

# **The Australian Real-Time Database: A Users Manual<sup>1</sup>**

by

Kalvinder Shields\* and Zheng Wang\*

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## **Abstract**

The Australian real-time database contains key macroeconomic indicators for Australia which include measures of GDP, its components, prices and key monetary and labour market statistics over the last fifty years as published and revised in real time. The vintages of data are collated from various sources and accommodate multiple definitional changes, providing a comprehensive description of the macroeconomic environment as experienced by Australian policy- and decision-makers. This paper describes collectively the data collection methods, data sources and any specific information on all the variables in detail. Series-specific information is also provided separately on the series webpage.

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<sup>1</sup>\*University of Melbourne, Australia. Version dated August 2011. Financial support from the ARC (Discovery Grant DP0988112) is gratefully acknowledged.

## **Introduction**

The Australian real-time database contains key macroeconomic indicators for Australia which include measures of GDP, its components, prices and key monetary and labour market statistics over the last fifty years as published and revised in real time. The vintages of data are collated from various sources and accommodate multiple definitional changes, providing a comprehensive description of the macroeconomic environment as experienced by Australian policy- and decision-makers. This paper describes collectively the data collection methods, data sources and any specific information on all the variables in detail. Series-specific information is also provided separately on the series webpage.

The real-time database is organised under five broad headings according to their focus and the frequency of their measurement. These include real GDP and its components, nominal GDP and its components, original GDP and its components, other key macroeconomic aggregates, selected labour force aggregates, selected monetary aggregates and miscellaneous series.

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### GDP and Components of GDP

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  - [Real Household Final Consumption Expenditure \(RHFCE\)](#)
  - [Real General Government Final Consumption Expenditure \(RGFCE\)](#)
  - [Real Gross Fixed Capital Formation \(RGFCF\)](#)
  - [Real Changes in Inventories \(RINVCHI\)](#)
  - [Real Exports of Goods and Services \(REX\)](#)
  - [Real Imports of Goods and Services \(RIM\)](#)
  
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  - [Nominal Household Final Consumption Expenditure \(NHFCE\)](#)
  - [Nominal General Government Final Consumption Expenditure \(NGFCE\)](#)
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  - [Nominal Changes in Inventories \(NINVCHI\)](#)
  - [Nominal Exports of Goods and Services \(NEX\)](#)
  - [Nominal Imports of Goods and Services \(NIM\)](#)
  
- **Original GDP and its Components** – Measured at a quarterly frequency and published quarterly; current price measures; not seasonally adjusted.
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  - [Original Household Final Consumption Expenditure \(HFCE\)](#)
  - [Original General Government Final Consumption Expenditure \(GFCE\)](#)
  - [Original Gross Fixed Capital Formation \(GFCF\)](#)
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**Other Key Macroeconomic Aggregates** – Measured at a quarterly frequency and published quarterly.

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- [Industrial Production Index, Seasonally Adjusted \(IPI\)](#)
- [Balance of Payments on Current Account \(BOP\)](#) (see notes for periods of seasonally adjusted data)
- [Real GDP Implicit Price Deflator \(RGDPDEF\)](#) (seasonally adjusted from the 1971Q4 vintage)
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**Selected Labour Force Aggregates** – Measured using quarterly surveys up to March 1982 for seasonally adjusted series and March 1978 for not seasonally adjusted series; the survey frequency changed to monthly thereafter.

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**Miscellaneous Series** – Selected tables disaggregated by industry and are measured at a quarterly frequency and published quarterly.

- [Industrial Gross Value Added, Seasonally Adjusted](#)
- [Original Changes in Inventories: Chain Volume Measures](#)
- [Original Changes in Inventories: Current Prices](#)

## **GDP and Components of GDP**

### **Real GDP and its Components**

Measured at a quarterly frequency and published quarterly; constant price measures up to the 1998Q3 vintage and chain volume measures thereafter; seasonally adjusted from the 1971Q4 vintage.

## RGDP – Real Gross Domestic Product

1. **Definition (as of June 2011)<sup>2</sup>:** Gross Domestic Product is the total market value of goods and services produced in Australia within a given period after deducting the cost of goods and services used up in the process of production but before deducting allowances for the consumption of fixed capital. Constant price measures up to the 1998Q3 vintage and chain volume measures thereafter.
2. **Vintage Date:** The vintage date reflects the quarter in which the publication is released.
3. **Reference Date:** The reference date refers to the date to which the observation is referring to.
4. **First Quarterly Vintage:** 1971Q3 dating back to 1969Q1.
5. **Earliest Observation:** Historical series available dating back to 1959Q3, although not for all vintages.
6. **Seasonality:** Seasonally adjusted from the 1971Q4 vintage.
7. **Unit of Observations:** Millions of dollars.
8. **Base Prices of Observations:** Observations are at constant prices. The base year changes approximately every five years before the introduction of the chain volume measure in 1998Q4 and every three to five quarters thereafter.
9. **Quarterly Vintage Names:** RGDPyyQq, where yy is the year of the vintage, Q refers to Quarter and q the number of the vintage quarter. For example, the column heading RGDP75Q1 indicates that this column contains observations available in the first quarter of 1975.
10. **Publication Delay:** The quarterly vintages are obtained from the issue released in the last month of any quarter (typically in the first week of the month). The data in these vintages relate to the observation of the respective series in the previous quarter. For example, data for the first quarter is

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<sup>2</sup> Source: *Australian System of National Accounts* (cat. no. 5204.0), 2009-10.

available in the issue released in the first week of June. Therefore, there is a one quarter delay in the release of data.

*Table 1: Publication Delay*

First Observation of	Reference Date in ABS Publication	ABS Publication Date	Vintage Date
Q1	March	First week in June	Q2
Q2	June	First week in September	Q3
Q3	September	First week in December	Q4
Q4	December	First week in March	Q1

11. **Variables:** Prior to the 1973Q1 vintage, the real GDP measure refers to real Gross National Product (GNP) obtained using the income approach. From 1973Q1 to 1992Q4, the real GDP measure refers to real Gross Domestic Product (GDP) figure obtained using the income approach. Between the 1993Q1 and 1998Q3 vintages the measure refers to an average of three GDP measures obtained using the income approach, the expenditure approach and the production approach. From the 1998Q4 vintage onwards, the chain volume measure of real GDP is reported.

12. **Revisions:**

- a. An annual seasonal re-analysis took place in either the December or March quarter until 2006Q4. From 2007Q1 onwards, a concurrent adjustment for seasonality was adopted resulting in an updating of the estimates in every quarter.
- b. Annual revisions take place in either the June or September quarter following an adjustment to the annual data to ensure consistency with the quarterly data.

13. **Chain Volume Measure:** First introduced in 1998Q4. Prior to this, the estimates are at constant prices where the base year changes approximately every five years. The method used to compute the chain volume index is detailed in the *Australian System of National Accounts: Concepts, Sources and Methods* (cat. no. 5216.0), Chapter 10. The chain volume measures are

expressed in terms of the values of a particular reference year as recommended in the *System of National Accounts, 1993 (SNA93)*. The reference year is the year prior to the latest complete financial year and up until the 2006Q3 vintage was updated annually. From 2007 onwards, the reference year is updated in the fourth quarter vintage.

14. **Data Sources:** The primary data source is the ABS publication *Australian National Accounts: National Income, Expenditure and Product* (cat. no. 5206.0). Deep-history vintages are obtained from various sources including the ABS publication *Supplement to Quarterly Estimates of National Income and Expenditure* (cat. no. 5207.0), *Time Series Data* (cat. no. 1311.0 & 1335.0) and *NIF-10S Model Data* (cat. no. 1313.0 & 1343.0) available on microfiche, PC *AusStats* CD ROMs and data obtained directly from ABS personnel; see Table 2 for details.

*Table 2: Sources of Data Series*

Publication Date	Reference	Format	Source
1971Q3 – 1972Q1	<i>Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5206.0)	Micro-fiche	The University of Melbourne, Baillieu Library
1972Q2 – 1979Q3	<i>Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5206.0)	PDF	Online
	<i>Supplement to Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5207.0) and ABS	Micro-fiche	The University of Melbourne, Baillieu Library and ABS House, Canberra



Table 2: Sources of Data Series (Continued)

Publication Date	Reference	Format	Source
1979Q4 – 1988Q1	<i>Quarterly Estimates of National Income and Expenditure, Australia</i> (cat. no. 5206.0)	PDF	Online
	<i>Time Series Data</i> (cat. no. 1311.0) and <i>NIF-10S Model Data</i> (cat. no. 1313.0)	Micro-fiche	The University of Melbourne, Baillieu Library, the National Library and ABS House, Canberra
1988Q2 – 1992Q4	<i>Australian National Accounts, National Income and Expenditure</i> (cat. no. 5206.0)	PDF	Online
	<i>Time Series Data</i> (cat. no. 1335.0), <i>NIF-10S Model Data</i> (cat. no. 1343.0)	Micro-fiche	The University of Melbourne, Baillieu Library, the National Library and ABS House, Canberra
1993Q1 – 2005Q3	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	PDF	Online
	<i>NIF-10S Model</i> (cat. no. 1343.0), <i>PC AusStats</i> CD ROMs and <i>Australian National Accounts, 1998-2005</i> workbooks.	Micro-fiche & CDs	The University of Melbourne, Baillieu Library and ABS House, Canberra
2005Q4 – 2006Q2	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	Lotus 123	Online
2006Q3 – present	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0); Table 2; Series ID: A2304402X.	Excel workbook	Online

**Special notes:**

1. **RGDP71Q3 – First constant price real GNP(I) measures.** Observations at 1966-67 prices and are not seasonally adjusted. RGDP = RGNP(I).
2. **RGDP71Q4 – First constant price, seasonally adjusted real GNP(I) measures.** Data are at 1966-67 prices. RGDP = RGNP(I).
3. **RGDP73Q1 – First constant price, seasonally adjusted GDP(I) measures.** Data are at 1966-67 prices. RGDP = RGDP(I) from here on.
4. **RGDP73Q3 – Unusual entries.** The 1973Q2 vintage contains combined figures for the 1972Q3-Q4 and 1973Q1-Q2 reference dates.
5. **RGDP78Q1 – Unexpected revision.** Revision due to new methodologies and new data sources used in revaluing the current price estimates.
6. **RGDP78Q1 to RGDP81Q4 – At 1974-75 prices.**
7. **RGDP82Q1 – Unexpected revision.** Revision due to the use of new methodologies in some components (principally private gross fixed capital expenditure, increase in private non-farm stocks, and exports and imports of goods and services), the use of some new sources of data, the availability of firmer data and revised annual estimates.
8. **RGDP82Q1 to RGDP88Q2 – At 1979-80 prices.**
9. **RGDP85Q1 – Unexpected revision.** Revision is due to the conceptual and classificatory changes made to the Public Finance data system and the introduction of a new item ‘real estate transfer expenses’ in Private Gross Fixed Capital Expenditure.
10. **RGDP86Q1 – Unexpected revision.** Revision is due to classificatory and presentational changes. Specifically this revision involves a more adequate account of the understatement of business income in tax statistics and the introduction of Dwellings in Private Gross Fixed Capital Expenditure.
11. **RGDP87Q1 – Unexpected revision.** Revision is due to the adoption of the *Australian Accounting Standard 17* (AAS 17). Specifically, this revision

involves revised Government Final Consumption Expenditure and Gross Fixed Capital Expenditure measures.

12. **RGDP87Q3 – Unexpected revision.** Revised due to a change in the treatment of payroll tax paid by the general government. The receipts of these taxes are now regarded as transfers within the general government sector which should be netted out on consolidation when compiling the general government income and outlay account. As a result of this change, general government final consumption expenditures have been reduced by the amount of payroll tax paid by general government.
13. **RGDP88Q1 – Unexpected revision.** Estimates of all aggregates have been revised in accordance with the revised annual estimates published in the *Australian National Accounts: National Income and Expenditure, 1986-87, Summary* (cat. no. 5201.0). Significant revisions have been made to a number of aggregates as a result of the incorporation of data from periodic benchmark collections (such as the 1985-86 Retail Census and the 1986 Population Census) or from the use of new data sources. In addition, many aggregates have been revised to incorporate later information from taxation assessment statistics, the gross value of farm production series and other sources.
14. **RGDP88Q2 – Two versions were released.** One version at 1979-80 prices and the other version at 1984-85 prices.
15. **RGDP88Q2 to RGDP92Q4 – At 1984-85 prices.**
16. **RGDP89Q3 – Unexpected revision.** Time series is revised due to annual benchmark revisions, the inclusion of preliminary annual estimates for 1988-89 and new data on trade in services. Estimates for the farm sector have been revised as a result of incorporating estimates of farm costs obtained from the *ABS Agricultural Finance Surveys* conducted in 1986-87 and 1987-88.
17. **RGDP93Q1 – RGDP=RGDP(A) and unexpected revision.** Revisions are due to an annual seasonal re-analysis and changes in the sources and methods used to compile the constant price estimates. These are outlined in Information Paper: *Australian National Accounts: Introduction of Constant*

*Price Estimates at Average 1989-90 Prices* (cat. no. 5243.0) (25 February 1993).

18. **RGDP93Q1 to RGDP98Q3 – At 1989-90 prices. RGDP = RGDP(A).**
19. **RGDP94Q3 – Unexpected revision.** Quarterly estimates have been revised as a result of incorporating annual benchmark data. Specifically, revisions have occurred to the constant price estimates of government final consumption expenditure from the 1989Q3 reference date due to the revised treatment of redundancy payments, as introduced in Victoria and Tasmania in the December quarter 1996 accounts. In addition, estimates of exports and imports of good and services, at both current and constant prices, have been revised for all years as a result of improved sources and methods used to estimate some components.
20. **RGDP97Q1 – Unexpected revision.** Revision due to revised annual benchmark estimates. In addition, seasonally adjusted estimates have been revised following the annual seasonal re-analysis. The most significant revision arose from the incorporation of income tax benchmarks for gross operating surplus for companies and unincorporated enterprises (for 1994-95) and private gross fixed capital expenditure on equipment (for 1993-94 and 1994-95).
21. **RGDP98Q4 – First published RGDP measures using chain volume method.** Major changes were introduced to reflect the implementation of new international standards for the compilation and presentation of national accounts as in the *System of National Accounts, 1993* (SNA93). The changes include the integration of input-output tables with the quarterly and annual estimates of national income, expenditure and product and the introduction of chain volume measures. In addition, a number of other content and formatting changes were introduced. For further details, see the Information Papers *Upgraded Australian National Accounts, 1998* (cat. no. 5253.0) (4 November 1998), the associated *Addendum* (11 November 1998), *Implementation of Revised International Standards in the Australian National Accounts* (cat. no.

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5251.0) (30 September 1997) and *Introduction of Chain Volume Measures in the Australian National Accounts* (cat. no. 5248.0) (19 March 1998).

22. **RGDP98Q4 to RGDP99Q2 – Reference year is 1996-97.**
23. **RGDP99Q3 to RGDP00Q2 – Reference year is 1997-98.**
24. **RGDP00Q3 to RGDP01Q2 – Reference year is 1998-99.**
25. **RGDP01Q3 to RGDP02Q2 – Reference year is 1999-00.**
26. **RGDP02Q3 to RGDP03Q2 – Reference year is 2000-01.**
27. **RGDP02Q4 – Unexpected revision.** Revision due to more up-to-date data, a revised annual benchmark and an annual seasonal re-analysis.
28. **RGDP03Q3 to RGDP04Q2 – Reference year is 2001-02.**
29. **RGDP04Q3 to RGDP05Q2 – Reference year is 2002-03.**
30. **RGDP05Q3 to RGDP06Q2 – Reference year is 2003-04.**
31. **RGDP05Q4 – Unexpected revision.** Revised measures to many series as a result of benchmarking quarterly series to annual benchmarks from the annual Supply and Use Tables for 1994-95 to 2003-04. There have also been changes to the sources and methods used to derive quarterly chain volume estimates of gross value added of the services to mining industry and the accommodation, cafes and restaurants industry. In both cases the new data source is the income from sales of goods and services from the *Quarterly Business Indicator Survey* (cat. no. 5767.0).
32. **RGDP06Q3 to RGDP07Q3 – Reference year is 2004-05.**
33. **RGDP06Q4 – Unexpected revision.** Quarterly series are benchmarked to the revised annual Supply and Use Tables for 2002-03 to 2004-05. In addition, an annual seasonal re-analysis was undertaken on all series.
34. **RGDP07Q1 – Unexpected revision.** Introduction of a concurrent adjustment for seasonality.
35. **RGDP07Q4 to RGDP08Q3 – Reference year is 2005-06.**
36. **RGDP08Q4 to RGDP09Q3 – Reference year is 2006-07.**
37. **RGDP09Q4 – Unexpected revision.** Introduction of new international standards.

**38. RGDP09Q4 to RGDP2010Q3 – Reference year is 2007-08.**

**39. RGDP2010Q4 to ... – Reference year is 2008-09.**

**RHFCE – Real Household Final Consumption Expenditure**

1. **Definition (as of June 2011)<sup>3</sup>:** Household Final Consumption Expenditure measures the net expenditure on goods and services by persons and expenditure of a current nature by private non-profit institutions serving households. This item excludes expenditures by unincorporated businesses and expenditures on assets by non-profit institutions (included in gross fixed capital formation). Constant price measures up to the 1998Q3 vintage and chain volume measures thereafter.
2. **Vintage Date:** The vintage date reflects the quarter in which the publication is released.
3. **Reference Date:** The reference date refers to the date to which the observation is referring to.
4. **First Quarterly Vintage:** 1971Q3 dating back to 1969Q1.
5. **Earliest Observation:** Historical series available dating back to 1959Q3, although not for all vintages.
6. **Seasonality:** Seasonally adjusted from the 1971Q4 vintage.
7. **Unit of Observations:** Millions of dollars.
8. **Base Prices of Observations:** Observations are at constant prices. The base year changes approximately every five years before the introduction of the chain volume measure in 1998Q4 and every three to five quarters thereafter.
9. **Quarterly Vintage Names:** RHFCEyyQq, where yy is the year of the vintage, Q refers to Quarter and q the number of the vintage quarter. For example, column heading RHFCE75Q1 indicates that this column contains observations available in the first quarter of 1975.
10. **Publication Delay:** The quarterly vintages are obtained from the issue released in the last month of any quarter (typically in the first week of the month). The data in these vintages relate to the observation of the respective series in the previous quarter. For example, data for the first quarter is

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<sup>3</sup> Source: *Australian System of National Accounts (cat. no. 5204.0)*, 2009-10.

available in the issue released in the first week of June. Therefore, there is a one quarter delay in the release of data.

*Table 1: Publication Delay*

First Observation of	Reference Date in ABS Publication	ABS Publication Date	Vintage Date
Q1	March	First week in June	Q2
Q2	June	First week in September	Q3
Q3	September	First week in December	Q4
Q4	December	First week in March	Q1

#### 11. Revisions:

- a. An annual seasonal re-analysis took place in either the December or March quarter until 2006Q4. From 2007Q1 onwards, a concurrent adjustment for seasonality was adopted resulting in an updating of the estimates in every quarter.
- b. Annual revisions take place in either the June or September quarter following an adjustment to the annual data to ensure consistency with the quarterly data.

12. **Chain Volume Measure:** First introduced in 1998Q4. Prior to this, the estimates are at constant prices where the base year changes approximately every five years. The method used to compute the chain volume index is detailed in the *Australian System of National Accounts: Concepts, Sources and Methods* (cat. no. 5216.0), Chapter 10. The chain volume measures are expressed in terms of the values of a particular reference year as recommended in the *System of National Accounts, 1993 (SNA93)*. The reference year is the year prior to the latest complete financial year and up until the 2006Q3 vintage was updated annually. From 2007 onwards, the reference year is updated in the fourth quarter vintage.

13. **Data Sources:** The primary data source is the *ABS publication Australian National Accounts: National Income, Expenditure and Product* (cat. no. 5206.0). Deep-history vintages are obtained from various sources including



the ABS publication *Supplement to Quarterly Estimates of National Income and Expenditure* (cat. no. 5207.0), *Time Series Data* (cat. no. 1311.0 & 1335.0) and *NIF-10S Model Data* (cat. no. 1313.0 & 1343.0) available on microfiche, *PC AusStats* CD ROMs and data obtained directly from ABS personnel; see Table 2 for details.

Table 2: Sources of Data Series

Publication Date	Reference	Format	Source
1971Q3 – 1972Q1	<i>Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5206.0)	Micro-fiche	The University of Melbourne, Baillieu Library
1972Q2 – 1979Q3	<i>Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5206.0)	PDF	Online
	<i>Supplement to Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5207.0) and ABS	Micro-fiche	The University of Melbourne, Baillieu Library and ABS House, Canberra
1979Q4 – 1988Q1	<i>Quarterly Estimates of National Income and Expenditure, Australia</i> (cat. no. 5206.0)	PDF	Online
	<i>Time Series Data</i> (cat. no. 1311.0) and <i>NIF-10S Model Data</i> (cat. no. 1313.0)	Micro-fiche	The University of Melbourne, Baillieu Library, the National Library and ABS House, Canberra
1988Q2 – 1992Q4	<i>Australian National Accounts, National Income and Expenditure</i> (cat. no. 5206.0)	PDF	Online
	<i>Time Series Data</i> (cat. no. 1335.0), <i>NIF-10S Model Data</i> (cat. no. 1343.0)	Micro-fiche	The University of Melbourne, Baillieu Library, the National Library and ABS House, Canberra

Table 2: Sources of Data Series (Continued)

Publication Date	Reference	Format	Source
1993Q1 – 2005Q3	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	PDF	Online
	<i>NIF-10S Model Data</i> (cat. no. 1343.0), <i>PC AusStats</i> CD ROMs and <i>Australian National Accounts, 1998-2005</i> workbooks.	Micro-fiche & CDs	The University of Melbourne, Baillieu Library, ABS House, Canberra
2005Q4 – 2006Q2	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	Lotus 123	Online
2006Q3 – present	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0); Table 2; Series ID: A2304081W.	Excel workbook	Online

**Special notes:**

1. **RHFCE71Q3 – First constant price RHFCE measures.** Observations at 1966-67 prices and are not seasonally adjusted.
2. **RHFCE71Q4 – First constant price, seasonally adjusted RHFCE measures.** At 1966-67 prices.
3. **RHFCE78Q1 – Unexpected revision.** Revision due to new methodologies and new data sources used in revaluing the current price estimates.
4. **RHFCE78Q1 to RHFCE81Q4 – At 1974-75 prices.**
5. **RHFCE82Q1 – Unexpected revision.** Revision due to the use of new methodologies in some components (principally private gross fixed capital expenditure, increase in private non-farm stocks, and exports and imports of goods and services), the use of some new sources of data, the availability of firmer data and revised annual estimates.
6. **RHFCE82Q1 to RHFCE88Q2 – At 1979-80 prices.**
7. **RHFCE85Q1 – Unexpected revision.** Revision is due to the conceptual and classificatory changes made to the Public Finance data. Specifically this revision involves the item ‘current grants to private non-profit institutions by both general government and public trading enterprises’ is included in the private final consumption expenditure.
8. **RHFCE88Q1 – Unexpected revision.** Estimates of all aggregates have been revised in accordance with the revised annual estimates published in the *Australian National Accounts: National Income and Expenditure, 1986-87, Summary* (cat. no. 5201.0). Significant revisions have been made to a number of aggregates as a result of the incorporation of data from periodic benchmark collections (such as the 1985-86 Retail Census and the 1986 Population Census) or from the use of new data sources. In addition, many aggregates have been revised to incorporate later information from taxation assessment statistics, the gross value of farm production series and other sources. Specifically this revision involves the incorporation of more up-to-date data

from newly conducted surveys and major reviews of data sources and estimation methods.

9. **RHFCE88Q2 – Two versions were released.** One version at 1979-80 prices and the other version at 1984-85 prices.
10. **RHFCE88Q2 to RHFCE92Q4 – At 1984-85 prices.**
11. **RHFCE89Q3 – Unexpected revision.** Time series is revised due to annual benchmark revisions, the inclusion of preliminary annual estimates for 1988-89 and new data on trade in services. Estimates for the farm sector have been revised as a result of incorporating estimates of farm costs obtained from the *ABS Agricultural Finance Surveys* conducted in 1986-87 and 1987-88.
12. **RHFCE93Q1 – Unexpected revision.** Revisions are due to an annual seasonal re-analysis and changes in the sources and methods used to compile the constant price estimates. These are outlined in the Information Paper: *Australian National Accounts: Introduction of Constant Price Estimates at Average 1989-90 Prices* (cat. no. 5243.0) (25 February 1993).
13. **RHFCE93Q1 to RHFCE98Q3 – At 1989-90 prices.**
14. **RHFCE94Q3 – Unexpected revision.** Quarterly estimates have been revised as a result of incorporating annual benchmark data.
15. **RHFCE98Q4 – First published RHFCE measures using chain volume method and unexpected revision.** Major changes were introduced to reflect the implementation of new international standards for the compilation and presentation of national accounts as in the *System of National Accounts, 1993* (SNA93). The changes included the integration of input-output tables with the quarterly and annual estimates of national income, expenditure and product and the introduction of chain volume measures. In addition, a number of other content and formatting changes were introduced. For further details, see the Information Papers *Upgraded Australian National Accounts, 1998* (cat. no. 5253.0) (4 November 1998), the associated *Addendum* (11 November 1998), *Implementation of Revised International Standards in the Australian National Accounts* (cat. no. 5251.0) (30 September 1997) and *Introduction of Chain*

*Volume Measures in the Australian National Accounts* (cat. no. 5248.0) (19 March 1998).

16. **RHFCE98Q4 to RHFCE99Q2 – Reference year is 1996-97.**
17. **RHFCE99Q3 to RHFCE00Q2 – Reference year is 1997-98.**
18. **RHFCE00Q3 to RHFCE01Q2 – Reference year is 1998-99.**
19. **RHFCE01Q3 to RHFCE02Q2 – Reference year is 1999-00.**
20. **RHFCE02Q3 to RHFCE03Q2 – Reference year is 2000-01.**
21. **RHFCE02Q4 – Unexpected revision.** Revision due to more up-to-date data, a revised annual benchmark and an annual seasonal re-analysis.
22. **RHFCE03Q3 to RHFCE04Q2 – Reference year is 2001-02.**
23. **RHFCE04Q3 to RHFCE05Q2 – Reference year is 2002-03.**
24. **RHFCE05Q3 to RHFCE06Q2 – Reference year is 2003-04.**
25. **RHFCE05Q4 – Unexpected revision.** Revised measures to many series as a result of benchmarking quarterly series to annual benchmarks from the annual Supply and Use Tables for 1994-95 to 2003-04.
26. **RHFCE06Q3 to RHFCE07Q3 – Reference year is 2004-05.**
27. **RHFCE06Q4 – Unexpected revision.** Quarterly series are benchmarked to the revised annual Supply and Use Tables for 2002-03 to 2004-05. In addition, an annual seasonal re-analysis was undertaken on all series.
28. **RHFCE07Q1 – Unexpected revision.** Introduction of a concurrent adjustment for seasonality.
29. **RHFCE07Q4 to RHFCE08Q3 – Reference year is 2005-06.**
30. **RHFCE08Q4 to RHFCE09Q3 – Reference year is 2006-07.**
31. **RHFCE09Q4 – Unexpected revision.** Introduction of new international standards.
32. **RHFCE09Q4 to RHFCE10Q3 – Reference year is 2007-08.**
33. **RHFCE10Q4 to ... – Reference year is 2008-09.**

**RGFCE – Real General Government Final Consumption Expenditure**

1. **Definition (as of June 2011)<sup>4</sup>:** General Government Final Consumption Expenditure measures the current expenditure by general government bodies on services to the community such as defence, education, and public order and safety less any explicit charges for these services. Constant price measures up to the 1998Q3 vintage and chain volume measures thereafter.
2. **Vintage Date:** The vintage date reflects the quarter in which the publication is released.
3. **Reference Date:** The reference date refers to the date to which the observation is referring to.
4. **First Quarterly Vintage:** 1971Q3 dating back to 1969Q1.
5. **Earliest Observation:** Historical series available dating back to 1959Q3, although not for all vintages.
6. **Seasonality:** Seasonally adjusted from the 1971Q4 vintage.
7. **Unit of Observations:** Millions of dollars.
8. **Base Prices of Observations:** Observations are at constant prices. The base year changes approximately every five years before the introduction of the chain volume measure in 1998Q4 and every three to five quarters thereafter.
9. **Quarterly Vintage Names:** RGFCEyyQq, where yy is the year of the vintage, Q refers to Quarter and q the number of the vintage quarter. For example, the column heading RGFCE75Q1 indicates that this column contains observations available in the first quarter of 1975.
10. **Publication Delay:** The quarterly vintages are obtained from the issue released in the last month of any quarter (typically in the first week of the month). The data in these vintages relate to the observation of the respective series in the previous quarter. For example, data for the first quarter is available in the issue released in the first week of June. Therefore, there is a one quarter delay in the release of data.

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<sup>4</sup> Source: *Australian System of National Accounts (cat. no. 5204.0)*, 2009-10.

Table 1: Publication Delay

First Observation of	Reference Date in ABS Publication	ABS Publication Date	Vintage Date
Q1	March	First week in June	Q2
Q2	June	First week in September	Q3
Q3	September	First week in December	Q4
Q4	December	First week in March	Q1

### 11. Revisions:

- a. An annual seasonal re-analysis took place in either the December or March quarter until 2006Q4. From 2007Q1 onwards, a concurrent adjustment for seasonality was adopted resulting in an updating of the estimates in every quarter.
- b. Annual revisions take place in either the June or September quarter following an adjustment to the annual data ensure consistency with the quarterly data.

12. **Chain Volume Measure:** First introduced in 1998Q4. Prior to this, the estimates are at constant prices where the base year changes approximately every five years. The method used to compute the chain volume index is detailed in the *Australian System of National Accounts: Concepts, Sources and Methods* (cat. no. 5216.0), Chapter 10. The chain volume measures are expressed in terms of the values of a particular reference year as recommended in the *System of National Accounts, 1993* (SNA93). The reference year is the year prior to the latest complete financial year and up until the 2006Q3 vintage was updated annually. From 2007 onwards, the reference year is updated in the fourth quarter vintage.

13. **Data Sources:** The primary data source is the ABS publication *Australian National Accounts: National Income, Expenditure and Product* (cat. no. 5206.0). Deep-history vintages are obtained from various sources including the ABS publication *Supplement to Quarterly Estimates of National Income and Expenditure* (cat. no. 5207.0), *Time Series Data* (cat. no. 1311.0 & 1335.0)

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and *NIF-10S Model Data* (cat. no. 1313.0 & 1343.0) available on microfiche, *PC AusStats* CD ROMs and data obtained directly from ABS personnel; see Table 2 for details.

