAT has produced a model to estimate time series data for LNG exports.

## Model for LNG exports by partner country

DFAT's model uses merchandise import data published by our major trade partners (or mirror statistics) to source data on import quantities of LNG from Australia for each partner country. The quantity data was weighted to the total Australia LNG quantity export data (published by the ABS) to produce estimates of Australian LNG export quantities by partner country.

The average price of total Australian exports of LNG (value divided by quantities) was applied to these quantity estimates to produce initial estimates for the total value of LNG exports by partner country.

Different markets however will have different LNG prices – depending on the mix of present and historical contract prices and spot price rates. An analysis of average prices using the monthly value and quantities data of Australian LNG imports published in the partner country data found some differences to the ABS average. Where the price<sup>7</sup> was significantly different to the ABS average, the average Australian LNG price for that country was either, inflated or deflated, to more accurately represent the price of the LNG exports to that market

Analysis was also undertaken to see if a timing adjustment could be applied to take into account the time it takes to ship the LNG from Australia to its markets. Due to the quick shipping times for LNG shipments (one to two weeks), it was not possible to apply a timing adjustment to the monthly series<sup>8</sup>. However publishing the estimates on a calendar and financial year basis only should help smooth out any timing issues.

Some manual manipulation was required to the model (mainly for Taiwan and Singapore) to match the estimates to the published ABS time series data for LNG values and quantities<sup>9</sup>.

For historical data, pre-June 2015 the ABS total LNG quantity data used to generate the estimates in this model is not published by the ABS. A simplified model was used to generate these estimates by taking partner country import values, reported on a cost insurance and freight basis (c.i.f.) and adjusting them, to a proxy free on board basis (f.o.b.) to be compatible with ABS total export data for LNG.

### Quality of estimates

As part of a consultancy service for the Department of the Environment, the ABS has been able to publish LNG exports by partner country for both values and quantities for the financial year 2017-18<sup>10</sup>. To ensure the quality of the DFAT's LNG estimates the results from the model have been compared to the actual ABS LNG data for 2017-18. For the top three markets the results were extremely close with the estimates for China, out by just +1.8 per cent, Japan (-4.5 per cent ) and Republic of Korea (-1.2 per cent) – refer to **Chart 1**.

<sup>6</sup> AHECC – Australian Harmonised Export Commodity Classification.

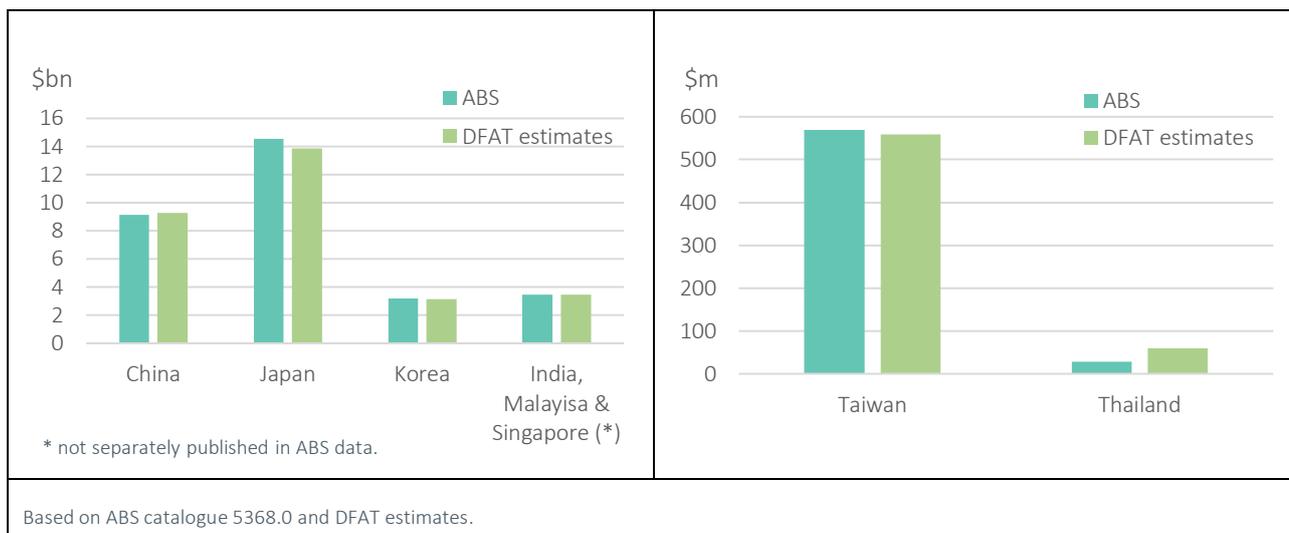
<sup>7</sup> Average prices from partner country data were adjusted from a cost insurance and freight basis (c.i.f.) to a proxy free on board basis (f.o.b.) to make them compatible with ABS export data.