Table 2: Sources of Data Series

Publication Date	Reference	Format	Source
1971Q3 – 1972Q1	<i>Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5206.0)	Microfiche	The University of Melbourne, Baillieu Library
1972Q2 – 1979Q3	<i>Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5206.0)	PDF	Online
	<i>Supplement to Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5207.0) and ABS	Microfiche	The University of Melbourne, Baillieu Library and ABS House, Canberra
1979Q4 – 1988Q1	<i>Quarterly Estimates of National Income and Expenditure, Australia</i> (cat. no. 5206.0)	PDF	Online
	<i>Time Series Data</i> (cat. no. 1311.0) and <i>NIF-10S Model Data</i> (cat. no. 1313.0)	Microfiche	The University of Melbourne, Baillieu Library, the National Library and ABS House, Canberra
1988Q2 – 1992Q4	<i>Australian National Accounts, National Income and Expenditure</i> (cat. no. 5206.0)	PDF	Online
	<i>Time Series Data</i> (cat. no. 1335.0), <i>NIF-10S Model Data</i> (cat. no. 1343.0)	Microfiche	The University of Melbourne, Baillieu Library, the National Library and ABS House, Canberra



Table 2: Sources of Data Series (Continued)

Publication Date	Reference	Format	Source
1993Q1 – 2005Q3	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	PDF	Online
	<i>NIF-10S Model Data</i> (cat. no. 1343.0), <i>PC AusStats</i> CD ROMs and <i>Australian National Accounts, 1998-2005</i> workbooks.	Micro-fiche & CDs	The University of Melbourne, Baillieu Library, ABS House, Canberra
2005Q4 – 2006Q2	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	Lotus 123	Online
2006Q3 – present	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0); Table 2; Series ID: A2304080V.	Excel workbook	Online

**Special notes:**

1. **RGFCE71Q3 – First constant price RGFCE measure.** Observations at 1966-67 prices and are not seasonally adjusted.
2. **RGFCE71Q4 – First constant price, seasonally adjusted RGFCE measures.** Data are at 1966-67 prices.
3. **RGFCE78Q1 – Unexpected revision.** Revision due to new methodologies and new data sources used in revaluing the current price estimates.
4. **RGFCE78Q1 to RGFCE81Q4 – At 1974-75 prices.**
5. **RGFCE82Q1 – Unexpected revision.** Revision due to the use of new methodologies in some components (principally private gross fixed capital expenditure, increase in private non-farm stocks, and exports and imports of goods and services), the use of some new sources of data, the availability of firmer data and revised annual estimates.
6. **RGFCE82Q1 to RGFCE88Q2 – At 1979-80 prices.**
7. **RGFCE85Q1 – Unexpected revision.** Revision is due to the conceptual and classificatory changes made to the Public Finance data system. Specifically, this revision involves the exclusion of the item ‘current grants to private non-profit institutions by both general government and public trading enterprises’ from Government Final Consumption Expenditure.
8. **RGFCE87Q1 – Unexpected revision.** Revision is due to the adoption of the *Australian Accounting Standard 17* (AAS 17). Specifically, this revision concerns the inclusion of estimates of consumption of fixed capital and the inclusion of repair and maintenance expenditure on roads – which were previously included as capital expenditure.
9. **RGFCE87Q3 – Unexpected revision.** Revised due to a change in the treatment of payroll tax paid by the general government. The receipts of these taxes are now regarded as transfers within the general government sector which should be netted out on consolidation when compiling the general government income and outlay account. As a result of this change, General

Government Final Consumption Expenditure has declined by the amount of payroll tax paid by general government.

10. **RGFCE88Q1 – Unexpected revision.** Estimates of all aggregates have been revised in accordance with the revised annual estimates published in the *Australian National Accounts, National Income and Expenditure, 1986-87, Summary* (cat. no. 5201.0). Significant revisions have been made to a number of aggregates as a result of the incorporation of data from periodic benchmark collections (such as the 1985-86 Retail Census and the 1986 Population Census) or from the use of new data sources. In addition, many aggregates have been revised to incorporate later information from taxation assessment statistics, the gross value of farm production series and other sources.
11. **RGFCE88Q2 – Two versions were released.** One version at 1979-80 prices and the other version at 1984-85 prices.
12. **RGFCE88Q2 to RGFCE92Q4 – At 1984-85 prices.**
13. **RGFCE89Q3 – Unexpected revision.** Time series is revised due to annual benchmark revisions, the inclusion of preliminary annual estimates for 1988-89 and new data on trade in services. Estimates for the farm sector have been revised as a result of incorporating estimates of farm costs obtained from the *ABS Agricultural Finance Surveys* conducted in 1986-87 and 1987-88.
14. **RGFCE93Q1 – Unexpected revision.** Revisions are due to an annual seasonal re-analysis and changes in the sources and methods used to compile the constant price estimates. These are outlined in the Information Paper: *Australian National Accounts: Introduction of Constant Price Estimates at Average 1989-90 Prices* (cat. no. 5243.0) (25 February 1993).
15. **RGFCE93Q1 to RGFCE98Q3 – At 1989-90 prices.**
16. **RGFCE94Q3 – Unexpected revision.** Quarterly estimates have been revised as a result of incorporating annual benchmark data. Specifically, revisions have occurred to the constant price estimates of Government Final Consumption Expenditure from the 1989Q3 reference date due to the revised

treatment of redundancy payments, as introduced in Victoria and Tasmania in the December quarter 1996 accounts.

17. **RGFCE98Q4 – First published RGFCE measures using chain volume method and unexpected revision.** Major changes were introduced to reflect the implementation of new international standards for the compilation and presentation of national accounts as in the *System of National Accounts, 1993* (SNA93). The changes include the integration of input-output tables with the quarterly and annual estimates of national income, expenditure and product and the introduction of chain volume measures. In addition, a number of other content and formatting changes were introduced. For further details, see the Information Papers *Upgraded Australian National Accounts, 1998* (cat. no. 5253.0) (4 November 1998), the associated *Addendum* (11 November 1998), *Implementation of Revised International Standards in the Australian National Accounts* (cat. no. 5251.0) (30 September 1997) and *Introduction of Chain Volume Measures in the Australian National Accounts* (cat. no. 5248.0) (19 March 1998).
18. **RGFCE98Q4 to RGFCE99Q2 – Reference year is 1996-97.**
19. **RGFCE99Q3 to RGFCE00Q2 – Reference year is 1997-98.**
20. **RGFCE00Q3 to RGFCE01Q2 – Reference year is 1998-99.**
21. **RGFCE01Q3 to RGFCE02Q2 – Reference year is 1999-00.**
22. **RGFCE02Q3 to RGFCE03Q2 – Reference year is 2000-01.**
23. **RGFCE02Q4 – Unexpected revision.** Revision due to more up-to-date data, a revised annual benchmark and an annual seasonal re-analysis.
24. **RGFCE03Q3 to RGFCE04Q2 – Reference year is 2001-02.**
25. **RGFCE04Q3 to RGFCE05Q2 – Reference year is 2002-03.**
26. **RGFCE05Q3 to RGFCE06Q2 – Reference year is 2003-04.**
27. **RGFCE05Q4 – Unexpected revision.** Revised measures to many series as a result of benchmarking quarterly series to annual benchmarks from the annual Supply and Use Tables for 1994-95 to 2003-04.
28. **RGFCE06Q3 to RGFCE07Q3 – Reference year is 2004-05.**

29. **RGFCE06Q4 – Unexpected revision.** Quarterly series are benchmarked to the revised annual Supply and Use Tables for 2002-03 to 2004-05. In addition, an annual seasonal re-analysis was undertaken on all series.
30. **RGFCE07Q1 – Unexpected revision.** Introduction of a concurrent adjustment for seasonality.
31. **RGFCE07Q4 to RGFCE08Q3 – Reference year is 2005-06.**
32. **RGFCE08Q4 to RGFCE09Q3 – Reference year is 2006-07.**
33. **RGFCE09Q4 – Unexpected revision.** Introduction of new international standards.
34. **RGFCE09Q4 to RGFCE10Q3 – Reference year is 2007-08.**
35. **RGFCE10Q4 to ... – Reference year is 2008-09.**

## RGFCF – Real Gross Fixed Capital Formation

1. **Definition (as of June 2011)<sup>5</sup>:** Gross Fixed Capital Formation measures the expenditure by general government, private and public corporations on new fixed assets plus net expenditure on second-hand fixed assets whether for additions or replacements including defence weapons platforms that have an anticipated ongoing use (greater than one year). Constant price measures up to the 1998Q3 vintage and chain volume measures thereafter.
2. **Vintage Date:** The vintage date reflects the quarter in which the publication is released.
3. **Reference Date:** The reference date refers to the date to which the observation is referring to.
4. **First Quarterly Vintage:** 1971Q3 dating back to 1969Q1.
5. **Earliest Observation:** Historical series available dating back to 1959Q3, although not for all vintages.
6. **Seasonality:** Seasonally adjusted from the 1971Q4 vintage.
7. **Unit of Observations:** Millions of dollars.
8. **Base Prices of Observations:** Observations are at constant prices. The base year changes approximately every five years before the introduction of the chain volume measure in 1998Q4 and every three to five quarters thereafter.
9. **Quarterly Vintage Names:** RGFCFyyQq, where yy is the year of the vintage, Q refers to Quarter and q the number of the vintage quarter. For example column heading RGFCF75Q1 indicates that this column contains observations available in the first quarter of 1975.
10. **Publication Delay:** The quarterly vintages are obtained from the issue released in the last month of any quarter (typically in the first week of the month). The data in these vintages relate to the observation of the respective series in the previous quarter. For example, data for the first quarter is

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<sup>5</sup> Source: *Australian System of National Accounts (cat. no. 5204.0)*, 2009-10.

available in the issue released in the first week of June. Therefore, there is a one quarter delay in the release of data.

*Table 1: Publication Delay*

First Observation of	Reference Date in ABS Publication	ABS Publication Date	Vintage Date
Q1	March	First week in June	Q2
Q2	June	First week in September	Q3
Q3	September	First week in December	Q4
Q4	December	First week in March	Q1

#### 11. Revisions:

- a. An annual seasonal re-analysis took place in either the December or March quarter until 2006Q4. From 2007Q1 onwards, a concurrent adjustment for seasonality was adopted resulting in an updating of the estimates in every quarter.
- b. Annual revisions take place in either the June or September quarter following an adjustment on the annual data to ensure consistency with the quarterly data.

12. **Chain Volume Measure:** First introduced in 1998Q4. Prior to this, the estimates are at constant prices where the base year changes approximately every five years. The method used to compute the chain volume index is detailed in the *Australian System of National Accounts: Concepts, Sources and Methods* (cat. no. 5216.0), Chapter 10. The chain volume measures are expressed in terms of the values of a particular reference year as recommended in the *System of National Accounts, 1993 (SNA93)*. The reference year is the year prior to the latest complete financial year and up until the 2006Q3 vintage was updated annually. From 2007 onwards, the reference year is updated in the fourth quarter vintage.

13. **Data Sources:** The primary data source is the ABS publication *Australian National Accounts: National Income, Expenditure and Product* (cat. no. 5206.0). Deep-history vintages are obtained from various sources including the ABS publication *Supplement to Quarterly Estimates of National Income*

and Expenditure (cat. no. 5207.0), *Time Series Data* (cat. no. 1311.0 & 1335.0) and *NIF-10S Model Data* (cat. no. 1313.0 & 1343.0) available on microfiche, *PC AusStats* CD ROMs and data obtained directly from ABS personnel; see Table 2 for details.

Table 2: Sources of Data Series

Publication Date	Reference	Format	Source
1971Q3 – 1972Q1	<i>Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5206.0)	Microfiche	The University of Melbourne, Baillieu Library
1972Q2 – 1979Q3	<i>Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5206.0)	PDF	Online
	<i>Supplement to Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5207.0) and ABS	Microfiche	The University of Melbourne, Baillieu Library and ABS House, Canberra
1979Q4 – 1988Q1	<i>Quarterly Estimates of National Income and Expenditure, Australia</i> (cat. no. 5206.0)	PDF	Online
	<i>Time Series Data</i> (cat. no. 1311.0) and <i>NIF-10S Model Data</i> (cat. no. 1313.0)	Microfiche	The University of Melbourne, Baillieu Library, the National Library and ABS House, Canberra
1988Q2 – 1992Q4	<i>Australian National Accounts, National Income and Expenditure</i> (cat. no. 5206.0)	PDF	Online
	<i>Time Series Data</i> (cat. no. 1335.0), <i>NIF-10S Model Data</i> (cat. no. 1343.0)	Microfiche	The University of Melbourne, Baillieu Library, the National Library and ABS House, Canberra



Table 2: Sources of Data Series (Continued)

Publication Date	Reference	Format	Source
1993Q1 – 2005Q3	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	PDF	Online
	<i>NIF-10S Model Data</i> (cat. no. 1343.0), <i>PC AusStats</i> CD ROMs and <i>Australian National Accounts, 1998-2005</i> workbooks.	Micro-fiche & CDs	The University of Melbourne, Baillieu Library, ABS House, Canberra
2005Q4 – 2006Q2	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	Lotus 123	Online
2006Q3 – present	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0); Table 2; Series ID: A2304110W.	Excel workbook	Online

**Special notes:**

1. **RGFCF71Q3 – First constant price RGFCF measures.** Observations at 1966-67 prices and are not seasonally adjusted.
2. **RGFCF71Q4 – First constant price, seasonally adjusted RGFCF measures.** At 1966-67 prices.
3. **RGFCF78Q1 – Unexpected revision.** Revision due to new methodologies and new data sources used in revaluing the current price estimates.
4. **RGFCF78Q1 to RGFCF81Q4 – At 1974-75 prices.**
5. **RGFCF82Q1 – Unexpected revision.** Revision due to the use of new methodologies in some components (principally private gross fixed capital expenditure, increase in private non-farm stocks, and exports and imports of goods and services), the use of some new sources of data, the availability of firmer data and revised annual estimates.
6. **RGFCF82Q1 to RGFCF88Q2 – At 1979-80 prices.**
7. **RGFCF85Q1 – Change of definition.** Revision is due to the conceptual and classificatory changes made to the Public Finance data system and the introduction of a new major item ‘real estate transfer expenses’ in Private Gross Fixed Capital Expenditure. Specifically, this revision involves a change in the estimation of public sector GFCF on premises to fully reflect both purchases and sales of second-hand non-dwelling construction and equipment by the public sector.
8. **RGFCF86Q1 – Unexpected revision.** Revision is due to classificatory and presentational changes. Specifically, this revision involves a more adequate account of the understatement of business income in tax statistics and the introduction of Dwellings in Private Gross Fixed Capital Expenditure.
9. **RGFCF87Q1 – Unexpected revision.** Revision is due to the adoption of the *Australian Accounting Standard 17 (AAS 17)*. Specifically, this revision reflects the shifts between the private and public sectors following the adoption of a revised treatment of finance leases consistent with the new

accounting standard '*Accounting for Leases*'. In addition, the General Government Capital Expenditure has declined since road repair and maintenance expenditure are now included in the Government Final Consumption Expenditure.

10. **RGFCF88Q1 – Unexpected revision.** Estimates of all aggregates have been revised in accordance with the revised annual estimates published in the *Australian National Accounts: National Income and Expenditure, 1986-87, Summary* (cat. no. 5201.0). Significant revisions have been made to a number of aggregates as a result of the incorporation of data from periodic benchmark collections (such as the 1985-86 Retail Census and the 1986 Population Census) or from the use of new data sources. In addition, many aggregates have been revised to incorporate later information from taxation assessment statistics, the gross value of farm production series and other sources. In particular, this revision involves modified completion methods used for this aggregate following the Engineering Construction Survey.
11. **RGFCF88Q2 – Two versions were released.** One version at 1979-80 prices and the other version at 1984-85 prices.
12. **RGFCF89Q3 – Unexpected revision.** Time series is revised due to annual benchmark revisions, the inclusion of preliminary annual estimates for 1988-89 and new data on trade in services. Estimates for the farm sector have been revised as a result of incorporating estimates of farm costs obtained from the *ABS Agricultural Finance Surveys* conducted in 1986-87 and 1987-88.
13. **RGFCF88Q2 to RGFCF92Q4 – At 1984-85 prices.**
14. **RGFCF93Q1 – Unexpected revision.** Revisions are due to an annual seasonal re-analysis and changes in the sources and methods used to compile the constant price estimates. These are outlined in the Information Paper: *Australian National Accounts: Introduction of Constant Price Estimates at Average 1989-90 Prices* (cat. no. 5243.0) (25 February 1993).
15. **RGFCF93Q1 to RGFCF98Q3 – At 1989-90 prices.**

16. **RGFCF94Q3 – Unexpected revision.** Quarterly estimates were revised as a result of incorporating annual benchmark data.
17. **RGFCF97Q1 – Unexpected revision.** Revision due to revised annual benchmark estimates. In addition, seasonally adjusted estimates have been revised following the annual seasonal re-analysis. The most significant revision arose from the incorporation of income tax benchmarks for gross operating surplus for companies and unincorporated enterprises (for 1994-95) and private gross fixed capital expenditure on equipment (for 1993-94 and 1994-95).
18. **RGFCF98Q4 – First published RGFCF measures using chain volume method.** Major changes were introduced to reflect the implementation of new international standards for the compilation and presentation of national accounts as in the *System of National Accounts, 1993 (SNA93)*. The changes include the integration of input-output tables with the quarterly and annual estimates of national income, expenditure and product and the introduction of chain volume measures. In addition, a number of other content and formatting changes were introduced. For further details, see the Information Papers *Upgraded Australian National Accounts, 1998* (cat. no. 5253.0) (4 November 1998), the associated *Addendum* (11 November 1998), *Implementation of Revised International Standards in the Australian National Accounts* (cat. no. 5251.0) (30 September 1997) and *Introduction of Chain Volume Measures in the Australian National Accounts* (cat. no. 5248.0) (19 March 1998).
19. **RGFCF98Q4 to RGFCF99Q2 – Reference year is 1996-97.**
20. **RGFCF99Q3 to RGFCF00Q2 – Reference year is 1997-98.**
21. **RGFCF00Q3 to RGFCF01Q2 – Reference year is 1998-99.**
22. **RGFCF01Q3 to RGFCF02Q2 – Reference year is 1999-00.**
23. **RGFCF02Q3 to RGFCF03Q2 – Reference year is 2000-01.**
24. **RGFCF02Q4 – Unexpected revision.** Revision due to more up-to-date data, a revised annual benchmark and an annual seasonal re-analysis.
25. **RGFCF03Q3 to RGFCF04Q2 – Reference year is 2001-02.**

26. **RGFCF04Q3 to RGFCF05Q2 – Reference year is 2002-03.**
27. **RGFCF05Q4 – Unexpected revision.** Revised measures to many series as a result of benchmarking quarterly series to annual benchmarks from the annual Supply and Use Tables for 1994-95 to 2003-04.
28. **RGFCF06Q3 to RGFCF07Q3 – Reference year is 2004-05.**
29. **RGFCF06Q4 – Unexpected revision.** Quarterly series are benchmarked to revised annual Supply and Use Tables for 2002-03 to 2004-05. In addition, an annual seasonal re-analysis was undertaken on all series.
30. **RGFCF07Q1 – Unexpected revision.** Introduction of a concurrent adjustment for seasonality.
31. **RGFCF07Q4 to RGFCF08Q3 – Reference year is 2005-06.**
32. **RGFCF08Q4 to RGFCF09Q3 – Reference year is 2006-07.**
33. **RGFCF09Q4 – Unexpected revision.** Introduction of new international standards.
34. **RGFCF09Q4 to RGFCF10Q3 – Reference year is 2007-08.**
35. **RGFCF10Q4 to ... – Reference year is 2008-09.**

**RINVCHI – Real Changes in Inventories**

1. **Definition (as of June 2011)<sup>6</sup>:** Changes in Inventories measure the increase in the book value of inventories adjusted by the inventory valuation adjustments. Constant price measures up to the 1998Q3 vintage and chain volume measures thereafter.
2. **Vintage Date:** The vintage date reflects the quarter in which the publication is released.
3. **Reference Date:** The reference date refers to the date to which the observation is referring to.
4. **Variable Name Changes:** This variable has undergone several name changes; see Table 1 for details.

*Table 1: Variable Name Changes*

Period	Variable Name
1960Q4 – 1963Q2	Investment in Stocks
1963Q4 – 1970Q4	Increase in Value of Stocks
1971Q1 – 1972Q4	Value of Physical Changes in Stocks
1973Q1 – 1998Q3	Increase in Stocks
1998Q4 - present	Changes in Inventories

5. **First Quarterly Vintage:** 1971Q3 dating back to 1969Q1.
6. **Earliest Observation:** Historical series available dating back to 1959Q3, although not for all vintages.
7. **Seasonality:** Seasonally adjusted from the 1971Q4 vintage.
8. **Unit of Observations:** Millions of dollars.
9. **Base Prices of Observations:** Observations are at constant prices. The base year changes approximately every five years before the introduction of the chain volume measure in 1998Q4 and every three to five quarters thereafter.
10. **Quarterly Vintage Names:** RINVCHIyyQq, where yy is the year of the vintage, Q refers to Quarter and q the number of the vintage quarter. For

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<sup>6</sup> Source: *Australian System of National Accounts (cat. no. 5204.0)*, 2009-10.

example, the column heading RINVCHI75Q1 indicates that this column contains observations available in the first quarter of 1975.

11. **Publication Delay:** The quarterly vintages are obtained from the issue released in the last month of any quarter (typically in the first week of the month). The data in these vintages relate to the observation of the respective series in the previous quarter. For example, data for the first quarter is available in the issue released in the first week of June. Therefore, there is a one quarter delay in the release of data.

*Table 2: Publication Delay*

First Observation of	Reference Date in ABS Publication	ABS Publication Date	Vintage Date
Q1	March	First week in June	Q2
Q2	June	First week in September	Q3
Q3	September	First week in December	Q4
Q4	December	First week in March	Q1

12. **Revisions:**

- a. An annual seasonal re-analysis took place in either the December or March quarter until 2006Q4. From 2007Q1 onwards, a concurrent adjustment for seasonality was adopted resulting in an updating of the estimates in every quarter.
- b. Annual revisions take place in either the June or September quarter following an adjustment to the annual data to ensure consistency with the quarterly data.

13. **Chain Volume Measure:** First introduced in the 1998Q4 vintage. Prior to this, the estimates are at constant prices where the base year changes approximately every five years. The method used to compute the chain volume index is detailed in the *Australian System of National Accounts: Concepts, Sources and Methods* (cat. no. 5216.0), Chapter 10. The chain volume measures are expressed in terms of the values of a particular reference year as recommended in the *System of National Accounts, 1993* (SNA93). The reference year is the year prior to the latest complete financial year and up

until the 2006Q3 vintage was updated annually. From 2007 onwards, the reference year is updated in the fourth quarter vintage.

14. **Data Sources:** The primary data source is the ABS publication *Australian National Accounts: National Income, Expenditure and Product* (cat. no. 5206.0). Deep-history vintages are obtained from various sources including the ABS publication *Supplement to Quarterly Estimates of National Income and Expenditure* (cat. no. 5207.0), *Time Series Data* (cat. no. 1311.0 & 1335.0) and *NIF-10S Model Data* (cat. no. 1313.0 & 1343.0) available on microfiche, PC *AusStats* CD ROMs and data obtained directly from ABS personnel; see Table 3 for details.

Table 3: Sources of Data Series

Publication Date	Reference	Format	Source
1971Q3 – 1972Q1	<i>Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5206.0)	Microfiche	The University of Melbourne, Baillieu Library
1972Q2 – 1979Q3	<i>Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5206.0)	PDF	Online
	<i>Supplement to Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5207.0) and ABS	Microfiche	The University of Melbourne, Baillieu Library, ABS House, Canberra
1979Q4 – 1988Q1	<i>Quarterly Estimates of National Income and Expenditure, Australia</i> (cat. no. 5206.0)	PDF	Online
	<i>Time Series Data</i> (cat. no. 1311.0) and <i>NIF-10S Model Data</i> (cat. no. 1313.0)	Microfiche	The University of Melbourne, Baillieu Library, the National Library and ABS House, Canberra



Table 3: Sources of Data Series (Continued)

Publication Date	Reference	Format	Source
1988Q2 – 1992Q4	<i>Australian National Accounts, National Income and Expenditure</i> (cat. no. 5206.0)	PDF	Online
	<i>Time Series Data</i> (cat. no. 1335.0), <i>NIF-10S Model Data</i> (cat. no. 1343.0)	Micro-fiche	The University of Melbourne, Baillieu Library, the National Library and ABS House, Canberra
1993Q1 – 2005Q3	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	PDF	Online
	<i>NIF-10S Model Data</i> (cat. no. 1343.0), <i>PC AusStats CD ROMs</i> and <i>Australian National Accounts, 1998-2005 workbooks</i> .	Micro-fiche & CDs	The University of Melbourne, Baillieu Library, ABS House, Canberra
2005Q4 – 2006Q2	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	Lotus 123	Online
2006Q3 – present	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0); Table 2; Series ID: A2304112A.	Excel workbook	Online

**Special notes:**

1. **RINVCHI71Q3 – First constant price RINVCHI measures.** Observations at 1966-67 prices and are not seasonally adjusted.
2. **RINVCHI71Q4 – First constant price, seasonally adjusted RINVCHI measures (estimated).** Data are at 1966-67 prices.
3. **RINVCHI71Q4 to RINVCHI74Q4 – Irregularity in observations.** Data reported are the sum of the following two items: Value of Physical Changes in Stocks and Statistical Discrepancy.
4. **RINVCHI78Q1 – Unexpected revision.** Revision due to new methodologies and new data sources used in revaluing the current price estimates.
5. **RINVCHI78Q1 to RINVCHI81Q4 – At 1974-75 prices.**
6. **RINVCHI82Q1 – Unexpected revision.** Revision due to the use of new methodologies in some components (principally private gross fixed capital expenditure, increase in private non-farm stocks, and exports and imports of goods and services), the use of some new sources of data, the availability of firmer data and revised annual estimates.
7. **RINVCHI82Q1 to RINVCHI88Q2 – At 1979-80 prices.**
8. **RINVCHI85Q1 – Unexpected revision.** Revision is due to the conceptual and classificatory changes made to the Public Finance data system.
9. **RINVCHI86Q1 – Unexpected revision.** Revision is due to a more adequate allowance for understatement of income as reported for income tax purposes.
10. **RINVCHI87Q1 – Unexpected revision.** Revision is due to the adoption of the *Australian Accounting Standard 17 (AAS 17)*.
11. **RINVCHI87Q3 – Unexpected revision.** Revised due to a change in the treatment of payroll tax paid by the general government.
12. **RINVCHI88Q1 – Unexpected revision.** Estimates of all aggregates have been revised in accordance with the revised annual estimates published in the *Australian National Accounts: National Income and Expenditure, 1986-87, Summary* (cat. no. 5201.0). Significant revisions have been made to a number

of aggregates as a result of the incorporation of data from periodic benchmark collections (such as the 1985-86 Retail Census and the 1986 Population Census) or from the use of new data sources. In addition, many aggregates have been revised to incorporate later information from taxation assessment statistics, the gross value of farm production series and other sources.

13. **RINVCHI88Q2 – Two versions were released.** One version at 1979-80 prices and the other version at 1984-85 prices.
14. **RINVCHI88Q2 to RINVCHI91Q4 – At 1984-85 prices.**
15. **RINVCHI89Q3 – Unexpected revision.** Time series is revised due to annual benchmark revisions, the inclusion of preliminary annual estimates for 1988-89 and new data on trade in services. Estimates for the farm sector have been revised as a result of incorporating estimates of farm costs obtained from the *ABS Agricultural Finance Surveys* conducted in 1986-87 and 1987-88.
16. **RINVCHI92Q1 – At 1984-85 prices.**
17. **RINVCHI93Q1 – Unexpected revision.** Revisions are due to an annual seasonal re-analysis and changes in the sources and methods used to compile the constant price estimates. These are outlined in the Information Paper: *Australian National Accounts: Introduction of Constant Price Estimates at Average 1989-90 Prices* (cat. no. 5243.0) (25 February 1993).
18. **RINVCHI93Q1 to RINVCHI98Q3 – In 1989-90 Prices.**
19. **RINVCHI94Q3 – Unexpected revision.** Quarterly estimates have been revised as a result of incorporating annual benchmark data.
20. **RINVCHI97Q1 – Unexpected revision.** Revision due to revised annual benchmark estimates. In addition, seasonally adjusted estimates have been revised following the annual seasonal re-analysis.
21. **RINVCHI98Q4 – First published RINVCHI measures using chain volume method.** Major changes were introduced to reflect the implementation of new international standards for the compilation and presentation of national accounts as in the *System of National Accounts, 1993 (SNA93)*. The changes include the integration of input-output tables with the quarterly and annual

estimates of national income, expenditure and product and the introduction of chain volume measures. In addition, a number of other content and formatting changes were introduced. For further details, see the Information Papers *Upgraded Australian National Accounts*, 1998 (cat. no. 5253.0) (4 November 1998), the associated *Addendum* (11 November 1998), *Implementation of Revised International Standards in the Australian National Accounts* (cat. no. 5251.0) (30 September 1997) and *Introduction of Chain Volume Measures in the Australian National Accounts* (cat. no. 5248.0) (19 March 1998).

22. **RINVCHI98Q4 to RINVCHI99Q2 – Reference year is 1996-97.**
23. **RINVCHI99Q3 to RINVCHI00Q2 – Reference year is 1997-98.**
24. **RINVCHI00Q3 to RINVCHI01Q2 – Reference year is 1998-99.**
25. **RINVCHI01Q3 to RINVCHI02Q2 – Reference year is 1999-00.**
26. **RINVCHI02Q3 to RINVCHI03Q2 – Reference year is 2000-01.**
27. **RINVCHI02Q4 – Unexpected revision.** Revision due to more up-to-date data, a revised annual benchmark and an annual seasonal re-analysis.
28. **RINVCHI03Q3 to RINVCHI04Q2 – Reference year is 2001-02.**
29. **RINVCHI04Q3 to RINVCHI05Q2 – Reference year is 2002-03.**
30. **RINVCHI05Q3 to RINVCHI06Q2 – Reference year is 2003-04.**
31. **RINVCHI05Q4 – Unexpected revision.** Revised measures to many series as a result of benchmarking quarterly series to annual benchmarks from the annual Supply and Use Tables for 1994-95 to 2003-04.
32. **RINVCHI06Q3 to RINVCHI07Q3 – Reference year is 2004-05.**
33. **RINVCHI06Q4 – Unexpected revision.** Quarterly series are benchmarked to revised annual Supply and Use Tables for 2002-03 to 2004-05. In addition, an annual seasonal re-analysis was undertaken on all series.
34. **RINVCHI07Q1 – Unexpected revision.** Introduction of a concurrent adjustment for seasonality.
35. **RINVCHI07Q4 to RINVCHI08Q3 – Reference year is 2005-06.**
36. **RINVCHI08Q4 to RINVCHI09Q3 – Reference year is 2006-07.**

- 37. **RINVCHI09Q4 – Unexpected revision.** Introduction of new international standards.
- 38. **RINVCHI09Q4 to RINVCHI10Q3 – Reference year is 2007-08.**
- 39. **RINVCHI10Q4 to ... – Reference year is 2008-09.**

**REX – Real Exports of Goods and Services**

1. **Definition (as of June 2011)**<sup>7</sup>: Exports of Goods and Services measure the value of goods exported and amounts receivable from non-residents for the provision of services by residents. Constant price measures up to the 1998Q3 vintage and chain volume measures thereafter.
2. **Vintage Date**: The vintage date reflects the quarter in which the publication is released.
3. **Reference Date**: The reference date refers to the date to which the observation is referring to.
4. **First Quarterly Vintage**: 1971Q3 dating back to 1969Q1.
5. **Earliest Observation**: Historical series available dating back to 1959Q3, although not for all vintages.
6. **Seasonality**: Seasonally adjusted from the 1971Q4 vintage.
7. **Unit of Observations**: Millions of dollars.
8. **Base Prices of Observations**: Observations are at constant prices. The base year changes approximately every five years before the introduction of the chain volume measure in 1998Q4 and every three to five quarters thereafter.
9. **Quarterly Vintage Names**: REXyyQq, where yy is the year of the vintage, Q refers to Quarter and q the number of the vintage quarter. For example the column heading REX75Q1 indicates that this column contains observations available in the first quarter of 1975.
10. **Publication Delay**: The quarterly vintages are obtained from the issue released in the last month of any quarter (typically in the first week of the month). The data in these vintages relate to the observation of the respective series in the previous quarter. For example, data for the first quarter is available in the issue released in the first week of June. Therefore, there is a one quarter delay in the release of data.