<sup>8</sup> It would be necessary to have weekly trade data to apply a timing adjustment to LNG shipments

<sup>9</sup> Mainly due to LNG shipments through third party countries.

<sup>10</sup> Data for India, Malaysia and Singapore could not be separately published. It is hoped that the ABS will be able to publish this data for future years.

Chart 1 – DFAT LNG estimates vs actual ABS data, 2017-18



The estimate pre-June 2015, are considered to be of a poorer quality than those used in the model but are still useful to generate a full time series (from 1995) for LNG exports by partner country.

As the ABS publishes data on LNG exports by partner country (currently only for 2017-18), this data will replace the modelled estimates, in all DFAT trade products.

## For further information

DFAT publishes a number of articles that provide supplementary information on Australian trade data not included in ABS official trade statistics including:

- Australia's imports of aircraft & parts;
- Changes to ABS merchandise export statistics and its impact on partner country aggregates;
- Impact of ABS confidential restrictions on exports of Nickel; and
- Confidentiality in Australian merchandise export statistics.

These articles are available on the DFAT website at <http://dfat.gov.au/about-us/publications/Pages/recent-trade-statistical-articles-and-information-papers.aspx>.

For further information on the impact of confidentiality in ABS merchandise trade statistics please refer to the ABS publication – [catalogue 5372.0.55.001 – International Merchandise Trade: Confidential Commodities List](#).

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# APPENDIX H – TRIEC CLASSIFICATION

## 1 Primary products

### 11 Primary products – Unprocessed

- 111 Food & live animals
- 112 Minerals
- 113 Fuels
- 114 Other

### 12 Primary products – Processed

- 121 Food
- 122 Minerals
- 123 Fuels
- 124 Other

## 2 Manufactured products

### 23 Manufactures – Simply transformed

- 231 Mineral manufactures & metals
- 232 Chemicals & other semi-manufactures
- 233 Other simply transformed

### 24 Manufactures – Elaborately transformed

- 241 Mineral manufactures & metals
- 242 Chemicals & other semi-manufactures
- 243 Engineering products (excl Household equipment)
- 244 Other elaborately transformed

## 3 Other goods

### 30 Other goods

- 301 Miscellaneous trade
- 302 Non-monetary gold
- 303 Unclassified trade & invalid items
- 304 Confidential items

## 1 Primary products

<b>11</b>	<b>Primary products – Unprocessed</b>
<b>111</b>	<b>Primary products – Unprocessed - Food &amp; live animals</b>
1111	Live animals, chiefly for food
1112	Seafood, fresh, chilled, dried, smoked, salted
1113	Vegetables, fruit & nuts, fresh, chilled, or provisionally preserved
1114	Cereal grains
1119	Unprocessed food nes
<b>112</b>	<b>Primary products – Unprocessed – Minerals</b>
1121	Iron ore & concentrates (Australian split only) <sup>11</sup>
1122	Other metalliferous ores & concentrates
1129	Unprocessed minerals nes
<b>113</b>	<b>Primary products – Unprocessed – Fuels</b>
1131	Coal, anthracite & bituminous
1132	Crude petroleum
1133	Petroleum gases & gaseous hydrocarbons nes
<b>114</b>	<b>Primary products – Unprocessed – Other</b>
1141	Hides, skins & furskins, raw
1142	Cork & wood
1143	Textile fibres, unprocessed & waste
1149	Crude materials nes
<b>12</b>	<b>Primary products – Processed</b>
<b>121</b>	<b>Primary products – Processed – Food</b>
1211	Meat & meat preparations
1212	Seafood, frozen or processed
1213	Dairy products, processed
1214	Vegetables, fruit & nuts preparations
1215	Cereal preparations
1216	Animal & vegetable oils, fats & waxes
1217	Sugars, honey, coffee, cocoa & confectionery
1219	Preparations of food, beverages & tobacco nes

<sup>11</sup> For international merchandise trade data TRIEC codes 1121 & 1122 will be combined to code 1123 'Metalliferous ores & concentrates'.

<b>122</b>	<b>Primary products – Processed – Minerals</b>
1221	Non-metallic minerals, processed
1222	Metallic minerals, processed
<b>123</b>	<b>Primary products – Processed – Fuels</b>
1231	Refined petroleum products
1232	Petroleum gases & other gaseous hydrocarbons, processed
1233	Electric current (Not an Australian code)
1239	Other processed fuels nes
<b>124</b>	<b>Primary products – Processed – Other</b>
1241	Rubber, natural, synthetic & reclaimed
1242	Wood, simply worked & pulp
1243	Textile fibres, processed

## **2 Manufactured products**

<b>23</b>	<b>Manufactures – Simply transformed</b>
<b>231</b>	<b>Manufactures – Simply transformed – Mineral manufactures &amp; metals</b>
2311	Non-metallic mineral manufactures
2312	Iron & steel
2313	Non-ferrous metals
<b>232</b>	<b>Manufactures – Simply transformed – Chemicals &amp; other semi-manufactures</b>
2321	Organic chemicals
2322	Inorganic chemicals
2323	Other chemical & chemical preparations
2324	Other semi-manufactures
<b>233</b>	<b>Manufactures – Simply transformed – Other</b>
2339	Other simply transformed manufactures nes
<b>24</b>	<b>Manufactures – Elaborately transformed</b>
<b>241</b>	<b>Manufactures – Elaborately transformed – Mineral manufactures &amp; metals</b>
2411	Non-metallic mineral manufactures
2412	Iron & steel
2413	Non-ferrous metals

<b>242</b>	<b>Manufactures – Elaborately transformed – Chemicals &amp; other semi-manufactures</b>
2421	Pharmaceutical products
2422	Essential oils, perfume & cosmetic products
2423	Plastics & articles of plastic
2424	Other chemical & chemical preparations
2425	Other semi-manufactures
<b>243</b>	<b>Manufactures – Elaborately transformed – Engineering products (excl Household equipment)</b>
2431	Machinery for specialised industries
2432	Office & telecommunications equipment & parts
2433	Road motor vehicles & parts
2434	Other transport equipment & parts
2435	Professional, scientific & controlling instruments & apparatus
2439	Other engineering products nes
<b>244</b>	<b>Manufactures – Elaborately transformed – Other</b>
2441	Household equipment
2442	Textiles, clothing & footwear
2449	Other miscellaneous manufactured articles nes

### **3 Other goods**

<b>30</b>	<b>Other goods</b>
<b>301</b>	<b>Other goods – Miscellaneous trade</b>
3011	Armoured fighting vehicles, arms of war, etc & parts, nes
3012	Gold coins & other coins that are legal tender
3019	Miscellaneous merchandise trade nes
<b>302</b>	<b>Other goods – Non-monetary gold</b>
3021	Non-monetary gold
<b>303</b>	<b>Other goods – Unclassified trade &amp; invalid items</b>
3031	Unclassified trade & invalid items
<b>304</b>	<b>Other goods – Confidential trade</b>
3041	Confidential trade





# Composition of Trade Australia 2018