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<sup>7</sup> Source: *Australian System of National Accounts (cat. no. 5204.0)*, 2009-10.

Table 1: Publication Delay

First Observation of	Reference Date in ABS Publication	ABS Publication Date	Vintage Date
Q1	March	First week in June	Q2
Q2	June	First week in September	Q3
Q3	September	First week in December	Q4
Q4	December	First week in March	Q1

### 11. Revisions:

- a. An annual seasonal re-analysis took place in either the December or March quarter until 2006Q4. From 2007Q1 onwards, a concurrent adjustment for seasonality was adopted resulting in an updating of the estimates in every quarter.
- b. Annual revisions take place in either the June or September quarter following an adjustment on the annual data to ensure consistency with the quarterly data.

12. **Chain Volume Measure:** First introduced in the 1998Q4 vintage. Prior to this, the estimates are at constant prices where the base year changes approximately every five years. The method used to compute the chain volume index is detailed in the *Australian System of National Accounts: Concepts, Sources and Methods* (cat. no. 5216.0), Chapter 10. The chain volume measures are expressed in terms of the values of a particular reference year as recommended in the *System of National Accounts, 1993 (SNA93)*. The reference year is the year prior to the latest complete financial year and up until the 2006Q3 vintage was updated annually. From 2007 onwards, the reference year is updated in the fourth quarter vintage.

13. **Data Sources:** The primary data source is the ABS publication *Australian National Accounts: National Income, Expenditure and Product* (cat. no. 5206.0). Deep-history vintages are obtained from various sources including the ABS publication *Supplement to Quarterly Estimates of National Income and Expenditure* (cat. no. 5207.0), *Time Series Data* (cat. no. 1311.0 & 1335.0)

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and *NIF-10S Model Data* (cat. no. 1313.0 & 1343.0) available on microfiche, *PC AusStats* CD ROMs and data obtained directly from ABS personnel; see Table 2 for details.

Table 2: Sources of Data Series

Publication Date	Reference	Format	Source
1971Q3 – 1972Q1	<i>Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5206.0)	Microfiche	The University of Melbourne, Baillieu Library
1972Q2 – 1979Q3	<i>Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5206.0)	PDF	Online
	<i>Supplement to Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5207.0) and ABS	Microfiche	The University of Melbourne, Baillieu Library and ABS House, Canberra
1979Q4 – 1988Q1	<i>Quarterly Estimates of National Income and Expenditure, Australia</i> (cat. no. 5206.0)	PDF	Online
	<i>Time Series Data</i> (cat. no. 1311.0) and <i>NIF-10S Model Data</i> (cat. no. 1313.0)	Microfiche	The University of Melbourne, Baillieu Library, the National Library and ABS House, Canberra
1988Q2 – 1992Q4	<i>Australian National Accounts, National Income and Expenditure</i> (cat. no. 5206.0)	PDF	Online
	<i>Time Series Data</i> (cat. no. 1335.0), <i>NIF-10S Model Data</i> (cat. no. 1343.0)	Microfiche	The University of Melbourne, Baillieu Library, the National Library and ABS House, Canberra



Table 2: Sources of Data Series (Continued)

Publication Date	Reference	Format	Source
1993Q1 – 2005Q3	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	PDF	Online
	<i>NIF-10S Model Data</i> (cat. no. 1343.0), <i>PC AusStats</i> CD ROMs and <i>Australian National Accounts, 1998-2005</i> workbooks.	Micro-fiche & CDs	The University of Melbourne, Baillieu Library, ABS House, Canberra
2005Q4 – 2006Q2	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	Lotus 123	Online
2006Q3 – present	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0); Table 2; Series ID: A2304114F.	Excel workbook	Online

**Special notes:**

1. **REX71Q3 – First constant price REX measures.** Observations at 1966-67 prices and are not seasonally adjusted.
2. **REX71Q4 – First constant price, seasonally adjusted REX measures.** Data are at 1966-67 prices.
3. **REX73Q3 – Unusual entries.** The 1973Q2 vintage contains combined figures for the 1972Q3-Q4 and 1973Q1-Q2 reference dates.
4. **REX78Q1 – Unexpected revision.** Revision due to new methodologies and new data sources used in revaluing the current price estimates.
5. **REX78Q1 to REX81Q4 – At 1974-75 prices.**
6. **REX82Q1 – Unexpected revision.** Revision due to the use of new methodologies in some components (principally private gross fixed capital expenditure, increase in private non-farm stocks, and exports and imports of goods and services), the use of some new sources of data, the availability of firmer data and revised annual estimates.
7. **REX82Q1 to REX88Q2 – At 1979-80 prices.**
8. **REX88Q1 – Unexpected revision.** Estimates of all aggregates have been revised in accordance with the revised annual estimates published in the *Australian National Account: National Income and Expenditure, 1986-87, Summary* (cat. no. 5201.0). Significant revisions have been made to a number of aggregates as a result of the incorporation of data from periodic benchmark collections (such as the 1985-86 Retail Census and the 1986 Population Census) or from the use of new data sources. In addition, many aggregates have been revised to incorporate later information from taxation assessment statistics, the gross value of farm production series and other sources.
9. **REX88Q2 – Two versions were released.** One version at 1979-80 prices and the other version at 1984-85 prices.
10. **REX88Q2 to REX92Q4 – At 1984-85 prices.**

11. **REX89Q3 – Unexpected revision.** Time series is revised due to annual benchmark revisions, the inclusion of preliminary annual estimates for 1988-89 and new data on trade in services. Estimates for the farm sector have been revised as a result of incorporating estimates of farm costs obtained from the *ABS Agricultural Finance Surveys* conducted in 1986-87 and 1987-88.
12. **REX93Q1 – Unexpected revision.** Revisions are due to an annual seasonal re-analysis and changes in the sources and methods used to compile the constant price estimates. These are outlined in the Information Paper: *Australian National Accounts: Introduction of Constant Price Estimates at Average 1989-90 Prices* (cat. no. 5243.0) (25 February 1993).
13. **REX93Q1 to REX98Q3 – At 1989-90 prices.**
14. **REX94Q3 – Unexpected revision.** Quarterly estimates have been revised as a result of incorporating annual benchmark data. Specifically this revision involves improved sources and methods used in estimating several components.
15. **REX97Q1 – Unexpected revision.** Revision due to revised annual benchmark estimates. In addition, seasonally adjusted estimates have been revised following the annual seasonal re-analysis.
16. **REX98Q4 – First published REX measures using chain volume method.** Major changes were introduced to reflect the implementation of new international standards for the compilation and presentation of national accounts as in the *System of National Accounts, 1993 (SNA93)*. The changes include the integration of input-output tables with the quarterly and annual estimates of national income, expenditure and product and the introduction of chain volume measures. In addition, a number of other content and formatting changes were introduced. For further details, see the Information Papers *Upgraded Australian National Accounts, 1998* (cat. no. 5253.0) (4 November 1998), the associated *Addendum* (11 November 1998), *Implementation of Revised International Standards in the Australian National Accounts* (cat. no.

5251.0) (30 September 1997) and *Introduction of Chain Volume Measures in the Australian National Accounts* (cat. no. 5248.0) (19 March 1998).

17. **REX98Q4 to REX99Q2 – Reference year is 1996-97.**
18. **REX99Q3 to REX00Q2 – Reference year is 1997-98.**
19. **REX00Q3 to REX01Q2 – Reference year is 1998-99.**
20. **REX01Q3 to REX02Q2 – Reference year is 1999-00.**
21. **REX02Q3 to REX03Q2 – Reference year is 2000-01.**
22. **REX02Q4 – Unexpected revision.** Revision due to more up-to-date data, a revised annual benchmark and an annual seasonal re-analysis.
23. **REX03Q3 to REX04Q2 – Reference year is 2001-02.**
24. **REX04Q3 to REX05Q2 – Reference year is 2002-03.**
25. **REX05Q3 to REX06Q2 – Reference year is 2003-04.**
26. **REX05Q4 – Unexpected revision.** Revised measures to many series as a result of benchmarking quarterly series to annual benchmarks from the annual Supply and Use Tables for 1994-95 to 2003-04.
27. **REX06Q3 to REX07Q3 – Reference year is 2004-05.**
28. **REX06Q4 – Unexpected revision.** Quarterly series are benchmarked to revised annual Supply and Use Tables for 2002-03 to 2004-05. In addition, an annual seasonal re-analysis was undertaken on all series.
29. **REX07Q1 – Unexpected revision.** Introduction of a concurrent adjustment for seasonality.
30. **REX07Q4 to REX08Q3 – Reference year is 2005-06.**
31. **REX08Q4 to REX09Q3 – Reference year is 2006-07.**
32. **REX09Q4 – Unexpected revision.** Introduction of new international standards.
33. **REX09Q4 to REX10Q3 – Reference year is 2007-08.**
34. **REX10Q4 to ... – Reference year is 2008-09.**

**RIM – Real Imports of Goods and Services**

1. **Definition (as of June 2011)<sup>8</sup>:** Imports of Goods and Services measure the value of goods imported and amounts payable to non-residents for the provision of services to residents. Constant price measures up to the 1998Q3 vintage and chain volume measures thereafter.
2. **Vintage Date:** The vintage date reflects the quarter in which the publication is released.
3. **Reference Date:** The reference date refers to the date to which the observation is referring to.
4. **First Quarterly Vintage:** 1971Q3 dating back to 1969Q1.
5. **Earliest Observation:** Historical series available dating back to 1959Q3, although not for all vintages.
6. **Seasonality:** Seasonally adjusted from the 1971Q4 vintage.
7. **Unit of Observations:** Millions of dollars.
8. **Base Prices of Observations:** Observations are at constant prices. The base year changes approximately every five years before the introduction of the chain volume measure in 1998Q4 and every three to five quarters thereafter.
9. **Quarterly Vintage Names:** RIMyyQq, where yy is the year of the vintage, Q refers to Quarter and q the number of the vintage quarter. For example, the column heading RIM75Q1 indicates that this column contains observations available in the first quarter of 1975.
10. **Publication Delay:** The quarterly vintages are obtained from the issue released in the last month of any quarter (typically in the first week of the month). The data in these vintages relate to the observation of the respective series in the previous quarter. For example, data for the first quarter is available in the issue released in the first week of June. Therefore, there is a one quarter delay in the release of data.

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<sup>8</sup> Source: *Australian System of National Accounts (cat. no. 5204.0)*, 2009-10.

Table 1: Publication Delay

First Observation of	Reference Date in ABS Publication	ABS Publication Date	Vintage Date
Q1	March	First week in June	Q2
Q2	June	First week in September	Q3
Q3	September	First week in December	Q4
Q4	December	First week in March	Q1

### 11. Revisions:

- a. An annual seasonal re-analysis took place in either the December or March quarter until 2006Q4. From 2007Q1 onwards, a concurrent adjustment for seasonality was adopted resulting in an updating of the estimates in every quarter.
- b. Annual revisions take place in either the June or September quarter following an adjustment to the annual data to ensure consistency with the quarterly data.

12. **Chain Volume Measure:** First introduced in 1998Q4. Prior to this, the estimates are at constant prices where the base year changes approximately every five years. The method used to compute the chain volume index is detailed in the *Australian System of National Accounts: Concepts, Sources and Methods* (cat. no. 5216.0), Chapter 10. The chain volume measures are expressed in terms of the values of a particular reference year as recommended in the *System of National Accounts, 1993 (SNA93)*. The reference year is the year prior to the latest complete financial year and up until the 2006Q3 vintage was updated annually. From 2007 onwards, the reference year is updated in the fourth quarter vintage.

13. **Data Sources:** The primary data source is the ABS publication *Australian National Accounts: National Income, Expenditure and Product* (cat. no. 5206.0). Deep-history vintages are obtained from various sources including the ABS publication *Supplement to Quarterly Estimates of National Income and Expenditure* (cat. no. 5207.0), *Time Series Data* (cat. no. 1311.0 & 1335.0)

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and *NIF-10S Model Data* (cat. no. 1313.0 & 1343.0) available on microfiche, *PC AusStats* CD ROMs and data obtained directly from ABS personnel; see Table 2 for details.

Table 2: Sources of Data Series

Publication Date	Reference	Format	Source
1971Q3 – 1972Q1	<i>Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5206.0)	Microfiche	The University of Melbourne, Baillieu Library
1972Q2 – 1979Q3	<i>Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5206.0)	PDF	Online
	<i>Supplement to Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5207.0) and ABS	Microfiche	The University of Melbourne, Baillieu Library, ABS House, Canberra
1979Q4 – 1988Q1	<i>Quarterly Estimates of National Income and Expenditure, Australia</i> (cat. no. 5206.0)	PDF	Online
	<i>Time Series Data</i> (cat. no. 1311.0) and <i>NIF-10S Model Data</i> (cat. no. 1313.0)	Microfiche	The University of Melbourne, Baillieu Library, the National Library and ABS House, Canberra
1988Q2 – 1992Q4	<i>Australian National Accounts, National Income and Expenditure</i> (cat. no. 5206.0)	PDF	Online
	<i>Time Series Data</i> (cat. no. 1335.0), <i>NIF-10S Model Data</i> (cat. no. 1343.0)	Microfiche	The University of Melbourne, Baillieu Library, the National Library and ABS House, Canberra

Table 2: Sources of Data Series (Continued)

Publication Date	Reference	Format	Source
1993Q1 – 2005Q3	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	PDF	Online
	<i>NIF-10S Model Data</i> (cat. no. 1343.0), <i>PC AusStats</i> CD ROMs and <i>Australian National Accounts, 1998-2005</i> workbooks.	Micro-fiche & CDs	The University of Melbourne, Baillieu Library, ABS House, Canberra
2005Q4 – 2006Q2	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	Lotus 123	Online
2006Q3 – present	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0); Table 2; Series ID: A2304115J.	Excel workbook	Online



**Special notes:**

1. **RIM71Q3 – First constant price RIM measures.** Observations at 1966-67 prices and are not seasonally adjusted.
2. **RIM71Q4 - First constant price, seasonally adjusted RIM measures.** Data are at 1966-67 prices.
3. **RIM73Q3 – Unusual entries.** The 1973Q2 vintage contains combined figures for 1972Q3-Q4 and 1973Q1-Q2.
4. **RIM78Q1 – Unexpected revision.** Revision due to new methodologies and new data sources used in revaluing the current price estimates.
5. **RIM78Q1 to RIM81Q4 – At 1974-75 prices.**
6. **RIM82Q1 – Unexpected revision.** Revision due to the use of new methodologies in some components (principally private gross fixed capital expenditure, increase in private non-farm stocks, and exports and imports of goods and services), the use of some new sources of data, the availability of firmer data and revised annual estimates.
7. **RIM82Q1 to RIM88Q2 – At 1979-80 prices.**
8. **RIM88Q1 – Unexpected revision.** Estimates of all aggregates have been revised in accordance with the revised annual estimates published in the *Australian National Accounts: National Income and Expenditure, 1986-87, Summary* (cat. no. 5201.0). Significant revisions have been made to a number of aggregates as a result of the incorporation of data from periodic benchmark collections (such as the 1985-86 Retail Census and the 1986 Population Census) or from the use of new data sources. In addition, many aggregates have been revised to incorporate later information from taxation assessment statistics, the gross value of farm production series and other sources.
9. **RIM88Q2 – Two versions were released.** One version at 1979-80 prices and the other version at 1984-85 prices.
10. **RIM88Q2 to RIM92Q4 – At 1984-85 prices.**

11. **RIM89Q3 – – Unexpected revision.** Time series is revised due to annual benchmark revisions, the inclusion of preliminary annual estimates for 1988-89 and new data on trade in services. Estimates for the farm sector have been revised as a result of incorporating estimates of farm costs obtained from the *ABS Agricultural Finance Surveys* conducted in 1986-87 and 1987-88.
12. **RIM93Q1 – Unexpected revision.** Revisions are due to an annual seasonal re-analysis and changes in the sources and methods used to compile the constant price estimates. These are outlined in an Information Paper: *Australian National Accounts: Introduction of Constant Price Estimates at Average 1989-90 Prices* (cat. no. 5243.0) (25 February 1993).
13. **RIM93Q1 to RIM98Q3 – At 1989-90 prices.**
14. **RIM94Q3 – Unexpected revision.** Quarterly estimates have been revised as a result of incorporating annual benchmark data. Specifically, this revision involves changes for all years due to improved source and method used in estimating several components.
15. **RIM97Q1 – Unexpected revision.** Revision due to revised annual benchmark estimates. In addition, seasonally adjusted estimates have been revised following the annual seasonal re-analysis.
16. **RIM98Q4 – First published RIM measures using chain volume method.** Major changes were introduced to reflect the implementation of new international standards for the compilation and presentation of national accounts as in the *System of National Accounts, 1993 (SNA93)*. The changes include the integration of input-output tables with the quarterly and annual estimates of national income, expenditure and product and the introduction of chain volume measures. In addition, a number of other content and formatting changes were introduced. For further details, see the Information Papers *Upgraded Australian National Accounts, 1998* (cat. no. 5253.0) (4 November 1998), the associated *Addendum* (11 November 1998), *Implementation of Revised International Standards in the Australian National Accounts* (cat. no.

5251.0) (30 September 1997) and *Introduction of Chain Volume Measures in the Australian National Accounts* (cat. no. 5248.0) (19 March 1998).

17. **RIM98Q4 to RIM99Q2 – Reference year is 1996-97.**
18. **RIM99Q3 to RIM00Q2 – Reference year is 1997-98.**
19. **RIM00Q3 to RIM01Q2 – Reference year is 1998-99.**
20. **RIM01Q3 to RIM02Q2 – Reference year is 1999-00.**
21. **RIM02Q3 to RIM03Q2 – Reference year is 2000-01.**
22. **RIM02Q4 – Unexpected revision.** Revision due to more up-to-date data, a revised annual benchmark and an annual seasonal re-analysis.
23. **RIM03Q3 to RIM04Q2 – Reference year is 2001-02.**
24. **RIM04Q3 to RIM05Q2 – Reference year is 2002-03.**
25. **RIM05Q3 to RIM06Q2 – Reference year is 2003-04.**
26. **RIM05Q4 – Unexpected revision.** Revised measures to many series as a result of benchmarking quarterly series to annual benchmarks from the annual Supply and Use Tables for 1994-95 to 2003-04.
27. **RIM06Q3 to RIM07Q3 – Reference year is 2004-05.**
28. **RIM06Q4 – Unexpected revision.** Quarterly series are benchmarked to revised annual Supply and Use Tables for 2002-03 to 2004-05. In addition, an annual seasonal re-analysis was undertaken on all series.
29. **RIM07Q1 – Unexpected revision.** Introduction of a concurrent adjustment for seasonality.
30. **RIM07Q4 to RIM08Q3 – Reference year is 2005-06.**
31. **RIM08Q4 to RIM09Q3 – Reference year is 2006-07.**
32. **REX09Q4 – Unexpected revision.** Introduction of new international standards.
33. **RIM09Q4 to RIM10Q3 – Reference year is 2007-08.**
34. **RIM10Q4 to ... – Reference year is 2008-09.**

## **GDP and Components of GDP**

### **Nominal GDP and its Components**

Measured at a quarterly frequency and published quarterly; current price measures; seasonally adjusted.

## NGDP – Nominal Gross Domestic Product

1. **Definition (as of June 2011)<sup>9</sup>:** Gross Domestic Product is the total market value of goods and services produced in Australia within a given period after deducting the cost of goods and services used up in the process of production but before deducting allowances for the consumption of fixed capital. Data at current price measures.
2. **Vintage Date:** The vintage date reflects the quarter in which the publication is released.
3. **Reference Date:** The reference date refers to the date to which the observation is referring to.
4. **First Quarterly Vintage:** 1967Q4 dating back to 1963Q3.
5. **Earliest Observation:** Historical series available dating back to 1958Q3, although not for all vintages.
6. **Seasonality:** Seasonally adjusted.
7. **Unit of Observations:** Millions of dollars.
8. **Quarterly Vintage Names:** NGDPyyQq, where yy is the year of the vintage, Q refers to Quarter and q the number of the vintage quarter. For example, the column heading NGDP75Q1 indicates that this column contains observations available in the first quarter of 1975.
9. **Publication Delay:** The quarterly vintages are obtained from the issue released in the last month of any quarter (typically in the first week of the month). The data in these vintages relate to the observation of the respective series in the previous quarter. For example, data for the first quarter is available in the issue released in the first week of June. Therefore, there is a one quarter delay in the release of data.

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<sup>9</sup> Source: *Australian System of National Accounts (cat. no. 5204.0)*, 2009-10.

Table 1: Publication Delay

First Observation of	Reference Date in ABS Publication	ABS Publication Date	Vintage Date
Q1	March	First week in June	Q2
Q2	June	First week in September	Q3
Q3	September	First week in December	Q4
Q4	December	First week in March	Q1

10. **Variables:** Prior to the 1973Q1 vintage, the nominal GDP measure refers to the nominal Gross National Product (GNP) measures obtained using the income approach. From 1973Q1 to 1998Q3, the nominal GDP measure refers to the nominal Gross Domestic Product (GDP) measure obtained using the income approach. From the 1998Q4 vintage onwards, the chain volume measure of nominal GDP is reported.

11. **Revisions:**

- a. An annual seasonal re-analysis took place in either the December or March quarter until 2006Q4. From 2007Q1 onwards, a concurrent adjustment for seasonality was adopted resulting in an updating of the estimates in every quarter.
- b. Annual revisions take place in either the June or September quarter following an adjustment to the annual data to ensure consistency with the quarterly data.

12. **Chain Volume Measure:** First introduced in 1998Q4. The method used to compute the chain volume index is detailed in the *Australian System of National Accounts: Concepts, Sources and Methods* (cat. no. 5216.0), Chapter 10.

13. **Data Sources:** The primary data source is the ABS publication *Australian National Accounts: National Income, Expenditure and Product* (cat. no. 5206.0). Deep-history vintages are obtained from various sources including the ABS publication *Supplement to Quarterly Estimates of National Income and Expenditure* (cat. no. 5207.0), *Time Series Data* (cat. no. 1311.0 & 1335.0)

and *NIF-10S Model Data* (cat. no. 1313.0 & 1343.0) available on microfiche, *PC AusStats* CD ROMs and data obtained directly from ABS personnel; see table 2 for details.

Table 2: Sources of Data Series

Publication Date	Reference	Format	Source
1967Q4 – 1972Q1	<i>Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5206.0)	Micro-fiche	The University of Melbourne, Baillieu Library
1972Q2 – 1979Q3	<i>Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5206.0)	PDF	Online
	<i>Supplement to Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5207.0)	Micro-fiche	The University of Melbourne, Baillieu Library
1979Q4 – 1988Q1	<i>Quarterly Estimates of National Income and Expenditure, Australia</i> (cat. no. 5206.0)	PDF	Online
	<i>Time Series Data</i> (cat. no. 1311.0) and <i>NIF-10S Model Data</i> (cat. no. 1313.0)	Micro-fiche	The University of Melbourne, Baillieu Library, the National Library and ABS House, Canberra
1988Q2 – 1991Q4	<i>Australian National Accounts, National Income and Expenditure</i> (cat. no. 5206.0)	PDF	Online
	<i>Time Series Data</i> (cat. no. 1335.0), <i>NIF-10S Model Data</i> (cat. no. 1343.0)	Micro-fiche	The University of Melbourne, Baillieu Library, the National Library and ABS House, Canberra

Table 2: Sources of Data Series (Continued)

Publication Date	Reference	Format	Source
1992Q1 – 1992Q4	<i>Australian National Accounts, National Income and Expenditure</i> (cat. no. 5206.0)	PDF	Online
	<i>Time Series Data</i> (cat. no. 1335.0) and <i>NIF-10S Model</i> (cat. no. 1343.0)	Micro-fiche & CDs	The National Library and ABS House, Canberra
1993Q1 – 2005Q3	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	PDF	Online
	<i>NIF-10S Model</i> (cat. no. 1343.0), <i>PC AusStats</i> CD ROMs and <i>Australian National Accounts, 2001-2005</i> workbooks.	Micro-fiche & CDs	The University of Melbourne, Baillieu Library, ABS House, Canberra
2005Q4 – 2006Q2	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	Lotus 123	Online
2006Q3 – present	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0); Table 3; Series ID: A2304418T.	Excel workbook	Online



**Special notes:**

1. **NGDP67Q4** – **First quarterly seasonally adjusted measure of nominal GNP(I) at current prices.**
2. **NGDP71Q3** – **First current price, seasonally adjusted nominal GDP(I) measures.**
3. **NGDP07Q1** – **Unexpected revision.** Introduction of a concurrent adjustment for seasonality.
4. **NGDP98Q4** – **First published seasonally adjusted nominal GDP measures using the chain volume method.**

## NHFCE – Nominal Household Final Consumption Expenditure

1. **Definition (as of June 2011)<sup>10</sup>:** Household Final Consumption Expenditure measures the net expenditure on goods and services by persons and expenditure of a current nature by private non-profit institutions serving households. This item excludes expenditures by unincorporated businesses and expenditures on assets by non-profit institutions (included in gross fixed capital formation). Data at current price measures.
2. **Vintage Date:** The vintage date reflects the quarter in which the publication is released.
3. **Reference Date:** The reference date refers to the date to which the observation is referring to.
4. **First Quarterly Vintage:** 2001Q4 dating back to 1959Q3.
5. **Earliest Observation:** Historical series available dating back to 1959Q3, although not for all vintages.
6. **Seasonality:** Seasonally adjusted.
7. **Unit of Observations:** Millions of dollars.
8. **Quarterly Vintage Names:** NHFCEyyQq, where yy is the year of the vintage, Q refers to Quarter and q the number of the vintage quarter. For example, the column heading NHFCE05Q1 indicates that this column contains observations available in the first quarter of 2005.
9. **Publication Delay:** The quarterly vintages are obtained from the issue released in the last month of any quarter (typically in the first week of the month). The data in these vintages relate to the observation of the respective series in the previous quarter. For example, data for the first quarter is available in the issue released in the first week of June. Therefore, there is a one quarter delay in the release of data.

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<sup>10</sup> Source: *Australian System of National Accounts (cat. no. 5204.0)*, 2009-10.

*Table 1: Publication Delay*

First Observation of	Reference Date in ABS Publication	ABS Publication Date	Vintage Date
Q1	March	First week in June	Q2
Q2	June	First week in September	Q3
Q3	September	First week in December	Q4
Q4	December	First week in March	Q1

**10. Revisions:**

- a. An annual seasonal re-analysis took place in either the December or March quarter until 2006Q4. From 2007Q1 onwards, a concurrent adjustment for seasonality was adopted resulting in an updating of the estimates in every quarter.
- b. Annual revisions take place in either the June or September quarter following an adjustment to the annual data to ensure consistency with the annual data.

**11. Chain Volume Measure:** First introduced in 1998Q4. The method used to compute the chain volume index is detailed in the *Australian System of National Accounts: Concepts, Sources and Methods* (cat. no. 5216.0), Chapter 10.

**12. Data Sources:** The primary data source is the ABS publication *Australian National Accounts: National Income, Expenditure and Product* (cat. no. 5206.0). Deep-history vintages are obtained directly from ABS personnel; see Table 2 for details.

Table 2: Sources of Data Series

Publication Date	Reference	Format	Source
2001Q4 – 2005Q3	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	PDF	Online
	<i>Australian National Accounts, 2001-2005 workbooks.</i>	Excel work-book	ABS House, Canberra
2005Q4 – 2006Q2	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	Lotus 123	Online
2006Q3 – present	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0); Table 3; Series ID: A2304037L.	Excel work-book	Online

**Special notes:**

1. **NHFCE01Q4 to ... – Seasonally adjusted chain volume measures.**

## NGFCE – Nominal General Government Final Consumption Expenditure

1. **Definition (as of June 2011)**<sup>11</sup>: General Government Final Consumption Expenditure measures the current expenditure by general government bodies on services to the community such as defence, education, and public order and safety less any explicit charges for these services. Data at current price measures.
2. **Vintage Date**: The vintage date reflects the quarter in which the publication is released.
3. **Reference Date**: The reference date refers to the date to which the observation is referring to.
4. **First Quarterly Vintage**: 2001Q4 dating back to 1959Q3.
5. **Earliest Observation**: Historical series available dating back to 1959Q3, although not for all vintages.
6. **Seasonality**: Seasonally adjusted.
7. **Unit of Observations**: Millions of dollars.
8. **Quarterly Vintage Names**: NGFCEyyQq, where yy is the year of the vintage, Q refers to Quarter and q the number of the vintage quarter. For example, the column heading NGFCE05Q1 indicates that this column contains observations available in the first quarter of 2005.
9. **Publication Delay**: The quarterly vintages are obtained from the issue released in the last month of any quarter (typically in the first week of the month). The data in these vintages relate to the observation of the respective series in the previous quarter. For example, data for the first quarter is available in the issue released in the first week of June. Therefore, there is a one quarter delay in the release of data.

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<sup>11</sup> Source: *Australian System of National Accounts (cat. no. 5204.0)*, 2009-10.

Table 1: Publication Delay

First Observation of	Reference Date in ABS Publication	ABS Publication Date	Vintage Date
Q1	March	First week in June	Q2
Q2	June	First week in September	Q3
Q3	September	First week in December	Q4
Q4	December	First week in March	Q1

#### 10. Revisions:

- a. An annual seasonal re-analysis took place in either the December or March quarter until 2006Q4. From 2007Q1 onwards, a concurrent adjustment for seasonality was adopted resulting in an updating of the estimates in every quarter.
- b. Annual revisions take place in either the June or September quarter following an adjustment to the annual data to ensure consistency with the quarterly data.

11. **Chain Volume Measure:** First introduced in 1998Q4. The method used to compute the chain volume index is detailed in the *Australian System of National Accounts: Concepts, Sources and Methods* (cat. no. 5216.0), Chapter 10.

12. **Data Sources:** The primary data source is the ABS publication *Australian National Accounts: National Income, Expenditure and Product* (cat. no. 5206.0). Deep-history vintages are obtained directly from ABS personnel; see Table 2 for details.

Table 2: Sources of Data Series

Publication Date	Reference	Format	Source
2001Q4 – 2005Q3	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	PDF	Online
	<i>Australian National Accounts, 2001-2005 workbooks.</i>	Excel work-book	ABS House, Canberra
2005Q4 – 2006Q2	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	Lotus 123	Online
2006Q3 – present	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0); Table 3; Series ID: A2304036K.	Excel work-book	Online



**Special notes:**

1. **NGFCE01Q4 to ... – Seasonally adjusted chain volume measures.**

## NGFCF – Nominal Gross Fixed Capital Formation

1. **Definition (as of June 2011)**<sup>12</sup>: Gross Fixed Capital Formation measures the expenditure by general government, private and public corporations on new fixed assets plus net expenditure on second-hand fixed assets whether for additions or replacements including defence weapons platforms that have an anticipated ongoing use (greater than one year). Data at current price measures.
2. **Vintage Date**: The vintage date reflects the quarter in which the publication is released.
3. **Reference Date**: The reference date refers to the date to which the observation is referring to.
4. **First Quarterly Vintage**: 2001Q4 dating back to 1959Q3.
5. **Earliest Observation**: Historical series available dating back to 1959Q3, although not for all vintages.
6. **Seasonality**: Seasonally adjusted.
7. **Unit of Observations**: Millions of dollars.
8. **Quarterly Vintage Names**: NGFCFyyQq, where yy is the year of the vintage, Q refers to Quarter and q the number of the vintage quarter. For example, the column heading NGFCF05Q1 indicates that this column contains observations available in the first quarter of 2005.
9. **Publication Delay**: The quarterly vintages are obtained from the issue released in the last month of any quarter (typically in the first week of the month). The data in these vintages relate to the observation of the respective series in the previous quarter. For example, data for the first quarter is available in the issue released in the first week of June. Therefore, there is a one quarter delay in the release of data.

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<sup>12</sup> Source: *Australian System of National Accounts (cat. no. 5204.0)*, 2009-10.

Table 1: Publication Delay

First Observation of	Reference Date in ABS Publication	ABS Publication Date	Vintage Date
Q1	March	First week in June	Q2
Q2	June	First week in September	Q3
Q3	September	First week in December	Q4
Q4	December	First week in March	Q1

#### 10. Revisions:

- a. An annual seasonal re-analysis took place in either the December or March quarter until 2006Q4. From 2007Q1 onwards, a concurrent adjustment for seasonality was adopted resulting in an updating of the estimates in every quarter.
- b. Annual revisions take place in either the June or September quarter following an adjustment to the annual data to ensure consistency with the quarterly data.

11. **Chain Volume Measure:** First introduced in 1998Q4. The method used to compute the chain volume index is detailed in the *Australian System of National Accounts: Concepts, Sources and Methods* (cat. no. 5216.0), Chapter 10.

12. **Data Sources:** The primary data source is the ABS publication *Australian National Accounts: National Income, Expenditure and Product* (cat. no. 5206.0). Deep-history vintages are obtained directly from ABS personnel; see Table 2 for details.

Table 2: Sources of Data Series

Publication Date	Reference	Format	Source
2001Q4 – 2005Q3	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	PDF	Online
	<i>Australian National Accounts, 2001-2005 workbooks.</i>	Excel work-book	ABS House, Canberra
2005Q4 – 2006Q2	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	Lotus 123	Online
2006Q3 – present	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0); Table 3; Series ID: A2304066X.	Excel work-book	Online

**Special notes:**

1. **NGFCF01Q4 to ... – Seasonally adjusted chain volume measures.**

## NINVCHI – Nominal Changes in Inventories

1. **Definition (as of June 2011)**<sup>13</sup>: Changes in Inventories measure the increases in the book value of inventories adjusted by the inventory valuation adjustments. Data at current price measures.
2. **Vintage Date**: The vintage date reflects the quarter in which the publication is released.
3. **Reference Date**: The reference date refers to the date to which the observation is referring to.
4. **First Quarterly Vintage**: 2001Q4 dating back to 1959Q3.
5. **Earliest Observation**: Historical series available dating back to 1959Q3, although not for all vintages.
6. **Seasonality**: Seasonally adjusted.
7. **Unit of Observations**: Millions of dollars.
8. **Quarterly Vintage Names**: NINVCHIyyQq, where yy is the year of the vintage, Q refers to Quarter and q the number of the vintage quarter. For example, the column heading NINVCHI05Q1 indicates that this column contains observations available in the first quarter of 2005.
9. **Publication Delay**: The quarterly vintages are obtained from the issue released in the last month of any quarter (typically in the first week of the month). The data in these vintages relate to the observation of the respective series in the previous quarter. For example, data for the first quarter is available in the issue released in the first week of June. Therefore, there is a one quarter delay in the release of data.

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<sup>13</sup> Source: *Australian System of National Accounts (cat. no. 5204.0)*, 2009-10.

Table 1: Publication Delay

First Observation of	Reference Date in ABS Publication	ABS Publication Date	Vintage Date
Q1	Mar	First week in Jun	Q2
Q2	Jun	First week in Sep	Q3
Q3	Sep	First week in Dec	Q4
Q4	Dec	First week in Mar	Q1

#### 10. Revisions:

- a. An annual seasonal re-analysis took place in either the December or March quarter until 2006Q4. From 2007Q1 onwards, a concurrent adjustment for seasonality was adopted resulting in an updating of the estimates in every quarter.
- b. Annual revisions take place in either the June or September quarter following an adjustment to the annual data to ensure consistency with the quarterly data.

11. **Chain Volume Measure:** First introduced in 1998Q4. The method used to compute the chain volume index is detailed in the *Australian System of National Accounts: Concepts, Sources and Methods* (cat. no. 5216.0), Chapter 10.

12. **Data Sources:** The primary data source is the ABS publication *Australian National Accounts: National Income, Expenditure and Product* (cat. no. 5206.0). Deep-history vintages are obtained directly from ABS personnel; see Table 2 for details.

Table 2: Sources of Data Series

Publication Date	Reference	Format	Source
2001Q4 – 2005Q3	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	PDF	Online
	<i>Australian National Accounts, 2001-2005 workbooks.</i>	Excel work-book	ABS House, Canberra
2005Q4 – 2006Q2	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	Lotus 123	Online
2006Q3 – present	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0); Table 3; Series ID: A2304068C.	Excel work-book	Online



**Special notes:**

1. **NINVCHI01Q4 to ... – Seasonally adjusted chain volume measures.**

## NEX – Nominal Exports of Goods and Services

1. **Definition (as of June 2011)<sup>14</sup>:** Exports of Goods and Services measure the value of goods exported and amounts receivable from non-residents for the provision of services by residents. Data at current price measures.
2. **Vintage Date:** The vintage date reflects the quarter in which the publication is released.
3. **Reference Date:** The reference date refers to the date to which the observation is referring to.
4. **First Quarterly Vintage:** 2001Q4 dating back to 1959Q3.
5. **Earliest Observation:** Historical series available dating back to 1959Q3, although not for all vintages.
6. **Seasonality:** Seasonally adjusted.
7. **Unit of Observations:** Millions of dollars.
8. **Quarterly Vintage Names:** NEXyyQq, where yy is the year of the vintage, Q refers to Quarter and q the number of the vintage quarter. For example, the column heading NEX05Q1 indicates that this column contains observations available in the first quarter of 2005.
9. **Publication Delay:** The quarterly vintages are obtained from the issue released in the last month of any quarter (typically in the first week of the month). The data in these vintages relate to the observation of the respective series in the previous quarter. For example, data for the first quarter is available in the issue released in the first week of June. Therefore, there is a one quarter delay in the release of data.

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<sup>14</sup> Source: *Australian System of National Accounts (cat. no. 5204.0)*, 2009-10.

Table 1: Publication Delay

First Observation of	Reference Date in ABS Publication	ABS Publication Date	Vintage Date
Q1	March	First week in June	Q2
Q2	June	First week in September	Q3
Q3	September	First week in December	Q4
Q4	December	First week in March	Q1

#### 10. Revisions:

- a. An annual seasonal re-analysis took place in either the December or March quarter until 2006Q4. From 2007Q1 onwards, a concurrent adjustment for seasonality was adopted resulting in an updating of the estimates in every quarter.
- b. Annual revisions take place in either the June or September quarter following an adjustment on the annual data to ensure consistency with the quarterly data.

11. **Chain Volume Measure:** First introduced in 1998Q4. The method used to compute the chain volume index is detailed in the *Australian System of National Accounts: Concepts, Sources and Methods* (cat. no. 5216.0), Chapter 10.

12. **Data Sources:** The primary data source is the ABS publication *Australian National Accounts: National Income, Expenditure and Product* (cat. no. 5206.0). Deep-history vintages are obtained directly from ABS personnel; see Table 2 for details.

Table 2: Sources of Data Series

Publication Date	Reference	Format	Source
2001Q4 – 2005Q3	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	PDF	Online
	<i>Australian National Accounts, 2001-2005 workbooks.</i>	Excel work-book	ABS House, Canberra
2005Q4 – 2006Q2	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	Lotus 123	Online
2006Q3 – present	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0); Table 3; Series ID: A2303824F.	Excel work-book	Online

**Special notes:**

1. **NEX01Q4 to ... – Seasonally adjusted chain volume measures.**

## NIM – Nominal Imports of Goods and Services

1. **Definition (as of June 2011)<sup>15</sup>:** Imports of Goods and Services measure the value of goods imported and amounts payable to non-residents for the provision of services to residents. Data at current price measures.
2. **Vintage Date:** The vintage date reflects the quarter in which the publication is released.
3. **Reference Date:** The reference date refers to the date to which the observation is referring to.
4. **First Quarterly Vintage:** 2001Q4 dating back to 1959Q3.
5. **First Observation:** Historical series available dating back to 1959Q3, although not for all vintages.
6. **Seasonality:** Seasonally adjusted.
7. **Unit of Observations:** Millions of dollars.
8. **Quarterly Vintage Names:** NIMyyQq, where yy is the year of the vintage, Q refers to Quarter and q the number of the vintage quarter. For example, the column heading NIM05Q1 indicates that this column contains observations available in the first quarter of 2005.
9. **Publication Delay:** The quarterly vintages are obtained from the issue released in the last month of any quarter (typically in the first week of the month). The data in these vintages relate to the observation of the respective series in the previous quarter. For example, data for the first quarter is available in the issue released in the first week of June. Therefore, there is a one quarter delay in the release of data.

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<sup>15</sup> Source: *Australian System of National Accounts (cat. no. 5204.0), 2009-10.*

Table 1: Publication Delay

First Observation of	Reference Date in ABS Publication	ABS Publication Date	Vintage Date
Q1	March	First week in June	Q2
Q2	June	First week in September	Q3
Q3	September	First week in December	Q4
Q4	December	First week in March	Q1

#### 10. Revisions:

- a. An annual seasonal re-analysis took place in either the December or March quarter until 2006Q4. From 2007Q1 onwards, a concurrent adjustment for seasonality was adopted resulting in an updating of the estimates in every quarter.
- b. Annual revisions take place in either the June or September quarter following an adjustment on the annual data to ensure consistency with the quarterly data.

11. **Chain Volume Measure:** First introduced in 1998Q4. The method used to compute the chain volume index is detailed in the *Australian System of National Accounts: Concepts, Sources and Methods* (cat. no. 5216.0), Chapter 10.

12. **Data Sources:** The primary data source is the ABS publication *Australian National Accounts: National Income, Expenditure and Product* (cat. no. 5206.0). Deep-history vintages are obtained directly from ABS personnel; see Table 2 for details.

Table 2: Sources of Data Series

Publication Date	Reference	Format	Source
2001Q4 – 2005Q3	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	PDF	Online
	<i>Australian National Accounts, 2001-2005 workbooks.</i>	Excel work-book	ABS House, Canberra
2005Q4 – 2006Q2	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	Lotus 123	Online
2006Q3 – present	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0); Table 3; Series ID: A2303825J.	Excel work-book	Online



**Special notes:**

1. **NIM01Q4 to ... – Seasonally adjusted chain volume measures.**

## **GDP and Components of GDP**

### **Original GDP and its Components**

Measured at a quarterly frequency and published quarterly; current price measures; not seasonally adjusted.

## GDP – Original Gross Domestic Product

1. **Definition (as of June 2011)<sup>16</sup>:** Gross Domestic Product is the total market value of goods and services produced in Australia within a given period after deducting the cost of goods and services used up in the process of production but before deducting allowances for the consumption of fixed capital. Data at current price measures.
2. **Vintage Date:** The vintage date reflects the quarter in which the publication is released.
3. **Reference Date:** The reference date refers to the date to which the observation is referring to.
4. **First Quarterly Vintage:** 1960Q4 dating back to 1958Q3.
5. **Earliest Observation:** Historical series available dating back to 1958Q3, although not for all vintages.
6. **Seasonality:** Not seasonally adjusted.
7. **Unit of Observations:** Millions of pounds up to the 1965Q4 vintage and in millions of dollars thereafter.
8. **Quarterly Vintage Names:** GDPyyQq, where yy is the year of the vintage, Q refers to Quarter and q the number of the vintage quarter. For example, the column heading GDP05Q1 indicates that this column contains observations available in the first quarter of 2005.
9. **Publication Delay:** The quarterly vintages are obtained from the issue released in the last month of any quarter (typically in the first week of the month). The data in these vintages relate to the observation of the respective series in the previous quarter. For example, data for the first quarter is available in the issue released in the first week of June. Therefore, there is a one quarter delay in the release of data.

*Table 1: Publication Delay*

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<sup>16</sup> Source: *Australian System of National Accounts (cat. no. 5204.0)*, 2009-10.

First Observation of	Reference Date in ABS Publication	ABS Publication Date	Vintage Date
Q1	March	First week in June	Q2
Q2	June	First week in September	Q3
Q3	September	First week in December	Q4
Q4	December	First week in March	Q1

10. **Variables:** Prior to the 1973Q1 vintage, the original GDP measure refers to the original Gross National Product (GNP) measures obtained using the income approach. From the 1998Q4 vintage onwards, the chain volume measure of original GDP is reported.
11. **Revision:** Annual revisions take place in the June or September quarter following an adjustment to the annual data to ensure consistency with the quarterly data.
12. **Chain Volume Measure:** First introduced in 1998Q4. The method used to compute the chain volume index is detailed in the *Australian System of National Accounts: Concepts, Sources and Methods* (cat. no. 5216.0), Chapter 10.
13. **Data Sources:** The primary data source is the ABS publication *Australian National Accounts: National Income, Expenditure and Product* (cat. no. 5206.0). Deep-history vintages are obtained from various sources including the ABS publication *Supplement to Quarterly Estimates of National Income and Expenditure* (cat. no. 5207.0), *Time Series Data* (cat. no. 1311.0 & 1335.0) and *NIF-10S Model Data* (cat. no. 1313.0 & 1343.0) available on microfiche, *PC AusStats* CD ROMs and data obtained directly from ABS personnel; see Table 2 for details.

Table 2: Sources of Data Series

Publication Date	Reference	Format	Source
1960Q4 – 1971Q2	<i>Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5206.0)	PDF	Online
	<i>Supplement to Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5207.0)	Micro-fiche	The University of Melbourne, Baillieu Library
1971Q3 – 2001Q3	Data not available	n/a	n/a
2001Q4 – 2005Q3	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	PDF	Online
	<i>Australian National Accounts, 2001-2005 workbooks.</i>	Excel workbook	ABS House, Canberra
2005Q4 – 2006Q2	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	Lotus 123	Online
2006Q3 – present	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0); Table 3; Series ID: A2302467A.	Excel workbook	Online

**Special notes:**

1. **GDP60Q4 – First quarterly measure of GNP(I) at current prices, not seasonally adjusted.** Expressed in millions of pounds.
2. **GDP66Q1 – Unit change.** Observations from here on are in millions of dollars.
3. **GDP71Q3 to GDP01Q3 – Data not available.**
4. **GDP01Q4 to ... – Chain volume measures, not seasonally adjusted.**

## HFCE – Original Household Final Consumption Expenditure

1. **Definition (as of June 2011)<sup>17</sup>:** Household Final Consumption Expenditure measures the net expenditure on goods and services by persons and expenditure of a current nature by private non-profit institutions serving households. This item excludes expenditures by unincorporated businesses and expenditures on assets by non-profit institutions (included in gross fixed capital formation). Data at current price measures.
2. **Vintage Date:** The vintage date reflects the quarter in which the publication is released.
3. **Reference Date:** The reference date refers to the date to which the observation is referring to.
4. **First Quarterly Vintage:** 1960Q4 dating back to 1958Q3.
5. **Earliest Observation:** Historical series available dating back to 1958Q3, although not for all vintages.
6. **Seasonality:** Not seasonally adjusted.
7. **Unit of Observations:** Millions of pounds up to the 1965Q4 vintage and in millions of dollars thereafter.
8. **Quarterly Vintage Names:** HFCEyyQq, where yy is the year of the vintage, Q refers to Quarter and q the number of the vintage quarter. For example, the column heading HFCE05Q1 indicates that this column contains observations available in the first quarter of 2005.
9. **Publication Delay:** The quarterly vintages are obtained from the issue released in the last month of any quarter (typically in the first week of the month). The data in these vintages relate to the observation of the respective series in the previous quarter. For example, data for the first quarter is available in the issue released in the first week of June. Therefore, there is a one quarter delay in the release of data.

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<sup>17</sup> Source: *Australian System of National Accounts (cat. no. 5204.0)*, 2009-10.

Table 1: Publication Delay

First Observation of	Reference Date in ABS Publication	ABS Publication Date	Vintage Date
Q1	March	First week in June	Q2
Q2	June	First week in September	Q3
Q3	September	First week in December	Q4
Q4	December	First week in March	Q1

10. **Revision:** Annual revisions take place in the June or September quarter following an adjustment to the annual data to ensure consistency with the quarterly data.
11. **Chain Volume Measure:** First introduced in 1998Q4. The method used to compute the chain volume index is detailed in the *Australian System of National Accounts: Concepts, Sources and Methods* (cat. no. 5216.0), Chapter 10.
12. **Data Sources:** The primary data source is the ABS publication *Australian National Accounts: National Income, Expenditure and Product* (cat. no. 5206.0). Deep-history vintages are obtained from various sources including the ABS publication *Supplement to Quarterly Estimates of National Income and Expenditure* (cat. no. 5207.0), *Time Series Data* (cat. no. 1311.0 & 1335.0) and *NIF-10S Model Data* (cat. no. 1313.0 & 1343.0) available on microfiche, *PC AusStats* CD ROMs and data obtained directly from ABS personnel; see Table 2 for details.



Table 2: Sources of Data Series

Publication Date	Reference	Format	Source
1960Q4 – 1971Q2	<i>Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5206.0)	PDF	Online
	<i>Supplement to Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5207.0)	Micro-fiche	The University of Melbourne, Baillieu Library
1971Q3 – 2001Q3	Data not available	n/a	n/a
2001Q4 – 2005Q3	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	PDF	Online
	<i>Australian National Accounts, 2001-2005 workbooks.</i>	Excel workbook	ABS House, Canberra
2005Q4 – 2006Q2	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	Lotus 123	Online
2006Q3 – present	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0); Table 3; Series ID: A2302528V.	Excel workbook	Online

**Special notes:**

1. **HFCE60Q4 – First quarterly measure of HFCE at current prices, not seasonally adjusted.** Expressed in millions of pounds.
2. **HFCE66Q1 – Unit change.** Observations from here on are in millions of dollars.
3. **HFCE71Q3 to HFCE01Q3 – Data not available.**
4. **HFCE01Q4 to ... – Chain volume measures, not seasonally adjusted.**

## GFCE – Original General Government Final Consumption Expenditure

1. **Definition (as of June 2011)<sup>18</sup>:** General Government Final Consumption Expenditure measures the current expenditure by general government bodies on services to the community such as defence, education and public order and safety less any explicit charges for these services. Data at current price measures.
2. **Vintage Date:** The vintage date reflects the quarter in which the publication is released.
3. **Reference Date:** The reference date refers to the date to which the observation is referring to.
4. **First Quarterly Vintage:** 1960Q4 dating back to 1958Q3.
5. **Earliest Observation:** Historical series available dating back to 1958Q3, although not for all vintages.
6. **Seasonality:** Not seasonally adjusted.
7. **Unit of Observations:** Millions of pounds up to the 1965Q4 vintage and in millions of dollars thereafter.
8. **Quarterly Vintage Names:** GFCEyyQq, where yy is the year of the vintage, Q refers to Quarter and q the number of the vintage quarter. For example, the column heading GFCE05Q1 indicates that this column contains observations available in the first quarter of 2005.
9. **Publication Delay:** The quarterly vintages are obtained from the issue released in the last month of any quarter (typically in the first week of the month). The data in these vintages relate to the observation of the respective series in the previous quarter. For example, data for the first quarter is available in the issue released in the first week of June. Therefore, there is a one quarter delay in the release of data.

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<sup>18</sup> Source: *Australian System of National Accounts (cat. no. 5204.0)*, 2009-10.

Table 1: Publication Delay

First Observation of	Reference Date in ABS Publication	ABS Publication Date	Vintage Date
Q1	March	First week in June	Q2
Q2	June	First week in September	Q3
Q3	September	First week in December	Q4
Q4	December	First week in March	Q1

10. **Revision:** Annual revisions take place in the June or September quarter following an adjustment to the annual data to ensure consistency with the quarterly data.
11. **Chain Volume Measure:** First introduced in 1998Q4. The method used to compute the chain volume index is detailed in the *Australian System of National Accounts: Concepts, Sources and Methods* (cat. no. 5216.0), Chapter 10.
12. **Data Sources:** The primary data source is the ABS publication *Australian National Accounts: National Income, Expenditure and Product* (cat. no. 5206.0). Deep-history vintages are obtained from various sources including the ABS publication *Supplement to Quarterly Estimates of National Income and Expenditure* (cat. no. 5207.0), *Time Series Data* (cat. no. 1311.0 & 1335.0) and *NIF-10S Model Data* (cat. no. 1313.0 & 1343.0) available on microfiche, *PC AusStats* CD ROMs and data obtained directly from ABS personnel; see Table 2 for details.

Table 2: Sources of Data Series

Publication Date	Reference	Format	Source
1960Q4 – 1971Q2	<i>Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5206.0)	PDF	Online
	<i>Supplement to Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5207.0)	Micro-fiche	The University of Melbourne, Baillieu Library
1971Q3 – 2001Q3	Data not available	n/a	n/a
2001Q4 – 2005Q3	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	PDF	Online
	<i>Australian National Accounts, 2001-2005 workbooks.</i>	Excel work-book	ABS House, Canberra
2005Q4 – 2006Q2	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	Lotus 123	Online
2006Q3 – present	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0); Table 3; Series ID: A2302527T.	Excel work-book	Online

**Special notes:**

1. **GFCE60Q4 – First quarterly measure of GFCE at current prices, not seasonally adjusted.** Expressed in millions of pounds.
2. **GFCE66Q1 – Unit change.** Observations from here on are in millions of dollars.
3. **GFCE71Q3 to GFCE01Q3 – Data not available.**
4. **GFCE01Q4 to ... – Chain volume measures, not seasonally adjusted.**

## GFCF – Original Gross Fixed Capital Formation

1. **Definition (as of June 2011)<sup>19</sup>:** Gross Fixed Capital Formation measures the expenditure by general government, private and public corporations on new fixed assets plus net expenditure on second-hand fixed assets whether for additions or replacements including defence weapons platforms that have an anticipated ongoing use (greater than one year). Data at current price measures.
2. **Vintage Date:** The vintage date reflects the quarter in which the publication is released.
3. **Reference Date:** The reference date refers to the date to which the observation is referring to.
4. **First Quarterly Vintage:** 1963Q3 dating back to 1960Q3.
5. **Earliest Observation:** Historical series available dating back to 1959Q3, although not for all vintages.
6. **Seasonality:** Not seasonally adjusted.
7. **Unit of Observations:** Millions of pounds up to the 1965Q4 vintage and in millions of dollars thereafter.
8. **Quarterly Vintage Names:** GFCFyyQq, where yy is the year of the vintage, Q refers to Quarter and q the number of the vintage quarter. For example, the column heading GFCF05Q1 indicates that this column contains observations available to the researcher in the first quarter of 2005.
9. **Publication Delay:** The quarterly vintages are obtained from the issue released in the last month of any quarter (typically in the first week of the month). The data in these vintages relate to the observation of the respective series in the previous quarter. For example, data for the first quarter is available in the issue released in the first week of June. Therefore, there is a one quarter delay in the release of data.

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<sup>19</sup> Source: *Australian System of National Accounts (cat. no. 5204.0)*, 2009-10.

Table 1: Publication Delay

First Observation of	Reference Date in ABS Publication	ABS Publication Date	Vintage Date
Q1	March	First week in June	Q2
Q2	June	First week in September	Q3
Q3	September	First week in December	Q4
Q4	December	First week in March	Q1

10. **Revision:** Annual revisions take place every June or September quarter following an adjustment on annual data to ensure consistency with quarterly data.
11. **Chain Volume Measure:** First introduced in 1998Q4. The method used to compute the chain volume index is detailed in the *Australian System of National Accounts: Concepts, Sources and Methods* (cat. no. 5216.0), Chapter 10.
12. **Data Sources:** The primary data source is the ABS publication *Australian National Accounts: National Income, Expenditure and Product* (cat. no. 5206.0). Deep-history vintages are obtained from various sources including the ABS publication *Supplement to Quarterly Estimates of National Income and Expenditure* (cat. no. 5207.0), *Time Series Data* (cat. no. 1311.0 & 1335.0) and *NIF-10S Model Data* (cat. no. 1313.0 & 1343.0) available on microfiche, *PC AusStats* CD ROMs and data obtained directly from ABS personnel; see Table 2 for details.



Table 2: Sources of Data Series

Publication Date	Reference	Format	Source
1963Q3 – 1971Q2	<i>Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5206.0)	PDF	Online
	<i>Supplement to Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5207.0)	Micro-fiche	The University of Melbourne, Baillieu Library
1971Q3 – 2001Q3	Data not available	n/a	n/a
2001Q4 – 2005Q3	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	PDF	Online
	<i>Australian National Accounts, 2001-2005 workbooks.</i>	Excel workbook	ABS House, Canberra
2005Q4 – 2006Q2	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	Lotus 123	Online
2006Q3 – present	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0); Table 3; Series ID: A2302557F.	Excel workbook	Online

**Special notes:**

1. **GFCE60Q4 – First quarterly measure of GFCE at current prices, not seasonally adjusted.** Expressed in millions of pounds.
2. **GFCE66Q1 – Unit change.** Observations from here on are expressed in millions of dollars.
3. **GFCEQ3 to GFCE01Q3 – Data not available.**
4. **GFCE01Q4 to ... – Chain volume measures, not seasonally adjusted.**

## INVCHI – Original Changes in Inventories

1. **Definition (as of June 2011)**<sup>20</sup>: Changes in Inventories measure increases in the book value of inventories adjusted by the inventory valuation adjustments. Data at current price measures.
2. **Vintage Date**: The vintage date reflects the quarter in which the publication is released.
3. **Reference Date**: The reference date refers to the date to which the observation is referring to.
4. **First Quarterly Vintage**: 1960Q4 dating back to 1958Q3.
5. **Earliest Observation**: Historical series available dating back to 1958Q3, although not for all vintages.
6. **Seasonality**: Not seasonally adjusted.
7. **Unit of Observations**: Millions of pounds up to the 1965Q4 vintage and in millions of dollars thereafter.
8. **Quarterly Vintage Names**: INVCHIyyQq, where yy is the year of the vintage, Q refers to Quarter and q the number of the vintage quarter. For example, the column heading INVCHI05Q1 indicates that this column contains observations available in the first quarter of 2005.
9. **Publication Delay**: The quarterly vintages are obtained from the issue released in the last month of any quarter (typically in the first week of the month). The data in these vintages relate to the observation of the respective series in the previous quarter. For example, data for the first quarter is available in the issue released in the first week of June. Therefore, there is a one quarter delay in the release of data.

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<sup>20</sup> Source: *Australian System of National Accounts (cat. no. 5204.0)*, 2009-10.

Table 1: Publication Delay

First Observation of	Reference Date in ABS Publication	ABS Publication Date	Vintage Date
Q1	March	First week in June	Q2
Q2	June	First week in September	Q3
Q3	September	First week in December	Q4
Q4	December	First week in March	Q1

10. **Revision:** Annual revisions take place in the June or September quarter following an adjustment to the annual data to ensure consistency with the quarterly data.
11. **Chain Volume Measure:** First introduced in 1998Q4. The method used to compute the chain volume index is detailed in the *Australian System of National Accounts: Concepts, Sources and Methods* (cat. no. 5216.0), Chapter 10.
12. **Data Sources:** The primary data source is the ABS publication *Australian National Accounts: National Income, Expenditure and Product* (cat. no. 5206.0). Deep-history vintages are obtained from various sources including the ABS publication *Supplement to Quarterly Estimates of National Income and Expenditure* (cat. no. 5207.0), *Time Series Data* (cat. no. 1311.0 & 1335.0) and *NIF-10S Model Data* (cat. no. 1313.0 & 1343.0) available on microfiche, *PC AusStats* CD ROMs and data obtained directly from ABS personnel; see Table 2 for details.

Table 2: Sources of Data Series

Publication Date	Reference	Format	Source
1960Q4 – 1971Q2	<i>Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5206.0)	PDF	Online
	<i>Supplement to Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5207.0)	Micro-fiche	The University of Melbourne, Baillieu Library
1971Q3 – 2001Q3	No data	n/a	n/a
2001Q4 – 2005Q3	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	PDF	Online
	<i>Australian National Accounts, 2001-2005 workbooks.</i>	Excel workbook	ABS House, Canberra
2005Q4 – 2006Q2	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	Lotus 123	Online
2006Q3 – present	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0); Table 3; Series ID: A2302562X.	Excel workbook	Online

**Special notes:**

1. **INVCHI60Q4 – First quarterly measure of INVCHI at current prices, not seasonally adjusted.** Expressed in millions of pounds.
2. **INVCHI66Q1 – Unit change.** Observations from here on are in millions of dollars.
3. **INVCHI71Q3 to INVCHI01Q3 – Data not available.**
4. **INVCHI01Q4 to ... – Chain volume measures, not seasonally adjusted.**

**EXP – Original Exports of Goods and Services**

1. **Definition (as of June 2011)**<sup>21</sup>: Exports of Goods and Services measure the value of goods exported and amounts receivable from non-residents for the provision of services by residents. Data at current price measures.
2. **Vintage Date**: The vintage date reflects the quarter in which the publication is released.
3. **Reference Date**: The reference date refers to the date to which the observation is referring to.
4. **First Quarterly Vintage**: 1960Q4 dating back to 1958Q3.
5. **Earliest Observation**: Historical series available dating back to 1958Q3, although not for all vintages.
6. **Seasonality**: Not seasonally adjusted.
7. **Unit of Observations**: Millions of pounds up to the 1965Q4 vintage and in millions of dollars thereafter.
8. **Quarterly Vintage Names**: EXPyyQq, where yy is the year of the vintage, Q refers to Quarter and q the number of the vintage quarter. For example, the column heading EXP05Q1 indicates that this column contains observations available in the first quarter of 2005.
9. **Publication Delay**: The quarterly vintages are obtained from the issue released in the last month of any quarter (typically in the first week of the month). The data in these vintages relate to the observation of the respective series in the previous quarter. For example, data for the first quarter is available in the issue released in the first week of June. Therefore, there is a one quarter delay in the release of data.

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<sup>21</sup> Source: *Australian System of National Accounts (cat. no. 5204.0), 2009-10.*

*Table 1: Publication Delay*

First Observation of	Reference Date in ABS Publication	ABS Publication Date	Vintage Date
Q1	March	First week in June	Q2
Q2	June	First week in September	Q3
Q3	September	First week in December	Q4
Q4	December	First week in March	Q1

10. **Revision:** Annual revisions take place in the June or September quarter following an adjustment to the annual data to ensure consistency with the quarterly data.
11. **Chain Volume Measure:** First introduced in 1998Q4. The method used to compute the chain volume index is detailed in the *Australian System of National Accounts: Concepts, Sources and Methods* (cat. no. 5216.0), Chapter 10.
12. **Data Sources:** The primary data source is the ABS publication *Australian National Accounts: National Income, Expenditure and Product* (cat. no. 5206.0). Deep-history vintages are obtained from various sources including the ABS publication *Supplement to Quarterly Estimates of National Income and Expenditure* (cat. no. 5207.0), *Time Series Data* (cat. no. 1311.0 & 1335.0) and *NIF-10S Model Data* (cat. no. 1313.0 & 1343.0) available on microfiche, *PC AusStats* CD ROMs and data obtained directly from ABS personnel; see Table 2 for details.



Table 2: Sources of Data Series

Publication Date	Reference	Format	Source
1960Q4 – 1971Q2	<i>Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5206.0)	PDF	Online
	<i>Supplement to Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5207.0)	Micro-fiche	The University of Melbourne, Baillieu Library
1971Q3 – 2001Q3	Data not available	n/a	n/a
2001Q4 – 2005Q3	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	PDF	Online
	<i>Australian National Accounts, 2001-2005 workbooks.</i>	Excel workbook	ABS House, Canberra
2005Q4 – 2006Q2	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	Lotus 123	Online
2006Q3 – present	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0), Table 3; Series ID: A2302564C.	Excel workbook	Online

**Special notes:**

1. **EXP60Q4 – First quarterly measure of EXP at current prices, not seasonally adjusted.** Expressed in millions of pounds.
2. **EXP66Q1 – Unit change.** Observations from here on are in millions of dollars.
3. **EXP71Q3 to EXP01Q3 – Data not available.**
4. **EXP01Q4 to ... – Chain volume measures, not seasonally adjusted.**

## IMP – Original Imports of Goods and Services

1. **Definition (as of June 2011)**<sup>22</sup>: Imports of Goods and Services measure the value of goods imported and amounts payable to non-residents for the provision of services to residents. Data at current price measures.
2. **Vintage Date**: The vintage date reflects the quarter in which the publication is released.
3. **Reference Date**: The reference date refers to the date to which the observation is referring to.
4. **First Quarterly Vintage**: 1960Q4 dated back to 1958Q3.
5. **Earliest Observation**: Historical series available dating back to 1958Q3, although not for all vintages.
6. **Seasonality**: Not seasonally adjusted.
7. **Unit of Observations**: Millions of pounds up to the 1965Q4 vintage and in millions of dollars thereafter.
8. **Quarterly Vintage Names**: IMPyyQq, where yy is the year of the vintage, Q refers to Quarter and q the number of the vintage quarter. For example, the column heading IMP05Q1 indicates that this column contains observations available in the first quarter of 2005.
9. **Publication Delay**: The quarterly vintages are obtained from the issue released in the last month of any quarter (typically in the first week of the month). The data in these vintages relate to the observation of the respective series in the previous quarter. For example, data for the first quarter is available in the issue released in the first week of June. Therefore, there is a one quarter delay in the release of data.

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<sup>22</sup> Source: *Australian System of National Accounts (cat. no. 5204.0)*, 2009-10.

*Table 1: Publication Delay*

First Observation of	Reference Date in ABS Publication	ABS Publication Date	Vintage Date
Q1	March	First week in June	Q2
Q2	June	First week in September	Q3
Q3	September	First week in December	Q4
Q4	December	First week in March	Q1

10. **Revision:** Annual revisions take place in the June or September quarter following an adjustment to the annual data to ensure consistency with the quarterly data.
11. **Chain Volume Measure:** First introduced in 1998Q4. The method used to compute the chain volume index is detailed in the *Australian System of National Accounts: Concepts, Sources and Methods* (cat. no. 5216.0), Chapter 10.
12. **Data Sources:** The primary data source is the ABS publication *Australian National Accounts: National Income, Expenditure and Product* (cat. no. 5206.0). Deep-history vintages are obtained from various sources including the ABS publication *Supplement to Quarterly Estimates of National Income and Expenditure* (cat. no. 5207.0), *Time Series Data* (cat. no. 1311.0 & 1335.0) and *NIF-10S Model Data* (cat. no. 1313.0 & 1343.0) available on microfiche, *PC AusStats* CD ROMs and data obtained directly from ABS personnel; see Table 2 for details.

Table 2: Sources of Data Series

Publication Date	Reference	Format	Source
1960Q4 – 1971Q2	<i>Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5206.0)	PDF	Online
	<i>Supplement to Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5207.0)	Micro-fiche	The University of Melbourne, Baillieu Library
1971Q3 – 2001Q3	Data not available	n/a	n/a
2001Q4 – 2005Q3	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	PDF	Online
	<i>Australian National Accounts, 2001-2005 workbooks.</i>	Excel workbook	ABS House, Canberra
2005Q4 – 2006Q2	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	Lotus 123	Online
2006Q3 – present	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0); Table 3; Series ID: A2302565F.	Excel workbook	Online

**Special notes:**

1. **IMP60Q4 – First quarterly measure of IMP at current prices, not seasonally adjusted.** Expressed in millions of pounds.
2. **IMP66Q1 – Unit change.** Observations from here on are in millions of dollars.
3. **IMP71Q3 to IMP01Q3 – Data not available.**
4. **IMP01Q4 to ... – Chain volume measures, not seasonally adjusted.**

## **Other Key Macroeconomic Aggregates**

Measured at a quarterly frequency and published quarterly.

## MPI – Manufacturing Production Index

1. **Definition (as of June 2011)**<sup>23</sup>: The Manufacturing Production Index gives quarterly estimates of constant price manufacturing production.
2. **Vintage Date**: The vintage date reflects the quarter in which the publication is released.
3. **Reference Date**: The reference date refers to the date to which the observation is referring to.
4. **First Quarterly Vintage**: 1983Q1 dating back to 1976Q3.
5. **Earliest Observation**: Historical series available dating back to 1974Q3, although not for all vintages.
6. **Seasonality**: Seasonally adjusted.
7. **Unit of Observations**: Index number.
8. **Base Index of Observations**:
  - The base index was 1000.0 prior to the 1990Q4 vintage and 100.0 thereafter.
  - The base year changed approximately every five years before the introduction of the chain volume measure in 1998Q4. From here onwards, it changes every three to five quarters (see special notes for details).
9. **Quarterly Vintage Names**: MPIyyQq, where yy is the year of the vintage, Q refers to Quarter and q the number of the vintage quarter. For example, the column heading MPI85Q1 indicates that this column contains observations available in the first quarter of 1985.
10. **Publication Delay**: In general, the data in these vintages relates to the observation of the respective series in the previous quarter. For example, data for the first quarter is available in the issue released in June. Therefore there is one quarter delay in the release of data.

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<sup>23</sup> Source: *Quarterly Indexes of Manufacturing Production, Australia* (cat. no. 5219.0), December quarter, 1982



Table 1: Publication Delay

First Observation of	ABS Publication Date	Vintage Date
Q1	June Quarter	Q2
Q2	September Quarter	Q3
Q3	December Quarter	Q4
Q4	March Quarter	Q1

11. **Data Sources:** The primary data sources are the ABS publications *Quarterly Indexes of Manufacturing Production* (cat. no. 5219.0), *Quarterly Indexes of Industrial Production* (cat. no. 8125.0), *Australian Economic Indicators* (cat. no. 1350.0) and *Australian National Accounts: National Income, Expenditure and Product* (cat. no. 5206.0). Deep-history vintages are obtained from the ABS microfiche publication *Time Series Data* (cat. no. 1311.0 & 1335.0). See Table 2 for details.

Table 2: Sources of Data Series

Publication Date	Reference	Format	Source
1983Q1 – 1987Q4	<i>Quarterly Indexes of Manufacturing Production</i> (cat. no. 5219.0)	Hard-copy	The University of Melbourne, Economics and Commerce Library
	<i>Time Series Data</i> (cat. no. 1311.0)	Micro-fiche	The National Library, Canberra
1988Q1 – 1990Q3	<i>Quarterly Indexes of Manufacturing Production</i> (cat. no. 8219.0)	Hard-copy	The University of Melbourne, Economics and Commerce Library
	<i>Time Series Data</i> (cat. no. 1311.0)	Micro-fiche	The National Library, Canberra

Table 2: Sources of Data Series (Continued)

Publication Date	Reference	Format	Source
1990Q4 – 1992Q4	<i>Quarterly Indexes of Industrial Production</i> (cat. no. 8125.0)	Hard-copy	The University of Melbourne, Economics and Commerce Library
	<i>Time Series Data</i> (cat. no. 1311.0)	Micro-fiche	The National Library, Canberra
1993Q1 – 1993Q4	<i>Quarterly Indexes of Industrial Production</i> (cat. no. 8125.0)	Hard-copy	The University of Melbourne, Economics and Commerce Library
1994Q1 – 1996Q1	<i>Quarterly Indexes of Industrial Production</i> (cat. no. 8125.0)	PDF	Online
1996Q2 – 1998Q1	<i>Indexes of Industrial Production</i> (cat. no. 8125.0)	PDF	Online
1998Q2 – 2006Q3	<i>Australian Economic Indicators</i> (cat. no. 1350.0)	PDF	Online
2006Q4 – present	<i>Australian National Accounts: National Income, Expenditure and Product</i> (cat. no. 5206.0); Table 37; Series ID: A2716601C.	Excel workbook	Online

**Special notes:**

1. **MPI83Q1 – First seasonally adjusted MPI measure.** Observations are expressed with a base of 1979-80 = 1000.0
2. **MPI83Q1 to MPI88Q2 – Base year change.** The series is based on an index of 1979-80 = 1000.0.
3. **MPI88Q3 to MPI90Q3 – Base year change.** The series is based on an index of 1984-85 = 1000.0.
4. **MPI90Q4 to MPI92Q4 – Base year change.** The series is based on an index of 1984-85 = 100.0.
5. **MPI91Q4 – Unexpected revision.** Revised due to sample revision and coverage adjustment.
6. **MPI93Q1 to MPI98Q3 – Base year change.** The series is based on an index of 1989-90 = 100.0.
7. **MPI93Q4 – Unexpected revision.** Benchmarking of indexes for the manufacturing sector to the 1989-90, 1990-91, and 1991-92 manufacturing censuses. This revision is also due to an annual sample revision to the Manufacturing Industry Survey.
8. **MPI95Q1 – Unexpected revision.** Revision is due to the implementation of the Australian and New Zealand Standard Industrial Classification (ANZSIC).
9. **MPI95Q2 – Unexpected revision.** Revised due to the availability of final industry data for the base year estimates.
10. **MPI96Q3 – Unexpected revision.** The manufacturing series were benchmarked to the 1992-93 and 1993-94 Manufacturing Surveys.
11. **MPI97Q3 – Unexpected revision.** Series is revised as a result of improvements to coverage and revised manufacturing indexes due to an annual benchmark for 1995-96 based on the Manufacturing Industry Survey.
12. **MPI98Q4 to MPI99Q2 – Base year change.** The series is based on an index of 1996-97 = 100.0.

13. **MPI99Q1 – Two issues were released.** The January 1999 and March 1999 issue of *Australian Economic Indicators* (cat. no. 1350.0) were both published within the first quarter but with different data range. In order to maintain the consistency of the data set, the March issue is regarded as published in the second quarter and is reported under the vintage name MPI99Q2.
14. **MPI99Q3 to MPI00Q2 – Base year change.** The series is based on an index of 1997-98 = 100.0.
15. **MPI00Q3 to MPI01Q2 – Base year change.** The series is based on an index of 1998-99 = 100.0.
16. **MPI01Q3 to MPI02Q2 – Base year change.** The series is based on an index of 1999-00 = 100.0.
17. **MPI02Q3 – Error in source publication.** Base year should be 1999-00 = 100.0 instead of 2000-01 = 100.0.
18. **MPI02Q4 to MPI03Q2 – Base year change.** The series is based on an index of 2000-01 = 100.0.
19. **MPI03Q3 to MPI04Q2 – Base year change.** The series is based on an index of 2001-02 = 100.0.
20. **MPI04Q1 – Error in source publication.** Base year should be 2001-02 = 100.0 instead of 2000-01 = 100.0.
21. **MPI04Q3 to MPI05Q2 – Base year change.** The series is based on an index of 2002-03 = 100.0.
22. **MPI05Q3 to MPI06Q2 – Base year change.** The series is based on an index of 2003-04 = 100.0.
23. **MPI06Q3 to MPI07Q3 – Base year change.** The series is based on an index of 2004-05 = 100.0.
24. **MPI07Q4 to MPI08Q3 – Base year change.** The series is based on an index of 2005-06 = 100.0.
25. **MPI08Q4 to MPI09Q3 – Base year change.** The series is based on an index of 2006-07 = 100.0.

26. **MPI09Q4 to ... – Base year change.** The series is based on an index of 2007-08 = 100.0.

## IPI – Industrial Production Index

1. **Definition (as of June 2011)**<sup>24</sup>: The Industrial Production Index gives quarterly estimates of gross product at constant prices for the non-farm, goods producing sector. It reflects the sum of three sectors: Mining excluding Services to Mining, Manufacturing and Electricity, Gas and Water.
2. **Vintage Date**: The vintage date reflects the quarter in which the publication is released.
3. **Reference Date**: The reference date refers to the date to which the observation is referring to.
4. **First Quarterly Vintage**: 1990Q4 dating back to 1976Q3.
5. **Earliest observation**: Historical series available dating back to 1974Q3, although not for all vintages.
6. **Seasonality**: Seasonally adjusted.
7. **Unit of Observations**: Index number.
8. **Base Index of Observations**: The base year changed approximately every five years before the introduction of the chain volume measure in 1998Q4. From here onwards, it changes every three to five quarters (see special notes for details).
9. **Quarterly Vintage Names**: IPIyyQq, where yy is the year of the vintage, Q refers to Quarter and q the number of the vintage quarter. For example, the column heading IPI95Q1 indicates that this column contains observations available in the first quarter of 1995.
10. **Publication Delay**: In general, the data in these vintages relates to the observation of the respective series in the previous quarter. For example, data for the first quarter is available in the issue released in June. Therefore there is one quarter delay in the release of data.

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<sup>24</sup> Source: *Quarterly Indexes of Industrial Production, Australia* (cat. no. 8125.0), September quarter, 1990

Table 1: Publication Delay

First Observation of	ABS Publication Date	Vintage Date
Q1	June Quarter	Q2
Q2	September Quarter	Q3
Q3	December Quarter	Q4
Q4	March Quarter	Q1

11. **Data Sources:** The primary data sources are the ABS publications *Quarterly Indexes of Industrial Production* (cat. no. 8125.0), *Australian Economic Indicators* (cat. no. 1350.0) and *Australian National Accounts: National Income, Expenditure and Product* (cat. no. 5206.0). Deep-history vintages are obtained from the ABS microfiche publication *Time Series Data* (cat. no. 1311.0 & 1335.0). See Table 2 for details.

Table 2: Sources of Data Series

Publication Date	Reference	Format	Source
1990Q4 – 1992Q4	<i>Quarterly Indexes of Industrial Production</i> (cat. no. 8125.0)	Hard-copy	The University of Melbourne, Economics and Commerce Library
	<i>Time Series Data</i> (cat. no. 1311.0)	Microfiche	The National Library, Canberra
1993Q1 – 1993Q4	<i>Quarterly Indexes of Industrial Production</i> (cat. no. 8125.0)	Hard-copy	The University of Melbourne, Economics and Commerce Library
1994Q1 – 1996Q1	<i>Quarterly Indexes of Industrial Production</i> (cat. no. 8125.0)	PDF	Online
1996Q2 – 1998Q1	<i>Indexes of Industrial Production</i> (cat. no. 8125.0)	PDF	Online
1998Q2 – 2006Q3	<i>Australian Economic Indicators</i> (cat. no. 1350.0)	PDF	Online
2006Q4 – present	<i>Australian National Accounts: National Income, Expenditure and Product</i> (cat. no. 5206.0); Table 37; Series ID: A2298671X.	Excel Workbook	Online

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**Special notes:**

1. **IPI90Q4 – First seasonally adjusted measure of IPI.** Observations are seasonally adjusted and are expressed with a base index of 1984-85 = 100.0
2. **IPI90Q4 to IPI92Q4 – Base year change.** The series is based on an index of 1984-85 = 100.0.
3. **IPI91Q4 – Unexpected revision.** Revised due to sample revision and coverage adjustment.
4. **IPI92Q1 – Unexpected revision.** Revision due to an annual seasonal re-analysis and minor revisions to the base year estimates of mining and utilities gross product.
5. **IPI92Q2 – Unexpected revision.** Revised due to changes in estimates of utilities gross product.
6. **IPI93Q1 to IPI98Q3 – Base year change.** The series is based on an index of 1989-90 = 100.0.
7. **IPI93Q4 – Unexpected revision.** Benchmarking of indexes for the manufacturing sector to the 1989-90, 1990-91, and 1991-92 manufacturing censuses. This revision is also due to an annual sample revision to the Manufacturing Industry Survey.
8. **IPI95Q1 – Unexpected revision.** Revision is due to the implementation of the Australian and New Zealand Standard Industrial Classification (ANZSIC).
9. **IPI95Q2 – Unexpected revision.** Revised due to the availability of final industry data for the base year estimates.
10. **IPI96Q3 – Unexpected revision.** Benchmarking of indexes for the manufacturing sector to the 1992-93 and 1993-94 manufacturing censuses.
11. **IPI97Q3 – Unexpected revision.** Series is revised as a result of improvements to coverage and revised manufacturing indexes due to an annual benchmark for 1995-96 based on the Manufacturing Industry Survey.
12. **IPI98Q4 to IPI99Q2 – Base year change.** The series is based on an index of 1996-97 = 100.0.



13. **IPI99Q1 – Two issues were released.** The January 1999 and March 1999 issue of *Australian Economic Indicators* (cat. no. 1350.0) were both published within the first quarter but with different data range. In order to maintain the consistency of the data set, the March issue is regarded as published in the second quarter and is reported under the vintage name IPI99Q2.
14. **IPI99Q3 to IPI00Q2 – Base year change.** The series is based on an index of 1997-98 = 100.0.
15. **IPI00Q3 to IPI01Q2 – Base year change.** The series is based on an index of 1998-99 = 100.0.
16. **IPI01Q3 to IPI02Q2 – Base year change.** The series is based on an index of 1999-00 = 100.0.
17. **IPI02Q3 – Error in source publication.** Base year should be 1999-00 = 100.0 instead of 2000-01 = 100.0.
18. **IPI02Q4 to IPI03Q2 – Base year change.** The series is based on an index of 2000-01 = 100.0.
19. **IPI03Q3 to IPI04Q2 – Base year change.** The series is based on an index of 2001-02 = 100.0;
20. **IPI04Q1 – Error in source publication.** Base year should be 2001-02 prices instead of 2000-01 = 100.0.
21. **IPI04Q3 to IPI05Q2 – Base year change.** The series is based on an index of 2002-03 = 100.0.
22. **IPI05Q3 to IPI06Q2 – Base year change.** The series is based on an index of 2003-04 = 100.0.
23. **IPI06Q3 to IPI07Q3 – Base year change.** The series is based on an index of 2004-05 = 100.0.
24. **IPI07Q4 to IPI08Q3 – Base year change.** The series is based on an index of 2005-06 = 100.0.
25. **IPI08Q4 to IPI09Q3 – Base year change.** The series is based on an index of 2006-07 = 100.0.

26. **IPI09Q4 to ... – Base year change.** The series is based on an index of 2007-08 = 100.0.

**BOP – Balance of Payments on Current Account**

1. **Definition (as of June 2011)**<sup>25</sup>: Balance of Payments systematically summarises the economic transactions occurring between residents of Australia and residents of the rest of the world (non-residents) over a specific period of time. The Balance of Payments on Current Account is derived as the sum (net) of credit and debit entries for goods, services, primary income and secondary income. Data at current price measures.
2. **Vintage Date:** The vintage date reflects the quarter in which the publication is released.
3. **Reference Date:** The reference date refers to the date to which the observation is referring to.
4. **First Quarterly Vintage:** 1962Q1 dating back to 1959Q3.
5. **Earliest Observation:** Historical series available dating back to 1959Q3, although not for all vintages.
6. **Seasonality:** Not seasonally adjusted up to the 1974Q4 vintage and seasonally adjusted thereafter.
7. **Unit of Observations:** Millions of pounds up to the 1966Q1 vintage and in millions of dollars thereafter.
8. **Sign of Observations:** Credit entries are shown without sign and debit items are shown as negative entries.
9. **Quarterly Vintage Names:** Before and including the 1974Q4 vintage, the vintage name is BOPnsayyQq and BOPsayyQq thereafter. In these vintage names, yy refers to the year of the vintage, Q refers to Quarter and q the number of the vintage quarter. For example, the column heading BOPsa75Q1 indicates that this column contains seasonally adjusted observations available in the first quarter of 1975.

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<sup>25</sup> Source: *Balance of Payments and International Investment Position* (cat. no. 5302.0).

10. **Publication Delay:** Generally, the data in these vintages relate to the observation of the respective series in the previous quarter. Therefore, there is a one quarter delay in the release of data.

*Table 1: Publication Delay*

First Observation of	Reference Date in ABS Publication	ABS Publication Date	Vintage Date
Q1	March	June Quarter	Q2
Q2	June	September Quarter	Q3
Q3	September	December Quarter	Q4
Q4	December	March Quarter	Q1

11. **Revisions:**

- a. Constant revisions to the current account due to the incorporation of the latest survey and administrative data.
- b. Constant revisions on seasonally adjusted series due to the incorporation of revised estimates and estimates for the latest quarter.

12. **Data Sources:** The primary data source is the ABS publication *Balance of Payments and International Investment Position, Australia* (cat. no. 5302.0). Deep-history vintages are obtained from the ABS microfiche publication *Time Series Data* (cat. no. 1311.0 & 1335.0). See Table 2 for details.

*Table 2: Sources of Data Series*

Publication Date	Reference	Format	Source
1962Q1 – 1974Q4	<i>Balance of Payments, Quarterly Summary</i> (cat. no. 5302.0)	PDF	Online
1975Q1 – 1979Q3	<i>Balance of Payments</i> (cat. no. 5302.0)	PDF	Online
1979Q4 – 1992Q4	<i>Balance of Payments, Australia</i> (cat. no. 5302.0)	PDF	Online
	<i>Time Series Data</i> (cat. no. 1311.0)	Microfiche	The National Library, Canberra
1993Q1 – 1997Q3	<i>Balance of Payments, Australia</i> (cat. no. 5302.0)	PDF	Online

Table 2: Sources of Data Series (Continued)

Publication Date	Reference	Format	Source
1997Q4 – 2005Q3	<i>Balance of Payments and International Investment Position, Australia</i> (cat. no. 5302.0)	PDF	Online
2005Q4 – 2009Q3	<i>Balance of Payments and International Investment Position, Australia</i> (cat. no. 5302.0); Table 5; Series ID: A2060924K	Excel Workbook	Online
2009Q4 – present	<i>Balance of Payments and International Investment Position, Australia</i> (cat. no. 5302.0); Table 5; Series ID: A3535187L.	Excel Workbook	Online

**Special notes:**

1. **BOP62Q1 – First not seasonally adjusted quarterly measure of BOP.**  
Current account measures are not seasonally adjusted and are expressed in millions of pounds.
2. **BOP66Q2 – Unit change.** Current account measures are not seasonally adjusted and are expressed in millions of dollars.
3. **BOP75Q1 – First seasonally adjusted measure of BOP.**
4. **BOP86Q1 – Unexpected revision.** Revisions are due to classificatory and presentational changes. For a detailed discussion of the changes introduced to the balance of payments statistics, reference should be made to the ABS Information Paper: *Changes in the presentation of Australian Balance of Payments Statistics* (cat. no. 5340.0) (23 December 1985).
5. **BOP92Q3 – Unexpected revision.** The methodology for measuring merchandise export has been changed. As a result, the Balance of Payment on Current Account is changed and the measures before 1981Q2 will not be strictly compatible with the following measures.
6. **BOP03Q4 – Two versions released.** There are two releases in 2003Q4 due to changes in the order and items included in the Tables. Both releases are reported for the same vintage date.
7. **BOP09Q4 – Unexpected revision.** Estimates are compiled according to revised international standards; comprehensive details of Australia's international accounts, its balance of payments and international investment position are presented.

## RGDPDEF – Real GDP Implicit Price Deflator

1. **Definition (as of June 2011)<sup>26</sup>:** The Real GDP Implicit Price Deflator relates to a broader range of goods and services in the economy than that represented by any of the individual price indexes that are published by the ABS. It is obtained by dividing the current price value by its real counterpart.
2. **Definition Change:** The Implicit Price Deflator series has undergone several changes in definition; see Table 1 for details.

*Table 1: Definition Change*

Period	Definition
1978Q1 – 1992Q4	$RGDPDEF = NGDP(I)/RGDP(I)$
1993Q1 – 1998Q3	$RGDPDEF = NGDP(E)/RGDP(E)$
1998Q4 – present	RGDPDEF = NGDP/RGDP using chain volume method

3. **Vintage Date:** The vintage date reflects the quarter in which the publication is released.
4. **Reference Date:** The reference date refers to the date to which the observation is referring to.
5. **First Quarterly Vintage:** 1978Q1 dating back to 1974Q3.
6. **Earliest Observation:** Historical series available dating back to 1959Q3, although not for all vintages.
7. **Seasonality:** Seasonally adjusted.
8. **Unit of Observations:** Index number.
9. **Quarterly Vintage Names:** RGDPDEFyyQq, where yy is the year of the vintage, Q refers to Quarter and q the number of the vintage quarter. For example, the column heading RGDPDEF95Q1 indicates that this column contains observations in the first quarter of 1995.
10. **Publication Delay:** The quarterly vintages are obtained from the issue released in the last month of any quarter (typically in the first week of the

<sup>26</sup> Source: *Australian System of National Accounts* (cat. no. 5204.0), 2009-10.

month). The data in these vintages relate to the observation of the respective series in the previous quarter. For example, data for the first quarter is available in the issue released in the first week of June. Therefore, there is a one quarter delay in the release of data.

*Table 2: Publication Delay*

First Observation of	Reference Date in ABS Publication	ABS Publication Date	Vintage Date
Q1	March	First week in June	Q2
Q2	June	First week in September	Q3
Q3	September	First week in December	Q4
Q4	December	First week in March	Q1

11. **Chain Volume Measure:** First introduced in 1998Q4. Prior to this, the estimates are at constant prices where the base year changes approximately every five years. The method used to compute the chain volume index is detailed in the *Australian System of National Accounts: Concepts, Sources and Methods* (cat. no. 5216.0), Chapter 10. The chain volume measures are expressed in terms of the values of a particular reference year as recommended in the *System of National Accounts, 1993 (SNA93)*. The reference year is the year prior to the latest complete financial year and up until the 2006Q3 vintage was updated annually. From 2007 onwards, the reference year is updated in the fourth quarter vintage.
12. **Data Sources:** The primary data source is the ABS publication *Australian National Accounts: National Income, Expenditure and Product* (cat. no. 5206.0). Deep-history vintages are obtained from various sources including the ABS publication *Supplement to Quarterly Estimates of National Income and Expenditure* (cat. no. 5207.0), *Time Series Data* (cat. no. 1311.0 & 1335.0) and *NIF-10S Model Data* (cat. no. 1313.0 & 1343.0) available on microfiche, *PC AusStats* CD ROMs and data obtained directly from ABS personnel; see Table 3 for details.



Table 3: Sources of Data Series

Publication Date	Reference	Format	Source
1978Q1 – 1979Q3	<i>Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5206.0)	PDF	Online
	<i>Supplement to Quarterly Estimates of National Income and Expenditure</i> (cat. no. 5207.0) and ABS	Micro-fiche	The University of Melbourne, Baillieu Library. ABS House, Canberra
1979Q4 – 1988Q1	<i>Quarterly Estimates of National Income and Expenditure, Australia</i> (cat. no. 5206.0)	PDF	Online
	<i>Time Series Data</i> (cat. no. 1311.0) and <i>NIF-10S Model Data</i> (cat. no. 1313.0)	Micro-fiche	The University of Melbourne, Baillieu Library, the National Library and ABS House, Canberra
1988Q2 – 1992Q4	<i>Australian National Accounts, National Income and Expenditure</i> (cat. no. 5206.0)	PDF	Online
	<i>Time Series Data</i> (cat. no. 1335.0), <i>NIF-10S Model Data</i> (cat. no. 1343.0)	Micro-fiche	The University of Melbourne, Baillieu Library, the National Library and ABS House, Canberra
1993Q1 – 2005Q3	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	PDF	Online
	<i>NIF-10S Model</i> (cat. no. 1343.0), <i>PC AusStats</i> CD ROMs and <i>Australian National Accounts, 1998-2005</i> workbooks.	Micro-fiche & CDs	The University of Melbourne, Baillieu Library, ABS House, Canberra

Table 3: Sources of Data Series (Continued)

Publication Date	Reference	Format	Source
2005Q4 – 2006Q2	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	Lotus 123	Online
2006Q3 – present	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0); Table 5; Series ID: A2303730T.	Excel workbook	Online

**Special notes:**

1. **RGDPDEF78Q1 – First published quarterly measure of RGDP Implicit Price Deflator and unexpected revision.** Revision due to new methodologies and new data sources used in revaluing the current price estimates. The series is based on an index of 1974-75 = 100.0.
2. **RGDPDEF78Q1 to RGDPDEF81Q4 – Base index change.** The series is based on an index of 1974-75 = 100.0.
3. **RGDPDEF82Q1 – Unexpected revision.** Revision due to the use of new methodologies in some components (principally private gross fixed capital expenditure, increase in private non-farm stocks, and exports and imports of goods and services), the use of some new sources of data, the availability of firmer data and revised annual estimates.
4. **RGDPDEF82Q1 to RGDPDEF88Q1 – Base index change.** The series is based on an index of 1979-80 = 100.0.
5. **RGDPDEF85Q1 – Unexpected revision.** Revision is due to the conceptual and classificatory changes made to the Public Finance data system and the introduction of a new item ‘real estate transfer expenses’ in Private Gross Fixed Capital Expenditure.
6. **RGDPDEF86Q1 – Unexpected revision.** Revision is due to classificatory and presentational changes. Specifically, this revision involves a more adequate account of the understatement of business income in tax statistics and the introduction of Dwellings in Private Gross Fixed Capital Expenditure.
7. **RGDPDEF87Q1 – Unexpected revision.** Revision is due to the adoption of the *Australian Accounting Standard 17* (AAS 17). Specifically, this revision involves revised Government Final Consumption Expenditure and Gross Fixed Capital Expenditure measures.
8. **RGDPDEF87Q3 – Unexpected revision.** Revised due to a change in the treatment of payroll tax paid by the general government. The receipts of these taxes are now regarded as transfers within the general government sector

which should be netted out on consolidation when compiling the general government income and outlay account. As a result of this change, general government final consumption expenditures have been reduced by the amount of payroll tax paid by general government.

9. **RGDPDEF88Q1 – Unexpected revision.** Estimate of all aggregates have been revised in accordance with the revised annual estimates published in the *Australian National Accounts: National Income and Expenditure, 1986-87, Summary* (cat. no. 5201.0). Significant revisions have been made to a number of aggregates as a result of the incorporation of data from periodic benchmark collections (such as the 1985-86 Retail Census and the 1986 Population Census) or from the use of new data sources. In addition, many aggregates have been revised to incorporate later information from taxation assessment statistics, the gross value of farm production series and other sources.
10. **RGDPDEF88Q2 – Two versions were released.** One version at a base index of 1979-80=100.0 and the other version at a base index of 1984-85=100.0.
11. **RGDPDEF88Q2 to RGDPDEF92Q4 – Base index change.** The series is based on an index of 1984-85 = 100.0.
12. **RGDPDEF89Q3 – Unexpected revision.** Time series is revised due to annual benchmark revisions, the inclusion of preliminary annual estimates for 1988-89 and new data on trade in services. Estimates for the farm sector have been revised as a result of incorporating estimates of farm costs obtained from the *ABS Agricultural Finance Surveys* conducted in 1986-87 and 1987-88.
13. **RGDPDEF93Q1 – Unexpected revision.** Revisions are due to an annual seasonal re-analysis and changes in the sources and methods used to compile the constant price estimates. These are outlined in the Information Paper: *Australian National Accounts: Introduction of Constant Price Estimates at Average 1989-90 Prices* (cat. no. 5243.0) (25 February 1993).
14. **RGDPDEF93Q1 to RGDPDEF98Q3 – Base index change.** The series is based on an index of 1989-90 = 100.0.

**15. RGDPDEF98Q4 – First RGDPDEF measures using chain volume method.**

Major changes were introduced to reflect the implementation of new international standards for the compilation and presentation of national accounts as in the *System of National Accounts*, 1993 (SNA93). The changes include the integration of input-output tables with the quarterly and annual estimates of national income, expenditure and product and the introduction of chain volume measures. In addition, a number of other content and formatting changes were introduced. For further details, see the Information Papers *Upgraded Australian National Accounts*, 1998 (cat. no. 5253.0) (4 November 1998), the associated *Addendum* (11 November 1998), *Implementation of Revised International Standards in the Australian National Accounts* (cat. no. 5251.0) (30 September 1997) and *Introduction of Chain Volume Measures in the Australian National Accounts* (cat. no. 5248.0) (19 March 1998).  
RGDPDEF = NGDP/RGDP using chain volume measure.

**16. RGDPDEF98Q4 to RGDPDEF99Q2 – Reference base is 1996-97 = 100.0.****17. RGDPDEF99Q3 to RGDPDEF00Q2 – Reference base is 1997-98 = 100.0.****18. RGDPDEF00Q3 to RGDPDEF01Q2 – Reference base is 1998-99 = 100.0.****19. RGDPDEF01Q3 to RGDPDEF02Q2 – Reference base is 1999-00 = 100.0.****20. RGDPDEF02Q3 to RGDPDEF03Q2 – Reference base is 2000-01 = 100.0.****21. RGDPDEF03Q3 to RGDPDEF04Q2 – Reference base is 2001-02 = 100.0.****22. RGDPDEF04Q3 to RGDPDEF05Q2 – Reference base is 2002-03 = 100.0.****23. RGDPDEF05Q3 to RGDPDEF06Q2 – Reference base is 2003-04 = 100.0.**

**24. RGDPDEF05Q4 – Unexpected revision.** Revised measures to many series as a result of benchmarking quarterly series to annual benchmarks from the annual Supply and Use Tables for 1994-95 to 2003-04. There have also been changes to the sources and methods used to derive quarterly chain volume estimates of gross value added of the services to mining industry and the accommodation, cafes and restaurants industry. In both cases the new data source is the income from sales of goods and services from the *Quarterly Business Indicator Survey* (cat. no. 5767.0).

25. **RGDPDEF06Q3 to RGDPDEF07Q3 – Reference base is 2004-05 = 100.0.**
26. **RGDPDEF06Q4 – Unexpected revision.** Quarterly series are benchmarked to the revised annual Supply and Use Tables for 2002-03 to 2004-05. In addition, an annual seasonal re-analysis was undertaken on all series.
27. **RGDPDEF07Q1 – Unexpected revision.** Introduction of a concurrent adjustment for seasonality.
28. **RGDPDEF07Q4 to RGDPDEF08Q3 – Reference base is 2005-06 = 100.0.**
29. **RGDPDEF08Q4 to RGDPDEF09Q3 – Reference base is 2006-07 = 100.0.**
30. **RGDPDEF09Q4 – Unexpected revision.** Introduction of new international standards.
31. **RGDPDEF09Q4 to RGDPDEF10Q3 – Reference base is 2007-08 = 100.0.**
32. **RGDPDEF10Q4 to ... – Reference base is 2008-09 = 100.0.**

## CPI – Consumer Price Index

1. **Definition (as of June 2011)<sup>27</sup>:** The Consumer Price Index measures quarterly changes in the price of a 'basket' of goods and services which account for a high proportion of expenditure by the CPI population group (i.e. metropolitan households).
2. **Definition Changes:** The CPI index was initially computed as a weighted average of six capital cities until 1964Q3 when Canberra was included so that it became a weighted average of seven capital cities, and then to a weighted average of the eight capital cities from 1982Q2 to date.

*Table 1: Definition Change*

Period	Definition
1960 Q3 – 1972 Q3	Weighted average of SIX capital cities (Sydney, Melbourne, Brisbane, Adelaide, Perth and Hobart)
1972 Q4 – 1982 Q2	Weighted average of SEVEN capital cities (all six cities mentioned above plus Canberra)
1982 Q3 – present	Weighted average of EIGHT capital cities (all seven cities mentioned above plus Darwin)

3. **Vintage Date:** The vintage date reflects the quarter in which the publication is released.
4. **Reference Date:** The reference date refers to the date to which the observation is referring to.
5. **First quarterly vintage:** 1960Q3 dating back to 1949Q2.
6. **Earliest observation:** Historical series available dating back to 1948Q3, although not for all vintages.
7. **Seasonality:** Not seasonally adjusted.
8. **Unit of observations:** Index number form.

<sup>27</sup> Source: *Consumer Price Index, Australia* (cat. no. 6401.0), March 2011.

9. **Base Index Change:** The series is expressed with reference to a period in which the index is set is equal to 100.0. This reference base is changed periodically. See Table 2 for details.

*Table 2: Base Index Change*

Publication Date	Base Index
1960M9 – 1969M1	1952-53=100.0
1969M2 – 1982M2	1966-67=100.0
1982M3 – 1992M1	1980-81=100.0
1992M2 – present	1989-90=100.0

10. **Quarterly Vintage Names:** CPIyyQq, where yy is the year of the vintage, Q refers to Quarter and q the number of the vintage quarter. For example, the column heading CPI75Q1 indicates that this column contains observations available in the first quarter of 1975.
11. **Publication Delay:** The quarterly vintages are obtained from the issue released within the first months of any quarter. The data in these vintages relate to the observation of the respective series in the previous quarter. For example, data for the first quarter is available in the issue released in April. Therefore, there is a one quarter delay in the release of data.

*Table 3: Publication Delay*

First Observation of	Reference Date in ABS Publication	ABS Publication Date	Vintage Date
Q1	March	April	Q2
Q2	June	July	Q3
Q3	September	October	Q4
Q4	December	January	Q1

12. **Data Sources:** The primary data source is the ABS publication *Consumer Price Index, Australia* (cat. no. 6401.0). Deep-history vintages are obtained from the ABS microfiche publication *Time Series Data* (cat. no. 1311.0 & 1335.0). See Table 4 for details.

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Table 4: Sources of Data Series

Publication Date	Reference	Format	Source
1960Q3 – 1972Q3	<i>Consumer Price Index</i> (cat. no. 6401.0)	Micro-fiche	The State Library of Victoria, Melbourne
1972Q4 – 1979Q3	<i>Consumer Price Index</i> (cat. no. 6401.0)	PDF	Online
1979Q4 – 1992Q1	<i>Consumer Price Index</i> (cat. no. 6401.0)	PDF	Online
	<i>Time Series Data</i> (cat. no. 1311.0)	Micro-fiche	The National Library, Canberra
1992Q2 – 1992Q4	<i>Consumer Price Index</i> (cat. no. 6401.0)	PDF	Online
	<i>Time Series Data</i> (cat. no. 1335.0)	Micro-fiche	The National Library, Canberra
1993Q1 – 2005Q3	<i>Consumer Price Index</i> (cat. no. 6401.0)	PDF	Online
2005Q4 – 2006Q1	<i>Consumer Piece Index, Australia</i> (cat. no. 6401.0)	Lotus 123	Online
2006Q2 – present	<i>Consumer Piece Index, Australia</i> (cat. no. 6401.0); Table 1 and 2; Series ID: A2325846C.	Excel Workbook	Online

**Special notes:**

1. **CPI60Q3 – First not seasonally adjusted CPI measure.** Series is reported as weighted average of six capital cities with a base index of 1952-53 = 100.0.
2. **CPI69Q2 – Base year change.** The series is based on an index of 1966-67 = 100.0.
3. **CPI72Q4 – Definition change.** Series is reported as weighted average of seven capital cities.
4. **CPI73Q2 – Unexpected revision.** Revisions in the index for Sydney, Hobart and Canberra (and hence the weighted average of the six capital cities) between September 1971 and December 1972. This arises due to the revised measure on a health insurance component, 'insurance fund and retained portion'.
5. **CPI82Q3 – Definition change and base change.** Weighted average of eight capital cities. The series is based on an index of 1980-81 = 100.0.
6. **CPI87Q2 – Delay in release.** This delay is due to an industrial dispute in Sydney; the raw data for the reference quarter March 1987 is reported as n.y.a. (not-yet-available).
7. **CPI92Q2 to ... – Base year change.** The series is based on an index of 1989-90 = 100.0.

### **Selected Labour Force Aggregates**

Measured using quarterly surveys up to March 1982 for seasonally adjusted series and March 1978 for not seasonally adjusted series; the survey frequency changed to monthly thereafter.

**EMPSa – Employed Persons, Seasonally Adjusted**

1. **Definition (as of June 2011)<sup>28</sup>:** All persons aged 15 years and over who, during the reference week:
  - worked for one hour or more for pay, profit, commission or payment in kind in a job or business, or on a farm (comprising employees, employers and own account workers); or
  - worked for one hour or more without pay in a family business or on a farm (i.e. contributing family workers); or
  - were employees who had a job but were not at work and were:
    - away from work for fewer than four weeks up to the end of the reference week; or
    - away from work for more than four weeks up to the end of the reference week and received pay for some or all of the four week period to the end of the reference week; or
    - away from work as a standard work or shift arrangement; or
    - on strike or locked out; or
    - on workers' compensation and expected to return to their job; or
  - were employers or own account workers, who had a job, business or farm, but were not at work.
2. **Vintage Date:** The vintage date reflects the month in which the publication is released.
3. **Reference Date:** The reference date refers to the date to which the observation is referring to.
4. **First Published Monthly Vintage:** 1970M7 dating back to 1969M2.
5. **Earliest Observation:** Historical series available dating back to 1964M2, although not for all vintages.

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<sup>28</sup> Source: *Labor Force, Australia* (cat. no. 6202.0), May 2011.  
<http://www.abs.gov.au/AUSSTATS/abs@.nsf/Latestproducts/6202.0Glossary2Mar%202011?opendocument&tabname=Notes&prodno=6202.0&issue=Mar%202011&num=&view=>

6. **Derived Vintages:** 1970M7, dating back to 1969M2, to 1977M5, dating back to 1975M11, from the Total Labour Force and Unemployed Persons.
7. **Seasonality:** Seasonally adjusted.
8. **Unit of Observations:** Thousands of persons.
9. **Frequency of publication:** Prior to 1982M3, observations are reported in quarterly surveys; data is available from quarterly publications (i.e. one vintage per quarter with mid-quarter observations). Monthly surveys were introduced thereafter with monthly observations.
10. **Monthly vintage names:** EMPsyyMm, where yy is the year of the vintage, M refers to Month and m the number of the vintage month. For example, the column heading EMPsa90M1 indicates that this column contains observations available in January of 1990.
11. **Publication Delay:**
  - From the 1970M7 vintage up to and including the 1982M2 vintage there is generally a one quarter delay in the release of data, although the releases are not regular.
  - After the introduction of a monthly survey in the 1982M3 vintage, the figures are obtained from monthly releases. The data in these vintages relate to the observation of the respective series in the previous month. For example, data for the August month is available in the issue released within the first two weeks of September - there is a one month delay in the release of data.
12. **Variables to Derive Additional Vintages of the EMPsa Series:** Two seasonally adjusted series, the Total Labour Force (TLFsa) and the Unemployed Persons (UPsa), are included in the workbook. For the vintages between 1970M7 and 1977M5, the EMPsa values can be derived by subtracting the Unemployed Persons from the Total Labour Force (i.e. TLFsa – UPsa).
13. **Revisions:**

- The labour force estimates are revised every five years following the revisions made to the Estimated Resident Population (ERP).
- The series were revised every February or March due to an annual seasonal re-analysis using a forward factor adjustment method until the 2003 December vintage. From the 2004 January vintage, the ABS introduced a concurrent adjustment method where the seasonal factors are re-analysed every month. Also, a specific adjustment for Easter and January holiday period was introduced.

14. **Data Sources:** The primary data source is the ABS publication Labour Force Australia (cat. no. 6202.0). Deep-history vintages are obtained from the ABS quarterly microfiche publication: *Time Series Data* (cat. no. 1311.0 & 1335.0). See Table 1 for details.

*Table 1: Sources of Data Series*

Publication Date	Reference	Format	Source
1970M7 – 1979M2	<i>The Labour Force</i> (cat. no. 6203.0)	PDF	Online
1979M5 – 1982M2	<i>The Labour Force, Australia</i> (cat. no. 6203.0)	PDF	Online
1982M3 – 1986M1	<i>Labour Force, Australia, Preliminary</i> (cat. no. 6202.0)	Microfiche	The University of Melbourne, Business and Economics Library
1986M2 – 1986M5	<i>Labour Force, Australia, Preliminary</i> (cat. no. 6202.0)	Hard-copy	The University of Melbourne, Business and Economics Library
1986M6 – 1993M3	<i>Labour Force, Australia, Preliminary</i> (cat. no. 6202.0)	Microfiche	The University of Melbourne, Business and Economics Library
	<i>Time Series Data</i> (cat. no. 1311.0)	Microfiche	The National Library, Canberra
1993M4 – 1993M12	<i>Labour Force, Australia, Preliminary</i> (cat. no. 6202.0)	Hard-copy	The University of Melbourne, Business and Economics Library
1994M1 – 1997M12	<i>Labour Force, Australia, Preliminary</i> (cat. no. 6202.0)	PDF	Online

Table 1: Sources of Data Series (Continued)

Publication Date	Reference	Format	Source
1998M1 – 2003M4	<i>Labour Force, Preliminary</i> (cat. no. 6202.0)	PDF	Online
2003M5 – 2009M2	<i>Labour Force, Australia</i> (cat. no. 6202.0)	PDF	Online
2005 M12 – 2009M2	<i>Labour Force, Australia, Spreadsheets</i> (cat. no. 6202.0.55.001)	Excel Workbook	Online
2009M3 – present	<i>Labour Force, Australia</i> (cat. no. 6202.0); Table 02; Series ID: A181515V.	Excel Workbook	Online

**Special notes:**

1. **EMPsa70M7 – First release of the quarterly Labour Force Survey from which EMPsa can be calculated.** Each vintage reports the observations referring to the mid-quarter months (i.e. reference dates are: February, May, August and November in each year).
2. **EMPsa70M7 to EMPsa82M2 – Irregular releases of data.**
3. **EMPsa70M7 to EMPsa77M5 – Seasonally adjusted estimates of Employed Persons are not published.** Reported values are derived from the seasonally adjusted Total Labour Force and Unemployed Persons series.
4. **EMPsa75M10 – Updated population benchmark.** All observations from here on are based on the results of the 1971 Census of Population and Housing.
5. **EMPsa77M8 – First seasonally adjusted Employed Persons series published in a quarterly survey.**
6. **EMPsa82M3 – Introduction of a monthly survey.** The first seasonally adjusted Employed Persons series published in a monthly survey.
7. **EMPsa83M3 – Annual seasonal reanalysis.**
8. **EMPsa84M3 – Annual seasonal reanalysis and updated population benchmarks.** All observations from here on are based on the results of the 1981 Census of Population and Housing.
9. **EMPsa85M3 – Annual seasonal reanalysis.**
10. **EMPsa86M3 – Annual seasonal reanalysis.**
11. **EMPsa86M5 – Unexpected revision.** In May 1986, the definition of Employed Persons was changed to include persons who worked without pay between 1 to 14 hours per week in a family business or farm (i.e, contributing family workers).
12. **EMPsa87M3 – Annual seasonal reanalysis.**
13. **EMPsa88M3 – Annual seasonal reanalysis.**



14. **EMPsa89M3 – Annual seasonal reanalysis and updated population benchmarks.** All observations from here on are based on the results of the 1986 Census of Population and Housing.
15. **EMPsa90M3 – Annual seasonal reanalysis.**
16. **EMPsa91M3 – Annual seasonal reanalysis.**
17. **EMPsa92M3 – Annual seasonal reanalysis.**
18. **EMPsa93M3 – Annual seasonal reanalysis.**
19. **EMPsa94M3 – Annual seasonal reanalysis and updated population benchmarks.** All observations from here on are based on the results of the 1991 Census of Population and Housing.
20. **EMPsa95M3 – Annual seasonal reanalysis.**
21. **EMPsa96M3 – Annual seasonal reanalysis.**
22. **EMPsa97M3 – Annual seasonal reanalysis.**
23. **EMPsa98M3 – Annual seasonal reanalysis.**
24. **EMPsa99M3 – Annual seasonal reanalysis and updated population benchmarks.** All observations from here on are based on the results of the 1996 Census of Population and Housing.
25. **EMPsa00M3 – Annual seasonal reanalysis.**
26. **EMPsa01M3 – Annual seasonal reanalysis.**
27. **EMPsa01M5 – Unexpected revision.** The May 2001 vintage involves a re-designed survey questionnaire. As a result, the definition of Unemployed Persons was changed to include all persons who were waiting to start work and were available to start in the reference week. This change resulted in a revision of the historical data from the May 2001 vintage causing a trend break in the unemployment rate series.
28. **EMPsa02M3 – Annual seasonal reanalysis.**
29. **EMPsa03M3 – Annual seasonal reanalysis.**
30. **EMPsa04M1 – Unexpected revision.** This revision is due to the introduction of a concurrent seasonality adjustment and holiday period adjustments.

31. **EMPsa04M3 – Unexpected revision.** This revision is due to an updated population benchmark and definitional changes. All observations from here on are based on the results of the 2001 Census of Population and Housing. In addition, a minor change to the definition of unemployment was implemented which involved the treatment of future starters not actively looking for work.
32. **EMPsa09M3 – Updated population benchmark.** This revision is due to a revised population benchmark which takes into account the results of the 2006 Census of Population and Housing.
33. **EMPsa10M8 – Unexpected revision.** This revision is due to changes in population benchmarks which incorporate revisions made to the Net Overseas Migration estimates, published in the September 2008 and September 2009 issues of *Australian Demographic Statistics* (cat. no. 3101.0).

## URsa – Unemployment Rate, Seasonally Adjusted

1. **Definition (as of June 2011)**<sup>29</sup>: The number of unemployed workers expressed as a percentage of the labour force.
2. **Vintage Date:** The vintage date reflects the month in which the publication is released.
3. **Reference Date:** The reference date refers to the date to which the observation is referring to.
4. **First Published Monthly Vintage:** 1970M7 dating back to 1969M2.
5. **First Observation:** Historical series available dating back to 1964M2, although not for all vintages.
6. **Derived Vintages:**
  - 1970M7, dating back to 1969M2, to 1975M11, dating back to 1973M11, from the Total Labour Force and Unemployed Persons; and
  - 1978M2, dating back to 1976M8, to 1982M2, dating back to 1976M8, from the Total Labour Force and Employed Persons.
7. **Seasonality:** Seasonally adjusted.
8. **Unit of Observations:** Percentage points.
9. **Frequency of Publication:** Prior to 1982M3, observations are reported in quarterly surveys; data is available from quarterly publications (i.e. one vintage per quarter with mid-quarter observations). Monthly surveys were introduced thereafter with monthly observations.
10. **Monthly Vintage Names:** URsayyMm, where yy is the year of the vintage, M refers to Month and m the number of the vintage month. For example, the column heading URsa90M1 indicates that this column contains observations available in January 1990.
11. **Publication Delay:**

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<sup>29</sup> Source: *Labor Force, Australia* (cat. no. 6202.0), May 2011.  
<http://www.abs.gov.au/AUSSTATS/abs@.nsf/Latestproducts/6202.0Glossary2Mar%202011?opendocument&tabname=Notes&prodno=6202.0&issue=Mar%202011&num=&view=>

- From the 1970M7 vintage up to and including the 1982M2 vintage there is generally a one quarter delay in the release of data, although the releases are not regular.
- After the introduction of a monthly survey in the 1982M3 vintage, the figures are obtained from monthly releases. The data in these vintages relate to the observation of the respective series in the previous month. For example, data for the August month is available in the issue released within the first two weeks of September - there is a one month delay in the release of data.

**12. Variables to Derive Additional Vintages of the URsa Series:** Two seasonally adjusted series, the Total Labour Force (TLFsa) and the Unemployed Persons (UPsa), are included in the workbook. For the vintages between 1970M7 and 1975M7, the URsa values can be derived by dividing the Unemployed Persons by the Total Labour Force (i.e.  $UPsa/TLFsa$ ). For the vintages between 1978M2 and 1982M2, the URsa values can be derived by dividing the difference between the Total Labour Force and Employed Persons (in EMPsa-Q.xls) by the Total Labour Force (i.e.  $(TLFsa - EMPsa)/TLFsa$ ).

**13. Revisions:**

- a. The labour force estimates are revised every five years following the revisions made to the Estimated Resident Population (ERP).
- b. The series are revised every March due to an annual seasonal re-analysis using a forward factor adjustment method until the 2003M12 vintage. From the 2004M1 vintage onwards, the ABS has introduced a concurrent adjustment method. As a result, the seasonal factors are re-analysed every month. Also, a specific adjustment for Easter and January holiday period was introduced.

**14. Data Sources:** The primary data source is the ABS publication Labour Force Australia (cat. no. 6202.0). Deep-history vintages are obtained from the ABS quarterly microfiche publication: *Time Series Data* (cat. no. 1311.0 & 1335.0). See Table 1 for details.

Table 1: Sources of Data Series

Publication Date	Reference	Format	Source
1970M7 – 1979M2	<i>The Labour Force</i> (cat. no. 6203.0)	PDF	Online
1979M5 – 1982M2	<i>The Labour Force, Australia</i> (cat. no. 6203.0)	PDF	Online
1982M3 – 1986M1	<i>Labour Force, Australia, Preliminary</i> (cat. no. 6202.0)	Micro-fiche	The University of Melbourne, Business and Economics Library
1986M2 – 1986M6	<i>Labour Force, Australia, Preliminary</i> (cat. no. 6202.0)	Hard-copy	The University of Melbourne, Business and Economics Library
1986M7 – 1993M3	<i>Labour Force, Australia, Preliminary</i> (cat. no. 6202.0)	Micro-fiche	The University of Melbourne, Business and Economics Library
	<i>Time Series Data</i> (cat. no. 1311.0)	Micro-fiche	The National Library, Canberra
1993M4 – 1993M12	<i>Labour Force, Australia, Preliminary</i> (cat. no. 6202.0)	Hard-copy	The University of Melbourne, Business and Economics Library
1994M1 – 1997M12	<i>Labour Force, Australia, Preliminary</i> (cat. no. 6202.0)	PDF	Online
1998M1 – 2003M4	<i>Labour Force, Preliminary</i> (cat. no. 6202.0)	PDF	Online
2003M5 – 2009M2	<i>Labour Force, Australia</i> (cat. no. 6202.0)	PDF	Online
2005 M12 – 2009M2	<i>Labour Force, Australia, Spreadsheets</i> (cat. no. 6202.0.55.001)	Excel Workbook	Online
2009M3 – present	<i>Labour Force, Australia</i> (cat. no. 6202.0); Table 2; Series ID: A181525X.	Excel Workbook	Online

**Special notes:**

1. **URsa70M7 – First release of the quarterly Labour Force Survey from which URsa can be calculated.** Each vintage reports the observations referring to the mid-quarter months (i.e. reference dates are: February, May, August and November in each year).
2. **URsa70M7 to URsa82M2 – Irregular releases of data.**
3. **URsa70M7 to URsa77M5 – Seasonally adjusted estimates of Unemployment Rate are not published.** Reported values are derived from the seasonally adjusted Total Labour Force and Unemployed Persons series.
4. **URsa75M10 – First published seasonally adjusted Unemployment Rate series in a quarterly survey and updated population benchmark.** All observations from here on are based on the results of the 1971 Census of Population and Housing.
5. **URsa78M2 to URsa82M2 – Seasonally adjusted unemployment rate measures are not published.** Reported values are derived from seasonally adjusted Labour Force and Employed Persons.
6. **URsa82M3 – Introduction of a monthly survey.** First seasonally adjusted Unemployment Rate series published in a monthly survey.
7. **URsa83M3 – Annual seasonal re-analysis.**
8. **URsa84M3 – Annual seasonal re-analysis and updated population benchmarks.** All observations from here on are based on the results of the 1981 Census of Population and Housing.
9. **URsa85M3 – Annual seasonal re-analysis.**
10. **URsa86M3 – Annual seasonal re-analysis.**
11. **URsa86M5 – Unexpected revision.** From May 1986, the definition of Employed Persons was changed to include persons who worked without pay between 1 to 14 hours per week in a family business or farm (i.e, contributing family workers).
12. **URsa87M3 – Annual seasonal re-analysis.**

13. **URsa88M3 – Annual seasonal re-analysis.**
14. **URsa89M3 – Annual seasonal re-analysis and updated population benchmark.** All observations from here on are based on the results of the 1986 Census of Population and Housing.
15. **URsa90M3 – Annual seasonal re-analysis.**
16. **URsa91M3 – Annual seasonal re-analysis.**
17. **URsa92M3 – Annual seasonal re-analysis.**
18. **URsa93M3 – Annual seasonal re-analysis.**
19. **URsa94M3 – Annual seasonal re-analysis and updated population benchmarks.** All observations from here on are based on the results of the 1991 Census of Population and Housing.
20. **URsa95M3 – Annual seasonal re-analysis.**
21. **URsa96M3 – Annual seasonal re-analysis.**
22. **URsa97M3 – Annual seasonal re-analysis.**
23. **URsa98M3 – Annual seasonal re-analysis.**
24. **URsa99M3 – Annual seasonal re-analysis and updated population benchmarks.** All observations from here on are based on the results of the 1996 Census of Population and Housing.
25. **URsa00M3 – Annual seasonal re-analysis.**
26. **URsa01M3 – Annual seasonal re-analysis.**
27. **URsa01M5 – Unexpected revision.** The May 2001 vintage involves a re-designed survey questionnaire. As a result, the definition of Unemployed Persons was changed to include all persons who were waiting to start work and were available to start in the reference week. This change resulted in a revision of the historical data from the 2001M5 vintage causing a trend break in the Unemployment rate series.
28. **URsa02M3 – Annual seasonal re-analysis.**
29. **URsa03M3 – Annual seasonal re-analysis.**
30. **URsa04M1 – Unexpected revision.** This revision is due to the introduction of a concurrent seasonality adjustment and holiday period adjustments.

31. **URsa04M3 – Unexpected revision.** This revision is due to an updated population benchmark and definitional changes. All observations from here on are based on the results of the 2001 Census of Population and Housing. In addition, a minor change to the definition of Unemployment was implemented which involved the treatment of future starters not actively looking for work.
32. **URsa09M3 – Updated population benchmark.** This revision is due to a revised population benchmark which takes into account the results of the 2006 Census of Population and Housing.
33. **URsa10M8 – Unexpected revision.** This revision is due to changes in population benchmarks which incorporate revisions made to the Net Overseas Migration estimates, published in the September 2008 and September 2009 issues of *Australian Demographic Statistics* (cat. no. 3101.0).



**EMPnsa – Employed Persons, Not Seasonally Adjusted**

1. **Definition (as of June 2011)**<sup>30</sup>: All persons aged 15 years and over who, during the reference week:
  - worked for one hour or more for pay, profit, commission or payment in kind in a job or business, or on a farm (comprising employees, employers and own account workers); or
  - worked for one hour or more without pay in a family business or on a farm (i.e. contributing family workers); or
  - were employees who had a job but were not at work and were:
    - away from work for fewer than four weeks up to the end of the reference week; or
    - away from work for more than four weeks up to the end of the reference week and received pay for some or all of the four week period to the end of the reference week; or
    - away from work as a standard work or shift arrangement; or
    - on strike or locked out; or
    - on workers' compensation and expected to return to their job; or
  - were employers or own account workers, who had a job, business or farm, but were not at work.
2. **Vintage Date:** The vintage date reflects the month in which the publication is released.
3. **Reference Date:** The reference date refers to the date to which the observation is referring to.
4. **First Monthly Vintage:** 1969M7 dating back to 1966M8.
5. **Earliest Observation:** Historical series available dating back to 1964M2, although not for all vintages.
6. **Seasonality:** Not seasonally adjusted.

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<sup>30</sup> Source: *Labor Force, Australia* (cat. no. 6202.0), May 2011.  
<http://www.abs.gov.au/AUSSTATS/abs@.nsf/Latestproducts/6202.0Glossary2Mar%202011?opendocument&tabname=Notes&prodno=6202.0&issue=Mar%202011&num=&view=>

7. **Unit of Observations:** Thousands of persons.
8. **Frequency of Publication:** Prior to 1978M3, observations are reported in quarterly surveys; data is available from quarterly publications (i.e. one vintage per quarter with mid-quarter observations). Monthly surveys were introduced thereafter with monthly observations.
9. **Monthly Vintage Names:** EMPnsayyMm, where yy is the year of the vintage, M refers to Month and m the number of the vintage month. For example, the column heading EMPnsa90M1 indicates that this column contains observations available in January of 1990.

**10. Publication Delay:**

- From the 1969M7 vintage up to and including the 1978M2 vintage, the quarterly vintages are obtained from quarterly issues and relate to the observation of the respective series in the mid-quarter month of the previous quarter. For example, data for the August month in quarter three is available in the issue released in the fourth quarter. Therefore, there is generally a one quarter delay in the release of data.
- After the introduction of a monthly survey in the 1978M3 vintage, the figures are obtained from monthly releases. The data in these vintages relate to the observation of the respective series in the previous month. For example, data for the August month is available in the issue released within the first two weeks of September - there is a one month delay in the release of data.

**11. Revisions:**

- a. The labour force estimates are revised every five years following the revisions made to the Estimated Resident Population (ERP).
- b. The series were revised every February or March due to an annual seasonal re-analysis using a forward factor adjustment method until the 2003 December vintage. From the 2004 January vintage onwards, the ABS introduced a concurrent adjustment method. As a result, the

seasonal factors are re-analysed every month. Also, a specific adjustment for Easter and January holiday period was introduced.

12. **Data Sources:** The primary data source is the ABS publication Labour Force Australia (cat. no. 6202.0). Deep-history vintages are obtained from the ABS quarterly microfiche publication: *Time Series Data* (cat. no. 1311.0 & 1335.0). See Table 1 for details.

*Table 1: Sources of Data Series*

Publication Date	Reference	Format	Source
1969M7 – 1978M2	<i>Labour Force, Australia</i> (cat. no. 6203.0)	PDF	Online
1978M3 – 1981M4	<i>Labour Force, Preliminary</i> (cat. no. 6202.0)	Micro-fiche	The University of Melbourne, Business and Economics Library
1981M5 – 1992M3	<i>Labour Force, Australia, Preliminary</i> (cat. no. 6202.0)	Micro-fiche	The University of Melbourne, Business and Economics Library
	<i>Time Series Data</i> (cat. no. 1311.0)	Micro-fiche	The National Library, Canberra
1992M4 – 1993M12	<i>Labour Force, Australia, Preliminary</i> (cat. no. 6202.0)	Hard-copy	The University of Melbourne, Business and Economics Library
1994M1 – 1997M12	<i>Labour Force, Australia, Preliminary</i> (cat. no. 6202.0)	PDF	Online
1998M1 – 2003M4	<i>Labour Force, Preliminary</i> (cat. no. 6202.0)	PDF	Online
2003M5 – 2009M2	<i>Labour Force, Australia</i> (cat. no. 6202.0)	PDF	Online
2005 M12 – 2009M2	<i>Labour Force, Australia, Spreadsheets</i> (cat. no. 6202.0.55.001)	Excel Workbook	Online
2009M3 – present	<i>Labour Force, Australia</i> (cat. no. 6202.0); Table 03; Series ID: A163155R.	Excel Workbook	Online

**Special notes:**

1. **EMPnsa69M7 – First release of not seasonally adjusted Employed Persons series.** First release of national series in a quarterly survey. Each vintage reports the observations referring to the mid-quarter months (i.e. reference dates are: February, May, August and November in each year).
2. **EMPnsa73M9 – Two new observations.** This was the first vintage released in 1973 with observations referring to the period 1971M11 to 1973M2. It includes two new observations instead of one new observation relative to the earlier vintages.
3. **EMPnsa75M10 – Updated population benchmark.** All observations from here on are based on the results of the 1971 Census of Population and Housing.
4. **EMPnsa78M3 – Introduction of a monthly survey.** The first not seasonally adjusted Employed Persons series published in a monthly survey.
5. **EMPnsa84M3 – Updated population benchmark.** All observations from here on are based on the results of the 1981 Census of Population and Housing.
6. **EMPnsa86M5 – Unexpected revision.** From May 1986, the definition of employed persons was changed to include persons who worked without pay between 1 to 14 hours per week in a family business or farm (i.e. contributing family workers).
7. **EMPnsa89M3 – Updated population benchmark.** All observations from here on are based on the results of the 1986 Census of Population and Housing.
8. **EMPnsa94M3 – Updated population benchmark.** All observations from here on are based on the results of the 1991 Census of Population and Housing.
9. **EMPnsa99M3 – Updated population benchmark.** All observations from here on are based on the results of the 1996 Census of Population and Housing.
10. **EMPnsa01M5 – Unexpected revision.** The May 2001 vintage involves a re-designed survey questionnaire. As a result, the definition of Unemployed Persons was changed to include all persons who were waiting to start work and were available to start in the reference week. This change resulted in a

revision of the historical data from the May 2001 vintage causing a trend break in the unemployment rate series.

11. **EMPnsa04M3 – Unexpected revision.** This revision is due to an updated population benchmark and definitional changes. All observations from here on are based on the results of the 2001 Census of Population and Housing. In addition, a minor change to the definition of unemployment was implemented which involved the treatment of future starters not actively looking for work.
12. **EMPnsa09M3 - Updated population benchmark.** This revision is due to a revised population benchmark which takes into account the results of the 2006 Census of Population and Housing.
13. **EMPnsa10M8 – Unexpected revision.** This revision is due to changes in population benchmarks which incorporates revisions made to the Net Overseas Migration estimates, published in the September 2008 and September 2009 issues of the *Australian Demographic Statistics* (cat. no. 3101.0).

**URnsa – Unemployment Rate, Not Seasonally Adjusted**

1. **Definition (as of June 2011)**<sup>31</sup>: The number of unemployed workers expressed as a percentage of the labour force.
2. **Vintage Date:** The vintage date reflects the quarter in which the publication is released.
3. **Reference Date:** The reference date refers to the date to which the observation is referring to.
4. **First Monthly Vintage:** 1969M7 dating back to 1966M8.
5. **Earliest Observation:** Historical series available dating back to 1964M2, although not for all vintages.
6. **Seasonality:** Not seasonally adjusted.
7. **Unit of Observations:** Percentage points.
8. **Frequency of publication:** Prior to 1978M3, observations are reported in quarterly surveys; data is available from quarterly publications (i.e. one vintage per quarter with mid-quarter observations). Monthly surveys were introduced thereafter with monthly observations.
9. **Monthly vintage names:** URnsayMm, where yy is the year of the vintage, M refers to Month and m the number of the vintage month. For example, the column heading URnsa90M1 indicates that this column contains observations available in January 1990.
10. **Publication Delay:**
  - From the 1969M7 vintage up to and including the 1978M2 vintage, the quarterly vintages are obtained from quarterly issues and relate to the observation of the respective series in the mid-quarter month of the previous quarter. For example, data for the August month in quarter three is available in the issue released in the fourth quarter. Therefore, there is generally a one quarter delay in the release of data.

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<sup>31</sup> Source: *Labor Force, Australia* (cat. no. 6202.0), May 2011.  
<http://www.abs.gov.au/AUSSTATS/abs@.nsf/Latestproducts/6202.0Glossary2Mar%202011?opendocument&tabname=Notes&prodno=6202.0&issue=Mar%202011&num=&view=>

- After the introduction of a monthly survey in the 1978M3 vintage, the figures are obtained from monthly releases. The data in these vintages relate to the observation of the respective series in the previous month. For example, data for the August month is available in the issue released within the first two weeks of September - there is a one month delay in the release of data.

#### 11. Revisions:

- a. The labour force estimates are revised every five years following the revisions made to the Estimated Resident Population (ERP).
- b. The series were revised every February or March due to an annual seasonal re-analysis using a forward factor adjustment method until the 2003 December vintage. From the 2004 January vintage onwards, the ABS introduced a concurrent adjustment method. As a result, the seasonal factors are re-analysed every month. Also, a specific adjustment for Easter and January holiday period was introduced.

12. **Data Sources:** The primary data source is the ABS publication Labour Force Australia (cat. no. 6202.0). Deep-history vintages are obtained from the ABS quarterly microfiche publication: *Time Series Data* (cat. no. 1311.0 & 1335.0). See Table 2 for details.

*Table 2: Sources of Data Series*

Publication Date	Reference	Format	Source
1969M7 – 1978M2	<i>Labour Force, Australia</i> (cat. no. 6203.0)	PDF	Online
1978M3 – 1981M4	<i>Labour Force, Preliminary</i> (cat. no. 6202.0)	Microfi che	The University of Melbourne, Business and Economics Library

Table 2: Sources of Data Series (Continued)

Publication Date	Reference	Format	Source
1981M5 – 1992M3	<i>Labour Force, Australia, Preliminary</i> (cat. no. 6202.0)	Micro-fiche	The University of Melbourne, Business and Economics Library
	<i>Time Series Data</i> (cat. no. 1311.0)	Micro-fiche	The National Library, Canberra
1992M4 – 1993M12	<i>Labour Force, Australia, Preliminary</i> (cat. no. 6202.0)	Hard-copy	The University of Melbourne, Business and Economics Library
1994M1 – 1997M12	<i>Labour Force, Australia, Preliminary</i> (cat. no. 6202.0)	PDF	Online
1998M1 – 2003M4	<i>Labour Force, Preliminary</i> (cat. no. 6202.0)	PDF	Online
2003M5 – 2009M2	<i>Labour Force, Australia</i> (cat. no. 6202.0)	PDF	Online
2005 M12 – 2009M2	<i>Labour Force, Australia, Spreadsheets</i> (cat. no. 6202.0.55.001)	Excel Workbook	Online
2009M3 – present	<i>Labour Force, Australia</i> (cat. no. 6202.0); Table 03; Series ID: A163165V.	Excel Workbook	Online



**Special notes:**

1. **URnsa69M7 – First release of not seasonally adjusted Unemployment Rate.** First release of national series in a quarterly survey. Each vintage reports the observations referring to the mid-quarter months (i.e. reference dates are: February, May, August and November in each year).
2. **URnsa73M9 – Two new observations.** This was the first vintage released in 1973 with observations referring to the period 1971M11 to 1973M2. It includes two new observations instead of one new observation relative to the earlier vintages.
3. **URnsa75M10 – Updated population benchmark.** All observations from here on are based on the results of the 1971 Census of Population and Housing.
4. **URnsa78M3 – Introduction of a monthly survey.** The first not seasonally adjusted Unemployment Rate series published in a monthly survey.
5. **URnsa84M3 – Updated population benchmark.** All observations from here on are based on the results of the 1981 Census of Population and Housing.
6. **URnsa86M5 – Unexpected revision.** From May 1986, the definition of Employed Persons was changed to include persons who worked without pay between 1 to 14 hours per week in a family business or farm (i.e, contributing family workers).
7. **URnsa89M3 – Updated population benchmark.** All observations from here on are based on the results of the 1986 Census of Population and Housing.
8. **URnsa94M3 – Updated population benchmark.** All observations from here on are based on the results of the 1991 Census of Population and Housing.
9. **URnsa99M3 – Updated population benchmark.** All observations from here on are based on the results of the 1996 Census of Population and Housing.
10. **URnsa01M5 – Unexpected revision.** The 2001M5 vintage involves a re-designed survey questionnaire. As a result, the definition of Unemployed Persons was changed to include all persons who were waiting to start work and were available to start in the reference week. This change resulted in a

revision of the historical data from the 2001M5 vintage causing a trend break in the Unemployment rate series.

11. **URnsa04M3 – Unexpected revision.** This revision is due to an updated population benchmark and definitional changes. All observations from here on are based on the results of the 2001 Census of Population and Housing. In addition, a minor change to the definition of Unemployment was implemented which involved the treatment of future starters not actively looking for work.
12. **URnsa09M3 – Updated population benchmark.** This revision is due to a revised population benchmark which takes into account the results of the 2006 Census of Population and Housing.
13. **URnsa10M8 – Unexpected revision.** This revision is due to changes in population benchmarks which incorporates revisions made to the Net Overseas Migration estimates, published in the September 2008 and September 2009 issues of *Australian Demographic Statistics* (cat. no. 3101.0).

## **Selected Monetary Aggregates**

Measured at a monthly frequency and published monthly.

**CUnsa – Currency, Not Seasonally Adjusted**

1. **Definition (as of June 2011)<sup>32</sup>:** Currency comprises holdings of notes and coins by the private non-bank sector.
2. **Vintage Date:** The vintage date reflects the month in which the publication is released.
3. **Reference Date:** The reference date refers to the date to which the observation is referring to.
4. **Variable Name Changes:** This variable has undergone a name change in the past; see Table 1 for details.

*Table 1: Variable Name Changes*

Publication Date	Variable Name
1960M8 – 1974M8	Notes and Coins in hands of Public
1974M9 – present	Currency

5. **First Monthly Vintage:** 1960M8 dating back to 1959M4.
6. **Earliest Observation:** Historical series available dating back to 1952M9, although not for all vintages.
7. **Seasonality:** Not seasonally adjusted.
8. **Unit of Observations:** There are several unit changes; see Table 2 for details.

*Table 2: Unit Changes*

Publication Date	Unit
1960M8 – 1966M2	Millions of pounds
1966M3 – 2004M5	Millions of dollars
2004M6 – present	Billions of dollars

9. **Monthly Vintage Names:** Prior to 1974M9, the vintage name was N&CnsayyMm and it changed to CUnsayyMm thereafter. In these vintage names, yy refers to the year of the vintage, M refers to Month and m the

<sup>32</sup> Source: *Reserve Bank of Australia Bulletin*, Notes to Tables, December 2009.

number of the vintage month. For example, the column heading CUnsa75M1 indicates that this column contains not seasonally adjusted observations for Currency that is available in the first month of 1975.

10. **Publication Delay:** Prior to 1962M11, the release of monetary aggregate observations was irregular and there were no obvious patterns in the publication delay. From 1962M11 onwards, there were several changes in the publication delay; see Table 3 for details.

*Table 3: Publication Delay*

Vintage Period	First Observation of	Reference Date in RBA Publication	RBA Publication Date	Vintage Date
1962M11 – 1984M12 (two-month delay in the release of data)	M1	February	March	M3
	M2	March	April	M4
	M3	April	May	M5
	M4	May	June	M6
	M5	June	July	M7
	M6	July	August	M8
	M7	August	September	M9
	M8	September	October	M10
	M9	October	November	M11
	M10	November	December	M12
	M11	December	January	M1
	M12	January	February	M2

Table 3: Publication Delay (Continued)

Vintage Period	First Observation of	Reference Date in RBA Publication	RBA Publication Date	Vintage Date
1985M1 – 2009M12 (two-month delay in the release of data)	M1	March	March	M3
	M2	April	April	M4
	M3	May	May	M5
	M4	June	June	M6
	M5	July	July	M7
	M6	August	August	M8
	M7	September	September	M9
	M8	October	October	M10
	M9	November	November	M11
	M10	December	December	M12
	M11	January	January	M1
	M12	February	February	M2
2010M1 – present (one-month delay in the release of data)	M1	February	February	M2
	M2	March	March	M3
	M3	April	April	M4
	M4	May	May	M5
	M5	June	June	M6
	M6	July	July	M7
	M7	August	August	M8
	M8	September	September	M9
	M9	October	October	M10
	M10	November	November	M11
	M11	December	December	M12
	M12	January	January	M1

11. **Data Source:** The primary data source is the RBA publication: *Reserve Bank of Australia Bulletin*.

Table 4: Sources of Data Series

Publication Date	Reference	Format	Source
1960M8 – 1981M7	<i>Reserve Bank of Australia Statistical Bulletin</i> ; Table: Volume of Money	Hard-copy	The University of Melbourne, Business and Economics Library
1981M8 – 1984M7	<i>Reserve Bank of Australia Bulletin</i> ; Table A.3: Volume of Money	Hard-copy	The University of Melbourne, Business and Economics Library
1984M8 – 1985M10	<i>Reserve Bank of Australia Bulletin</i> ; Table A.2: Selected Monetary Aggregates	Hard-copy	The University of Melbourne, Business and Economics Library
1985M11 – 1990M2	<i>Reserve Bank of Australia Bulletin</i> ; Table A.1: Levels of Monetary Aggregates	Hard-copy	The University of Melbourne, Business and Economics Library
1990M3 – 1998M9	<i>Reserve Bank of Australia Bulletin</i> ; Table D.1: Levels of Monetary Aggregates	Hard-copy	The University of Melbourne, Business and Economics Library
1998M10 – 2009M12	<i>Reserve Bank of Australia Bulletin</i> ; Table D.3: Monetary Aggregates	Hard-copy	The University of Melbourne, Business and Economics Library
2010M1 – present	<i>Reserve Bank of Australia</i> online Statistical Tables; <a href="#">Monetary Aggregates - D3</a>	Excel Workbook	Online

**Special notes:**

1. **N&Cnsa60M8 – First included not seasonally adjusted Currency series.** Observations are in millions of pounds.
2. **N&Cnsa60M8 to N&Cnsa62M10 – Irregular releases.** The table Volume of Money was not published every month and the range of observations may vary. As a result, the reported data during this period is subject to missing vintages and observations.
3. **N&Cnsa62M11 – First regular release of observations for monetary aggregates.** There is a one-month delay in the release of data.
4. **N&Cnsa66M3 – Change of unit.** Observations from here on are measured in millions of dollars.
5. **N&Cnsa74M1 – Two releases are reported.** Two vintages with the same vintage name with two observations referring to the 1973M6 reference date. One observation includes Papua New Guinea; the other observation excludes Papua New Guinea.
6. **N&Cnsa74M2 – Irregularity in observations.** From the 1974M2 vintage onwards, all observations before and including the 1973M6 reference date for each vintage include Papua New Guinea; the entries following this reference date for each vintage exclude Papua New Guinea.
7. **CUnsa74M9 – Change of title.** The series from here on are reported under the title Currency.
8. **CUnsa85M1 – Combined issue and change in publication delay.** The 1984 December and 1985 January issues were combined so that the cover date of the *Bulletin* will be the month of publication. In the workbook, observations are reported under the vintage name CUnsa85M1.
9. **CUnsa04M6 – Change of unit.** Observations from here on are measured in billions of dollars.
10. **CUnsa10M1 – First available online series and change in publication delay.** Online publications facilitate the release of data and have reduced the



publication delay to one month. These series are generally overwritten at the end of each month.

**CDnsa – Current Deposits, Not Seasonally Adjusted**

1. **Definition (as of June 2011)**<sup>33</sup>: Current Deposits are deposits made by the public which exclude Australian and State Government and inter-bank deposits.
2. **Vintage Date**: The vintage date reflects the month in which the publication is released.
3. **Reference Date**: The reference date refers to the date to which the observation is referring to.
4. **First Monthly Vintage**: 1960M8 dating back to 1959M4.
5. **Earliest Observation**: Historical series available dating back to 1952M9, although not for all vintages.
6. **Seasonality**: Not seasonally adjusted.
7. **Unit of Observations**: There are several unit changes; see Table 1 for details.

*Table 1: Unit Changes*

Publication Date	Unit
1960M8 – 1966M2	Millions of pounds
1966M3 – 2004M5	Millions of dollars
2004M6 – present	Billions of dollars

8. **Monthly Vintage Names**: CDnsayyMm, where yy is the year of the vintage, M refers to Month and m the number of the vintage month. For example, the column heading CDnsa75M1 indicates that this column contains not seasonally adjusted observations for current deposits that are available in the first month of 1975.
9. **Publication Delay**: Prior to 1962M11, the release of monetary aggregate observations was irregular and there were no obvious patterns in the publication delay. From 1962M11 onwards, there were several changes in the publication delay; see Table 2 for details.

*Table 2: Publication Delay*

<sup>33</sup> Source: *Reserve Bank of Australia Bulletin*, Notes to Tables, December 2009.

Vintage Period	First Observation of	Reference Date in RBA Publication	RBA Publication Date	Vintage Date
1962M11 – 1984M12 (two-month delay in the release of data)	M1	February	March	M3
	M2	March	April	M4
	M3	April	May	M5
	M4	May	June	M6
	M5	June	July	M7
	M6	July	August	M8
	M7	August	September	M9
	M8	September	October	M10
	M9	October	November	M11
	M10	November	December	M12
	M11	December	January	M1
	M12	January	February	M2
1985M1 – 2009M12 (two-month delay in the release of data)	M1	March	March	M3
	M2	April	April	M4
	M3	May	May	M5
	M4	June	June	M6
	M5	July	July	M7
	M6	August	August	M8
	M7	September	September	M9
	M8	October	October	M10
	M9	November	November	M11
	M10	December	December	M12
	M11	January	January	M1
	M12	February	February	M2
2010M1 – present (one-month delay in the release of data)	M1	February	February	M2
	M2	March	March	M3
	M3	April	April	M4
	M4	May	May	M5
	M5	June	June	M6
	M6	July	July	M7
	M7	August	August	M8
	M8	September	September	M9
	M9	October	October	M10
	M10	November	November	M11
	M11	December	December	M12
	M12	January	January	M1

10. **Data Source:** The primary data source is the RBA publication: *Reserve Bank of Australia Bulletin*.

*Table 3: Sources of Data Series*

Publication Date	Reference	Format	Source
1960M8 – 1981M7	<i>Reserve Bank of Australia Statistical Bulletin</i> ; Table: Volume of Money	Hard-copy	The University of Melbourne, Business and Economics Library
1981M8 – 1984M7	<i>Reserve Bank of Australia Bulletin</i> ; Table A.3: Volume of Money	Hard-copy	The University of Melbourne, Business and Economics Library
1984M8 – 1985M10	<i>Reserve Bank of Australia Bulletin</i> ; Table A.2: Selected Monetary Aggregates	Hard-copy	The University of Melbourne, Business and Economics Library
1985M11 – 1990M2	<i>Reserve Bank of Australia Bulletin</i> ; Table A.1: Levels of Monetary Aggregates	Hard-copy	The University of Melbourne, Business and Economics Library
1990M3 – 1998M9	<i>Reserve Bank of Australia Bulletin</i> ; Table D.1: Levels of Monetary Aggregates	Hard-copy	The University of Melbourne, Business and Economics Library
1998M10 – 2009M12	<i>Reserve Bank of Australia Bulletin</i> ; Table D.3: Monetary Aggregates	Hard-copy	The University of Melbourne, Business and Economics Library
2010M1 – present	<i>Reserve Bank of Australia</i> online Statistical Tables; <a href="#">Monetary Aggregates - D3</a>	Excel Work-book	Online

**Special notes:**

1. **CDnsa60M8 – First included not seasonally adjusted Current Deposits series.** Observations are in millions of pounds.
2. **CDnsa60M8 to CDnsa62M10 – Irregular releases.** The table Volume of Money was not published every month and the range of observations may vary. As a result, the reported data during this period is subject to missing vintages and observations.
3. **CDnsa62M11 – First regular release of observations for monetary aggregates.** There is a one-month delay in the release of the data.
4. **CDnsa66M3 – Change of unit.** Observations from here on are measured in millions of dollars.
5. **CDnsa74M1 – Two releases are reported.** Two vintages with the same vintage name with two observations referring to the 1973M6 reference date. One observation includes Papua New Guinea; the other observation excludes Papua New Guinea.
6. **CDnsa74M2 – Irregularity in observations.** From the 1974M2 vintage onwards, all observations before and including the 1973M6 reference date for each vintage include Papua New Guinea; the entries following this reference date for each vintage exclude Papua New Guinea.
7. **CDnsa85M1 – Combined issue and change in publication delay.** The 1984 December and 1985 January issues were combined so that the cover date of the *Bulletin* will be the month of publication. In the workbook, observations are reported under the vintage name CUnsa85M1.
8. **CDnsa04M6 – Change of unit.** Observations from here on are measured in billions of dollars.
9. **CDnsa10M1 – First available online series and change in publication delay.** Online publications facilitate the release of data and have reduced the publication delay to one month. These series are generally overwritten at the end of each month.

**M1sa & M1nsa – M1, Seasonally Adjusted and Not Seasonally Adjusted**

1. **Definition (as of June 2011)**<sup>34</sup>: M1 is defined as currency plus bank current deposits of the private non-bank sector.
2. **Vintage Date**: The vintage date reflects the month in which the publication is released.
3. **Reference Date**: The reference date refers to the date to which the observation is referring to.
4. **First Monthly Vintage**: 1974M9 dating back to 1971M7.
5. **Earliest Observation**: Historical series available dating back to 1971M7, although not for all vintages.
6. **Seasonality**: Seasonally adjusted except for the observations between the 1985M11 and 1998M9 vintages.
7. **Unit of Observations**: There are several unit changes; see Table 1 for details.

*Table 1: Unit Changes*

Publication Date	Unit
1974M9 – 2004M5	Millions of dollars
2004M6 – present	Billions of dollars

8. **Monthly Vintage Names**: M1nsayyMm applies to the vintages from 1985M12 to 1998M10 and M1sayyMm applies for all other vintages. In these vintage names, yy refers to the year of the vintage, M refers to Month and m the number of the vintage month. For example, the column heading M1sa75M1 indicates that this column contains seasonally adjusted observations available in the first month of 1975.

<sup>34</sup>Source: Reserve Bank of Australia (RBA) Online Glossary, June 2011, [http://search.rba.gov.au/search?q=monetary+aggregates&output=xml\\_no\\_dtd&client=newRBA&proxystylesheet=newRBA&](http://search.rba.gov.au/search?q=monetary+aggregates&output=xml_no_dtd&client=newRBA&proxystylesheet=newRBA&)

9. **Publication Delay:** There are several changes in the publication delay; see Table 2 for details.

*Table 2: Publication Delay*

Vintage Period	First Observation of	Reference Date in RBA Publication	RBA Publication Date	Vintage Date
1974M8 – 1984M12 (two-month delay in the release of data).	M1	February	March	M3
	M2	March	April	M4
	M3	April	May	M5
	M4	May	June	M6
	M5	June	July	M7
	M6	July	August	M8
	M7	August	September	M9
	M8	September	October	M10
	M9	October	November	M11
	M10	November	December	M12
	M11	December	January	M1
	M12	January	February	M2
1985M1 – 2009M12 (two-month delay in the release of data)	M1	March	March	M3
	M2	April	April	M4
	M3	May	May	M5
	M4	June	June	M6
	M5	July	July	M7
	M6	August	August	M8
	M7	September	September	M9
	M8	October	October	M10
	M9	November	November	M11
	M10	December	December	M12
	M11	January	January	M1
	M12	February	February	M2
2010M1 – present (one-month delay in the release of data)	M1	February	February	M2
	M2	March	March	M3
	M3	April	April	M4
	M4	May	May	M5
	M5	June	June	M6
	M6	July	July	M7
	M7	August	August	M8
	M8	September	September	M9
	M9	October	October	M10
	M10	November	November	M11
	M11	December	December	M12
	M12	January	January	M1

10. **Data Source:** The primary data source is the RBA publication: *Reserve Bank of Australia Bulletin*.

*Table 3: Sources of Data Series*

Publication Date	Reference	Format	Source
1974M9 – 1981M7	<i>Reserve Bank of Australia Statistical Bulletin</i> ; Table: Volume of Money	Hard-copy	The University of Melbourne, Business and Economics Library
1981M8 – 1984M7	<i>Reserve Bank of Australia Bulletin</i> ; Table A.3: Volume of Money	Hard-copy	The University of Melbourne, Business and Economics Library
1984M8 – 1985M10	<i>Reserve Bank of Australia Bulletin</i> ; Table A.2: Selected Monetary Aggregates	Hard-copy	The University of Melbourne, Business and Economics Library
1985M11 – 1990M2	<i>Reserve Bank of Australia Bulletin</i> ; Table A.1: Levels of Monetary Aggregates	Hard-copy	The University of Melbourne, Business and Economics Library
1990M3 – 1998M9	<i>Reserve Bank of Australia Bulletin</i> ; Table D.1: Levels of Monetary Aggregates	Hard-copy	The University of Melbourne, Business and Economics Library
1998M10 – 2009M12	<i>Reserve Bank of Australia Bulletin</i> ; Table D.3: Monetary Aggregates	Hard-copy	The University of Melbourne, Business and Economics Library
2010M1 – present	<i>Reserve Bank of Australia</i> online Statistical Tables; <a href="#">Monetary Aggregates - D3</a>	Excel Work-book	Online



**Special Notes:**

1. **M1sa74M9 – First included seasonally adjusted M1 vintage.** Observations are in millions of dollars.
2. **M1sa74M9 – Irregularity in observations.** From the 1974M9 vintage onwards, all observations before and including the 1973M6 reference date for each vintage include Papua New Guinea; the entries following this reference date for each vintage exclude Papua New Guinea.
3. **M1sa85M1 – Combined issue and change in publication delay.** The 1984 December and 1985 January issues were combined so that the cover date of the *Bulletin* will be the month of publication. In the workbook, observations are reported under the vintage name M1sa85M1.
4. **M1nsa85M11 – Seasonality change.** Observations from the 1985M11 vintage are not seasonally adjusted. Seasonally adjusted figures were not published – reported values are the sum of the original measures for Currency and Current Deposits (i.e.: CUnsa + CDnsa).
5. **M1sa98M10 – Seasonality change.** Observations published from the 1998M10 vintage onwards are seasonally adjusted.
6. **M1sa04M6 – Change of unit.** Observations from here on are measured in billions of dollars.
7. **M1sa10M1 – First available online series and change in publication delay.** Online publications facilitate the release of data and have reduced the publication delay to one month. These series are generally overwritten at the end of each month.

**M3sa – M3, Seasonally Adjusted**

1. **Definition (as of June 2011)**<sup>35</sup>: M3 is defined as M1 plus all other bank deposits of the private non-bank sector.
2. **Vintage Date**: The vintage date reflects the month in which the publication is released.
3. **Reference Date**: The reference date refers to the date to which the observation is referring to.
4. **First Monthly Vintage**: 1960M8 dating back to 1959M4.
5. **Earliest Observation**: Historical series available dating back to 1952M9, although not for all vintages.
6. **Seasonality**: Seasonally adjusted.
7. **Unit of Observations**: There are several unit changes; see Table 1 for details.

*Table 1: Unit Changes*

Publication Date	Unit
1960M8 – 1966M2	Millions of pounds
1966M3 – 2004M5	Millions of dollars
2004M6 – present	Billions of dollars

8. **Monthly Vintage Names**: M3sayyMm where yy is the year of the vintage, M refers to Month and m the number of the vintage month. For example, the column heading M3sa75M1 indicates that this column contains observations available in the first month of 1975.

<sup>35</sup> Source: Reserve Bank of Australia (RBA) Online Glossary, June 2011, [http://search.rba.gov.au/search?q=monetary+aggregates&output=xml\\_no\\_dtd&client=newRBA&proxystylesheet=newRBA&](http://search.rba.gov.au/search?q=monetary+aggregates&output=xml_no_dtd&client=newRBA&proxystylesheet=newRBA&)

9. **Publication Delay:** Prior to 1962M11, the release of monetary aggregate observations was irregular and there were no obvious patterns in the publication delay. From 1962M11 onwards, there were several changes in the publication delay; see Table 3 for details.

*Table 2: Publication Delay*

Vintage Period	First Observation of	Reference Date in RBA Publication	RBA Publication Date	Vintage Date
1962M11 – 1984M12 (two-month delay in the release of data)	M1	February	March	M3
	M2	March	April	M4
	M3	April	May	M5
	M4	May	June	M6
	M5	June	July	M7
	M6	July	August	M8
	M7	August	September	M9
	M8	September	October	M10
	M9	October	November	M11
	M10	November	December	M12
	M11	December	January	M1
	M12	January	February	M2
1985M1 – 2009M12 (two-month delay in the release of data)	M1	March	March	M3
	M2	April	April	M4
	M3	May	May	M5
	M4	June	June	M6
	M5	July	July	M7
	M6	August	August	M8
	M7	September	September	M9
	M8	October	October	M10
	M9	November	November	M11
	M10	December	December	M12
	M11	January	January	M1
	M12	February	February	M2

Table 2: Publication Delay (Continued)

Vintage Period	First Observation of	Reference Date in RBA Publication	RBA Publication Date	Vintage Date
2010M1 – present (one-month delay in the release of data)	M1	February	February	M2
	M2	March	March	M3
	M3	April	April	M4
	M4	May	May	M5
	M5	June	June	M6
	M6	July	July	M7
	M7	August	August	M8
	M8	September	September	M9
	M9	October	October	M10
	M10	November	November	M11
	M11	December	December	M12
	M12	January	January	M1

10. **Data Source:** The primary data source is the RBA publication: *Reserve Bank of Australia Bulletin*.

Table 3: Sources of Data Series

Publication Date	Reference	Format	Source
1960M8 – 1981M7	<i>Reserve Bank of Australia Statistical Bulletin</i> ; Table: Volume of Money	Hard-copy	The University of Melbourne, Business and Economics Library
1981M8 – 1984M7	<i>Reserve Bank of Australia Bulletin</i> ; Table A.3: Volume of Money	Hard-copy	The University of Melbourne, Business and Economics Library
1984M8 – 1985M10	<i>Reserve Bank of Australia Bulletin</i> ; Table A.2: Selected Monetary Aggregates	Hard-copy	The University of Melbourne, Business and Economics Library
1985M11 – 1990M2	<i>Reserve Bank of Australia Bulletin</i> ; Table A.1: Levels of Monetary Aggregates	Hard-copy	The University of Melbourne, Business and Economics Library

Table 3: Sources of Data Series (Continued)

Publication Date	Reference	Format	Source
1990M3 – 1998M9	<i>Reserve Bank of Australia Bulletin</i> ; Table D.1: Levels of Monetary Aggregates	Hard-copy	The University of Melbourne, Business and Economics Library
1998M10 – 2009M12	<i>Reserve Bank of Australia Bulletin</i> ; Table D.3: Monetary Aggregates	Hard-copy	The University of Melbourne, Business and Economics Library
2010M1 – present	<i>Reserve Bank of Australia</i> online Statistical Tables; <a href="#">Monetary Aggregates - D3</a>	Excel Workbook	Online

**Special notes:**

1. **M3sa60M8 – First included seasonally adjusted M3 series.** Observations are in millions of pounds.
2. **M3sa60M8 to M3sa62M10 – Irregular releases.** The table Volume of Money was not published every month and the range of observations may vary. As a result, the reported data during this period is subject to missing vintages and observations.
3. **M3sa62M11 – First regular release of observations for monetary aggregates.** There is a one-month delay in the release of the data.
4. **M3sa66M3 – Change of unit.** Observations from here on are measured in millions of dollars.
5. **M3sa74M1 – Two releases are reported.** Two vintages with the same vintage name with two observations referring to the 1973M6 reference date. One observation includes Papua New Guinea; the other observation excludes Papua New Guinea.
6. **M3sa74M2 – Irregularity in observations.** From the 1974M2 vintage onwards, all observations before and including the 1973M6 reference date for each vintage include Papua New Guinea; the entries following this reference date for each vintage exclude Papua New Guinea.
7. **M3sa85M1 – Combined issue and change in publication delay.** The 1984 December and 1985 January issues were combined so that the cover date of the *Bulletin* will be the month of publication. In the workbook, observations are reported under the vintage name M3sa85M1.
8. **M3sa04M6 – Change of unit.** Observations from here on are measured in billions of dollars.
9. **M3sa10M1 – First available online series and change in publication delay.** Online publications facilitate the release of data and have reduced the publication delay to one month. These series are generally overwritten at the end of each month.

**BMsa – Broad Money, Seasonally Adjusted**

1. **Definition (as of June 2011)**<sup>36</sup>: Broad Money is defined as M3 plus borrowings from the private sector by NBFIs, less the latter's holdings of currency and bank deposits.
2. **Vintage Date**: The vintage date reflects the month in which the publication is released.
3. **Reference Date**: The reference date refers to the date to which the observation is referring to.
4. **First Monthly Vintage**: 1984M8 dating back to 1981M7.
5. **Earliest Observation**: Historical series available dating back to 1976M8, although not for all vintages.
6. **Seasonality**: Seasonally adjusted.
7. **Unit of Observations**: There are two unit changes; see Table 1 for details.

*Table 1: Unit Changes*

Publication Date	Unit
1984M8 – 2004M5	Millions of dollars
2004M6 – present	Billions of dollars

8. **Monthly Vintage Names**: BMsayyMm, where yy is the year of the vintage, M refers to Month and m the number of the vintage month. For example, the column heading BMsa95M1 indicates that this column contains observations available in the first month of 1995.
9. **Publication Delay**: There are several changes in the publication delay; see Table 2 for details.

<sup>36</sup> Source: Reserve Bank of Australia (RBA) Online Glossary, June 2011, [http://search.rba.gov.au/search?q=broad+money&output=xml\\_no\\_dtd&client=newRBA&proxystylesheet=newRBA&](http://search.rba.gov.au/search?q=broad+money&output=xml_no_dtd&client=newRBA&proxystylesheet=newRBA&)

Table 2: Publication Delay

Vintage Period	First Observation of	Reference Date in RBA Publication	RBA Publication Date	Vintage Date
1984M8 – 1984M12 (three-month delay in the release of data)	M1	March	April	M4
	M2	April	May	M5
	M3	May	June	M6
	M4	June	July	M7
	M5	July	August	M8
	M6	August	September	M9
	M7	September	October	M10
	M8	October	November	M11
	M9	November	December	M12
	M10	December	January	M1
	M11	January	February	M2
	M12	February	March	M3
1985M1 – 1985M4 (three-month delay in the release of data)	M1	April	April	M4
	M2	May	May	M5
	M3	June	June	M6
	M4	July	July	M7
	M5	August	August	M8
	M6	September	September	M9
	M7	October	October	M10
	M8	November	November	M11
	M9	December	December	M12
	M10	January	January	M1
	M11	February	February	M2
	M12	March	March	M3
1985M5 – 2009M12 (two-month delay in the release of data)	M1	March	March	M3
	M2	April	April	M4
	M3	May	May	M5
	M4	June	June	M6
	M5	July	July	M7
	M6	August	August	M8
	M7	September	September	M9
	M8	October	October	M10
	M9	November	November	M11
	M10	December	December	M12
	M11	January	January	M1
	M12	February	February	M2



Table 2: Publication Delay (Continued)

Vintage Period	First Observation of	Reference Date in RBA Publication	RBA Publication Date	Vintage Date
2010M1 – present (one-month delay in the release of data)	M1	February	February	M2
	M2	March	March	M3
	M3	April	April	M4
	M4	May	May	M5
	M5	June	June	M6
	M6	July	July	M7
	M7	August	August	M8
	M8	September	September	M9
	M9	October	October	M10
	M10	November	November	M11
	M11	December	December	M12
	M12	January	January	M1

10. **Data Source:** The primary data source is the RBA publication: *Reserve Bank of Australia Bulletin*.

Table 3: Sources of Data Series

Publication Date	Reference	Format	Source
1984M8 – 1985M10	<i>Reserve Bank of Australia Bulletin</i> ; Table A.2 Selected Monetary Aggregates	Hard-copy	The University of Melbourne, Business and Economics Library
1985M11 – 1990M2	<i>Reserve Bank of Australia Bulletin</i> ; Table A.1 Levels of Monetary Aggregates	Hard-copy	The University of Melbourne, Business and Economics Library
1990M3 – 1998M9	<i>Reserve Bank of Australia Bulletin</i> ; Table D.1 Levels of Monetary Aggregates	Hard-copy	The University of Melbourne, Business and Economics Library
1998M10 – 2009M12	<i>Reserve Bank of Australia Bulletin</i> ; Table D.3 Monetary Aggregates	Hard-copy	The University of Melbourne, Business and Economics Library
2010M1 – present	<i>Reserve Bank of Australia</i> online Statistical Tables; <a href="#">Monetary Aggregates - D3</a>	Excel Workbook	Online

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**Special notes:**

1. **BMsa84M8 – First included seasonally adjusted Broad Money series.** Observations are in millions of pounds.
2. **BMsa84M8 to BMsa84M12 – The last observation in each vintage is reported as ‘n.a.’.** As a result, there is a three-month delay in the release of data.
3. **BMsa85M1 – Combined issue and change in publication delay.** The 1984 December and 1985 January issues were combined so that the cover date of the *Bulletin* will be the month of publication. In the workbook, observations are reported under the vintage name BMsa85M1.
4. **BMsa85M5 – Change in publication delay.** From this vintage onwards, a preliminary estimate is included in each vintage resulting in a two-month data release delay.
5. **BMsa04M6 – Change of unit.** Observations from here on are measured in billions of dollars.
6. **BMsa10M1 – First available online series and change in publication delay.** Online publications facilitate the release of data and have reduced the publication delay to one month. These series are generally overwritten at the end of each month.

**MBnsa – Monetary Base, Not Seasonally Adjusted**

1. **Definition (as of June 2011)**<sup>37</sup>: Money Base is defined as holdings of banknotes and coins by the private sector plus deposits of banks with the Reserve Bank of Australia (RBA) and other RBA liabilities to the private non-bank sector.
2. **Vintage Date:** The vintage date reflects the month in which the publication is released.
3. **Reference Date:** The reference date refers to the date to which the observation is referring to.
4. **First Monthly Vintage:** 1984M8 dating back to 1981M6.
5. **Earliest Observation:** Historical series available dating back to 1975M2, although not for all vintages.
6. **Seasonality:** Not seasonally adjusted.
7. **Unit of Observations:** There are several unit changes; see Table 1 for details.

*Table 1: Unit Changes*

Publication Date	Unit
1984M8 – 2004M5	Millions of dollars
2004M6 – present	Billions of dollars

8. **Monthly Vintage Names:** MBnsayMm, where yy is the year of the vintage, M refers to Month and m the number of the vintage month. For example, the column heading MBnsa95M1 indicates that this column contains observations available in the first month of 1995.

<sup>37</sup> Source: Reserve Bank of Australia (RBA) Online Glossary, June 2011, [http://search.rba.gov.au/search?q=monetary+aggregates&output=xml\\_no\\_dtd&client=newRBA&proxystylesheet=newRBA&](http://search.rba.gov.au/search?q=monetary+aggregates&output=xml_no_dtd&client=newRBA&proxystylesheet=newRBA&)

9. **Publication Delay:** There are several changes in publication delay; see Table 2 for details.

*Table 2: Publication Delay*

Vintage Period	First Observation of	Reference Date in RBA Publication	RBA Publication Date	Vintage Date
1984M8 – 1984M12 (two-month delay in the release of data)	M1	February	March	M3
	M2	March	April	M4
	M3	April	May	M5
	M4	May	June	M6
	M5	June	July	M7
	M6	July	August	M8
	M7	August	September	M9
	M8	September	October	M10
	M9	October	November	M11
	M10	November	December	M12
	M11	December	January	M1
	M12	January	February	M2
1985M1 – 2009M12 (two-month delay in the release of data)	M1	March	March	M3
	M2	April	April	M4
	M3	May	May	M5
	M4	June	June	M6
	M5	July	July	M7
	M6	August	August	M8
	M7	September	September	M9
	M8	October	October	M10
	M9	November	November	M11
	M10	December	December	M12
	M11	January	January	M1
	M12	February	February	M2
2010M1 – present (one-month delay in the release of data)	M1	February	February	M2
	M2	March	March	M3
	M3	April	April	M4
	M4	May	May	M5
	M5	June	June	M6
	M6	July	July	M7
	M7	August	August	M8
	M8	September	September	M9
	M9	October	October	M10
	M10	November	November	M11
	M11	December	December	M12
	M12	January	January	M1

10. **Data Source:** The primary data source is the RBA publication: *Reserve Bank of Australia Bulletin*.

*Table 3: Sources of Data Series*

Publication Date	Reference	Format	Source
1984M8 – 1985M10	<i>Reserve Bank of Australia Bulletin</i> ; Table A.2: Selected Monetary Aggregates	Hard-copy	The University of Melbourne, Business and Economics Library
1985M11 – 1990M2	<i>Reserve Bank of Australia Bulletin</i> ; Table A.1: Levels of Monetary Aggregates	Hard-copy	The University of Melbourne, Business and Economics Library
1990M3 – 1998M9	<i>Reserve Bank of Australia Bulletin</i> ; Table D.1: Levels of Monetary Aggregates	Hard-copy	The University of Melbourne, Business and Economics Library
1998M10 – 2009M12	<i>Reserve Bank of Australia Bulletin</i> ; Table D.3: Monetary Aggregates	Hard-copy	The University of Melbourne, Business and Economics Library
2010M1 – present	<i>Reserve Bank of Australia</i> online Statistical Tables; <a href="#">Monetary Aggregates - D3</a>	Excel Workbook	Online

**Special notes:**

1. **MBnsa84M8 – First included not seasonally adjusted Monetary Base series.** Observations are in millions of dollars.
2. **MBnsa84M8 – Irregularity in observations.** From the 1974M2 vintage onwards, all observations before and including the 1973M6 reference date for each vintage include Papua New Guinea; the entries following this reference date for each vintage exclude Papua New Guinea.
3. **MBnsa85M1 – Combined issue and change in publication delay.** The 1984 December and 1985 January issues were combined so that the cover date of the *Bulletin* will be the month of publication. In the workbook, observations are reported under the vintage name MBnsa85M1.
4. **MBnsa04M6 – Change of Unit.** Observations from here on are measured in billions of dollars.
5. **MBnsa10M1 – First available online series and change in publication delay.** Online publications facilitate the release of data and have reduced the publication delay to one month. These series are generally overwritten at the end of each month.

## **Miscellaneous Series**

Selected tables disaggregated by industry and are measured at a quarterly frequency and published quarterly.

## **INDUSTRY GROSS VALUE ADDED, Chain Volume Measures, Seasonally Adjusted**

1. **Definition (as of June 2011)<sup>38</sup>:** The value of gross produce by industry at basic prices minus the value of intermediate consumption at purchasers' prices, disaggregated by industry sector.
2. **Vintage Date:** The vintage date reflects the quarter in which the publication is released.
3. **Reference Date:** The reference date refers to the date to which the observation is referring to.
4. **First Quarterly Table:** 2001Q4 containing variables dating back to 1959Q3, although not for all industry sectors.
5. **Earliest Observation:** Historical series available dating back to 1959Q3, although not for all vintages.
6. **Seasonality:** Seasonally adjusted.
7. **Unit of Observations:** Millions of dollars.
8. **Base Prices of Observations:** Measures are collected using the chain volume method with reference year changes approximately every three to five quarters.
9. **Quarterly Table Names:** yyyyQq, where yyyy is the year of the vintage, Q refers to Quarter and q the number of the vintage quarter. Both reflect the publication date of the table. For example, table 2003Q2 indicates that this table was publicly available in the June quarter of 2003.
10. **Publication Delay:** The quarterly vintages are obtained from the issue released in the last month of any quarter (typically in the first week of the month). The data in these vintages relate to the observation of the respective series in the previous quarter. For example, data for the first quarter is available in the issue released in the first week of June. Therefore, there is a one quarter delay in the release of data.

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<sup>38</sup> Source: *Australian System of National Accounts* (cat. no. 5204.0), 2009-10.



*Table 1: Publication Delay*

First Observation of	Reference Date in ABS Publication	ABS Publication Date	Vintage Date
Q1	March	First week in June	Q2
Q2	June	First week in September	Q3
Q3	September	First week in December	Q4
Q4	December	First week in March	Q1

11. **Items Included in the Tables and their series ID's:** The series ID's were first published in the 2006Q3 vintage and hence the following tables refer to vintages from 2006Q3 onwards.

*Table 2: Series ID's Up to and including the 2009Q3 vintage*

No.	Series ID's	Item Description
1	A2303682K	Agriculture, forestry and fishing (A) ; Agriculture ;
2	A2303683L	Agriculture, forestry and fishing (A) ; Forestry and fishing ;
3	A2303684R	Agriculture, forestry and fishing (A) ;
4	A2303685T	Mining (B) ; Mining (excluding services to mining) ;
5	A2303686V	Mining (B) ; Transport services and storage ;
6	A2303687W	Mining (B) ;
7	A2303688X	Manufacturing (C) ; Food, beverage and alcohol ;
8	A2303689A	Manufacturing (C) ; Textile, clothing, footwear and leather ;
9	A2303690K	Manufacturing (C) ; Wood and paper products ;
10	A2303691L	Manufacturing (C) ; Printing, publishing and recorded media ;
11	A2303692R	Manufacturing (C) ; Petroleum, coal, chemical ;
12	A2303693T	Manufacturing (C) ; Non-metallic mineral products ;
13	A2303694V	Manufacturing (C) ; Metal products ;
14	A2303695W	Manufacturing (C) ; Machinery and equipment ;
15	A2303696X	Manufacturing (C) ; Other manufacturing ;
16	A2303697A	Manufacturing (C) ;
17	A2303698C	Electricity, gas and water (D) ; Electricity ;
18	A2303699F	Electricity, gas and water (D) ; Gas ;
19	A2303700C	Electricity, gas and water (D) ; Water supply, sewerage and drainage services ;
20	A2303701F	Electricity, gas and water (D) ;
21	A2303702J	Construction (E) ;
22	A2303452C	Wholesale trade (F) ;
23	A2303453F	Retail trade (G) ;

Table 2: Series ID's Up to and including the 2009Q3 vintage (Continued)

No.	Series ID's	Item Description
24	A2303454J	Accommodation, cafes and restaurants (H) ;
25	A2303455K	Transport and storage (I) ; Road ;
26	A2303456L	Transport and storage (I) ; Air and space ;
27	A2303457R	Transport and storage (I) ; Rail, pipeline and other transport ;
28	A2303458T	Transport and storage (I) ; Transport services and storage ;
29	A2303459V	Transport and storage (I) ;
30	A2303460C	Communication services (J) ;
31	A2303461F	Finance and insurance (K) ;
32	A2303462J	Property and business services (L) ;
33	A2303463K	Government administration and defence (M) ;
34	A2303464L	Education (N) ;
35	A2303465R	Health and community services (O) ;
36	A2303466T	Cultural and recreational services (P) ;
37	A2303467V	Personal and other services (Q) ;
38	A2303468W	Dwellings owned by persons ;
39	A2303469X	Gross value added at basic prices ;
40	A2323353V	Taxes less subsidies on production ;
41	A2303471K	Statistical discrepancy (P) ;
42	A2304402X	GROSS DOMESTIC PRODUCT ;

Table 3: Series ID's for vintages from 2009Q4 onwards

No.	Series ID's	Item Description
1	A2716161K	Agriculture, forestry and fishing (A) ; Agriculture ;
2	A2716162L	Agriculture, forestry and fishing (A) ; Forestry and fishing ;
3	A2716160J	Agriculture, forestry and fishing (A) ;
4	A2716165V	Mining (B) ; Mining (excluding services to mining) ;
5	A2716164T	Mining (B) ; Exploration and mining support services ;
6	A2716163R	Mining (B) ;
7	A2716167X	Manufacturing (C) ; Food, beverage and tobacco products ;
8	A2716173V	Manufacturing (C) ; Textile, clothing and other manufacturing ;
9	A2716174W	Manufacturing (C) ; Wood and paper products ;
10	A2716172T	Manufacturing (C) ; Printing and recorded media ;
11	A2716171R	Manufacturing (C) ; Petroleum, coal, chemical and rubber products ;

Table 3: Series ID's for vintages from 2009Q4 onwards (Continued)

No.	Series ID's	Item Description
12	A2716170L	Manufacturing (C) ; Non-metallic mineral products ;
13	A2716168A	Manufacturing (C) ; Metal products ;
14	A2716169C	Manufacturing (C) ; Machinery and equipment ;
15	A2716166W	Manufacturing (C) ;
16	A2716176A	Electricity, gas, water and waste services (D) ; Electricity ;
17	A2716177C	Electricity, gas, water and waste services (D) ; Gas ;
18	A2716178F	Electricity, gas, water and waste services (D) ; Water supply and waste services ;
19	A2716175X	Electricity, gas, water and waste services (D) ;
20	A2716179J	Construction (E) ;
21	A2716180T	Wholesale trade (F) ;
22	A2716181V	Retail trade (G) ;
23	A2716182W	Accommodation and food services (H) ;
24	A3348488L	Transport, postal and warehousing (I) ; Road ;
25	A2716184A	Transport, postal and warehousing (I) ; Air and space transport ;
26	A3348489R	Transport, postal and warehousing (I) ; Rail, pipeline and other transport ;
27	A2716187J	Transport, postal and warehousing (I) ; Transport, postal and storage services ;
28	A2716183X	Transport, postal and warehousing (I) ;
29	A2716188K	Information media and telecommunications (J) ;
30	A2716189L	Financial and insurance services (K) ;
31	A2716190W	Rental, hiring and real estate services (L) ;
32	A2716191X	Professional, scientific and technical services (M) ;
33	A2716585R	Administrative and support services (N) ;
34	A2716192A	Public administration and safety (O) ;
35	A2716193C	Education and training (P) ;
36	A2716194F	Health care and social assistance (Q) ;
37	A2716195J	Arts and recreation services (R) ;
38	A2716196K	Other services (S) ;
39	A2529209F	Ownership of dwellings ;
40	A2303469X	Gross value added at basic prices ;
41	A2323353V	Taxes less subsidies on products ;
42	A2303471K	Statistical discrepancy (P) ;
43	A2304402X	GROSS DOMESTIC PRODUCT ;

12. **Data Sources:** The primary data source is the ABS publication *Australian National Accounts: National Income, Expenditure and Product* (cat. no. 5206.0). Deep-history vintages (before the 2005Q4 vintage) are obtained directly from ABS personnel. See Table 2 for details.

*Table 4: Sources of Data Series*

Publication Date	Reference	Format	Source
2001Q4 – 2005Q3	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	PDF	Online
	<i>Australian National Accounts, 2001-2005 workbooks.</i>	Excel workbook	ABS House, Canberra
2005Q4 – 2006Q2	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	Lotus 123	Online
2006Q3 – 2009Q3	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0); Table 6: Gross Value Added by Industry, Chain volume measures;	Excel workbook	Online
2009Q4 – present	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0); Table 6: Gross Value Added by Industry, Chain volume measures;	Excel workbook	Online

**Special notes:**

1. **2001Q4 – First included seasonally adjusted Industry Gross Value Added series.** Chain volume measure with reference year 1999-00.
2. **2001Q4 to 2002Q2 - Reference year is 1999-00.**
3. **2002Q3 to 2003Q2 – Reference year is 2000-01.**
4. **2003Q3 to 2004Q2 – Reference year is 2001-02.**
5. **2003Q4 – Changes to titles and elements in the table.** The item ‘Transport and Storage (I): Water’ is absorbed into the category ‘Transport and Storage (I): Transport Services and Storage’.
6. **2003Q3 to 2005Q2 – Reference year is 2002-03.**
7. **2005Q3 to 2006Q2 – Reference year is 2003-04.**
8. **2006Q3 – First release with series IDs.**
9. **2006Q3 to 2007Q3 – Reference year is 2004-05.**
10. **2007Q4 to 2008Q3 – Reference year is 2005-06.**
11. **2008Q4 to 2009Q3 – Reference year is 2006-07.**
12. **2009Q4 – Implementation of new international standards and changes to series IDs, title and elements in the table.** Changes include adaptation to the emergence of 'new economic' activities, an introduction of a new industry division, 'Information Media and Telecommunications' and the splitting of 'Property and Business Services' division to its component parts<sup>39</sup>.
13. **2009Q4 to 2010Q3 – Reference year is 2007-08.**
14. **2010Q4 to ... – Reference year is 2008-09.**

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<sup>39</sup> Source: *Information paper: Product changes to National Income, Expenditure and Product following revisions to international standards* (cat. no. 5206.0.55.002), 2009

**CHANGES IN INVENTORIES, Chain Volume Measures, Original**

1. **Definition (as of June 2011)**<sup>40</sup>: Quarterly observations of increases in the book value of inventories adjusted by the inventory valuation adjustments and disaggregated by broad industry sector.
2. **Vintage Date**: The vintage date reflects the quarter in which the publication is released.
3. **Reference Date**: The reference date refers to the date to which the observation is referring to.
4. **First Quarterly Table**: 2001Q4 containing variables dating back to 1959Q3, although not for all industry sectors.
5. **Earliest Observation**: Historical series available dating back to 1959Q3, although not for all vintages.
6. **Seasonality**: Not seasonally adjusted.
7. **Unit of Observations**: Millions of dollars.
8. **Base Prices of Observations**: Measures are collected using the chain volume method with reference year changes approximately every three to five quarters.
9. **Quarterly Table Names**: yyyyQq, where yyyy is the year of the vintage, Q refers to Quarter and q the number of the vintage quarter. Both reflect the publication date of the table. For example, table 2003Q2 indicates that this table was publicly available in the June quarter of 2003.
10. **Publication Delay**: The quarterly vintages are obtained from the issue released in the last month of any quarter (typically in the first week of the month). The data in these vintages relate to the observation of the respective series in the previous quarter. For example, data for the first quarter is available in the issue released in the first week of June. Therefore, there is a one quarter delay in the release of data.

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<sup>40</sup> Source: *Australian System of National Accounts* (cat. no. 5204.0), 2009-10.

*Table 1: Publication Delay*

First Observation of	Reference Date in ABS Publication	ABS Publication Date	Vintage Date
Q1	March	First week in June	Q2
Q2	June	First week in September	Q3
Q3	September	First week in December	Q4
Q4	December	First week in March	Q1

11. **Items Included in the Tables and their series ID's:** The series ID's were first published in the 2006Q3 vintage and hence the following tables refer to vintages from 2006Q3 onwards.

*Table 2: Series ID's Up to and including the 2009Q3 vintage*

No.	Series ID's	Item Description
1	A2302255X	Private ; Manufacturing (C) ; Chain volume measures ;
2	A2302256A	Private ; Wholesale trade (F) ; Chain volume measures ;
3	A2302257C	Private ; Retail trade (G) ; Chain volume measures ;
4	A2302258F	Private ; Non-farm ; Other non-farm industries: Chain volume measures ;
5	A2302515J	Private ; Non-farm ; Chain volume measures ;
6	A2302516K	Farm ; Chain volume measures ;
7	A2302517L	Public authorities ; Chain volume measures ;
8	A2302518R	CHANGES IN INVENTORIES: Chain volume measures ;
9	A2302259J	Selected marketing authorities: Chain volume measures ;

*Table 3: Series ID's for vintages from 2009Q4 onwards*

No.	Series ID's	Item Description
1	A3348502W	Private ; Manufacturing (C) ; Chain volume measures ;
2	A3348503X	Private ; Wholesale trade (F) ; Chain volume measures ;
3	A3348504A	Private ; Retail trade (G) ; Chain volume measures ;
4	A2302258F	Private ; Non-farm ; Other non-farm industries: Chain volume measures ;
5	A2302515J	Private ; Non-farm ; Chain volume measures ;
6	A2302516K	Farm ; Chain volume measures ;
7	A2302517L	Public authorities ; Chain volume measures ;
8	A2302518R	CHANGES IN INVENTORIES: Chain volume measures ;

12. **Data Sources:** The primary data source is the ABS publication: *Australian National Accounts: National Income, Expenditure and Product* (cat. no. 5206.0). Deep-history vintages (before the 2005Q4 vintage) are obtained directly from ABS personnel. See Table 2 for details.

*Table 2: Sources of Data Series*

Publication Date	Reference	Format	Source
2001Q4 – 2005Q3	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	PDF	Online
	<i>Australian National Accounts, 2001-2005 workbooks.</i>	Excel work-book	ABS House, Canberra
2005Q4 – 2006Q2	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	Lotus 123	Online
2006Q3 – 2009Q3	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0); Table 9: Changes in Inventories.	Excel work-book	Online
2009Q4 – present	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0); Table 9: Changes in Inventories.	Excel work-book	Online



**Special notes:**

1. **2001Q4 – First included not seasonally adjusted Changes in Inventories, Chain Volume Measures series.** Chain volume measure with reference year 1999-00.
2. **2001Q4 to 2002Q2 – Reference year is 1999-00.**
3. **2002Q3 to 2003Q2 – Reference year is 2000-01.**
4. **2003Q3 to 2004Q2 – Reference year is 2001-02.**
5. **2003Q3 to 2005Q2 – Reference year is 2002-03.**
6. **2005Q3 to 2006Q2 – Reference year is 2003-04.**
7. **2006Q3 – First release with Series IDs.**
8. **2006Q3 to 2007Q3 – Reference year is 2004-05.**
9. **2007Q4 to 2008Q3 – Reference year is 2005-06.**
10. **2008Q4 to 2009Q3 – Reference year is 2006-07.**
11. **2009Q4 – Implementation of new international standards and changes to series IDs, title and elements in the table.** The item ‘Selected Marketing Authorities’ is no longer reported.
12. **2009Q4 to 2010Q3 – Reference year is 2007-08.**
13. **2010Q4 to ... – Reference year is 2008-09.**

**CHANGES IN INVENTORIES, Current Prices, Original**

1. **Definition (as of June 2011)**<sup>41</sup>: Quarterly observations of increases in the book value of inventories adjusted by the inventory valuation adjustments and disaggregated by broad industry sector.
2. **Vintage Date**: The vintage date reflects the quarter in which the publication is released.
3. **Reference Date**: The reference date refers to the date to which the observation is referring to.
4. **First Quarterly Table**: 2001Q4 containing variables dating back to 1959Q3, although not for all industry sectors.
5. **Earliest Observation**: Historical series available dating back to 1959Q3, although not for all vintages.
6. **Seasonality**: Not seasonally adjusted.
7. **Unit of Observations**: Millions of dollars.
8. **Base Prices of Observations**: Current prices measures.
9. **Quarterly Table Names**: yyyyQq, where yyyy is the year of the vintage, Q refers to Quarter and q the number of the vintage quarter. Both reflect the publication date of the table. For example, table 2003Q2 indicates that this table was publicly available in the June quarter of 2003.
10. **Publication Delay**: The quarterly vintages are obtained from the issue released in the last month of any quarter (typically in the first week of the month). The data in these vintages relate to the observation of the respective series in the previous quarter. For example, data for the first quarter is available in the issue released in the first week of June. Therefore, there is a one quarter delay in the release of data.

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<sup>41</sup> Source: *Australian System of National Accounts* (cat. no. 5204.0), 2009-10.

*Table 1: Publication Delay*

First Observation of	Reference Date in ABS Publication	ABS Publication Date	Vintage Date
Q1	March	First week in June	Q2
Q2	June	First week in September	Q3
Q3	September	First week in December	Q4
Q4	December	First week in March	Q1

11. **Items Included in the Tables and their series ID's:** The series ID's were first published in the 2006Q3 vintage and hence the following tables refer to vintages from 2006Q3 onwards.

*Table 2: Series ID's Up to and including the 2009Q3 vintage*

No.	Series ID's	Item Description
1	A2302270W	Private ; Manufacturing (C) ; Current prices ;
2	A2302271X	Private ; Wholesale trade (F) ; Current prices ;
3	A2302272A	Private ; Retail trade (G) ; Current prices ;
4	A2302273C	Private ; Non-farm ; Other non-farm industries: Current prices ;
5	A2302559K	Private ; Non-farm ; Current prices ;
6	A2302560V	Farm ; Current prices ;
7	A2302561W	Public authorities ; Current prices ;
8	A2302562X	CHANGES IN INVENTORIES: Current prices ;
9	A2302274F	Selected marketing authorities: Current prices ;

*Table 3: Series ID's for vintages from 2009Q4 onwards*

No.	Series ID's	Item Description
1	A3348511X	Private ; Manufacturing (C) ; Current prices ;
2	A3348512A	Private ; Wholesale trade (F) ; Current prices ;
3	A3348513C	Private ; Retail trade (G) ; Current prices ;
4	A2302273C	Private ; Non-farm ; Other non-farm industries: Current prices ;
5	A2302559K	Private ; Non-farm ; Current prices ;
6	A2302560V	Farm ; Current prices ;
7	A2302561W	Public authorities ; Current prices ;
	A2302562X	CHANGES IN INVENTORIES: Current prices ;

12. **Data Sources:** The primary data source is the ABS publication *Australian National Accounts: National Income, Expenditure and Product* (cat. no.

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5206.0). Deep-history vintages (before the 2005Q4 vintage) are obtained directly from ABS personnel. See Table 2 for details.

*Table 2: Sources of Data Series*

Publication Date	Reference	Format	Source
2001Q4 – 2005Q3	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	PDF	Online
	<i>Australian National Accounts, 2001-2005 workbooks.</i>	Excel workbook	ABS House, Canberra
2005Q4 – 2006Q2	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0)	Lotus 123	Online
2006Q3 – 2009Q3	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0); Table 9: Changes in Inventories; Series ID's: A2302270W, A2302271X, A2302272A, A2302273C, A2302559K, A2302560V, A2302561W, A2302562X, A2302274F.	Excel workbook	Online
2009Q4 – present	<i>Australian National Accounts, National Income, Expenditure and Product</i> (cat. no. 5206.0); Table 9: Changes in Inventories; Series ID's: A3348511X, A3348512A, A3348513C, A2302273C, A2302559K, A2302560V, A2302561W, A2302562X.	Excel workbook	Online

**Special notes:**

1. **2001Q4 – First included not seasonally adjusted Changes in Inventories, Current Prices series.** Chain volume measure with reference year 1999-00.
2. **2001Q4 to 2002Q2 – Reference year is 1999-00.**
3. **2002Q3 to 2003Q2 – Reference year is 2000-01.**
4. **2003Q3 to 2004Q2 – Reference year is 2001-02.**
5. **2003Q3 to 2005Q2 – Reference year is 2002-03.**
6. **2005Q3 to 2006Q2 – Reference year is 2003-04.**
7. **2006Q3 – First release with Series I.D.’s.**
8. **2006Q3 to 2007Q3 – Reference year is 2004-05.**
9. **2007Q4 to 2008Q3 – Reference year is 2005-06.**
10. **2008Q4 to 2009Q3 – Reference year is 2006-07.**
11. **2009Q4 – Implementation of new international standards and changes to series IDs, title and elements in the table.** The item ‘Selected Marketing Authorities’ is no longer reported.
12. **2009Q4 to 2010Q3 – Reference year is 2007-08.**
13. **2010Q4 to ... – Reference year is 2008-09.**