

## A Industry sector classification

The Australian study draws on data from the Australian National Accounts, the (Australian) Business Longitudinal Survey (BLS) and the (Australian) Business Use of Information Technology Survey (BUI). The sectoral coverage adopted in each collection is based on the Australian and New Zealand Standard Industry Classification (ANZSIC, ABS Cat. no. 1292.0). This appendix outline the details of industry classification.

### A.1 Industry sectoring

The industry divisions of the ANZSIC are listed in the table below together with the industry coverage of the key survey-based data sources referred to in this study.

Table A.1 Industry divisions

ANZSIC divisions	National Accounts market sector	Business Use of Information Technology Survey	Business Longitudinal Survey	
			Covered	Included in regression analyses
A Agriculture, forestry & fishing	√			
B Mining	√	√	√	
C Manufacturing	√	√	√	√
D Electricity, gas & water supply	√	√		
E Construction	√	√	√	√
F Wholesale trade	√	√	√	√
G Retail trade	√	√	√	√
H Accommodation, cafes & restaurants	√	√	√	√
I Transport & storage	√	√	√	√
J Communications services	√	√		
K Finance & insurance	√	√	√	
L Property & business services		√	√	√
M Government administration & defence				
N Education				
O Health & community services		√		
P Cultural & recreational services	√	√	(partial)	√
Q Personal & other services		√	(partial)	

Sources: ABS (ANZSIC 1993, Cat. no. 1292.0); ABS (Australian National Accounts, Concepts Sources and Methods, Cat. no. 5216.0); ABS (Business Use of Information Technology 2000-01, Cat. no. 8129.0); ABS (Business Longitudinal Survey, Confidentialised Unit Record File, 1994-95 to 1997-98, Cat. no. 8141.0.30.001).

The statistical unit for which data are collected and made available is termed the *management unit*. The ABS defines the management unit as the highest level accounting unit within a business, having regard to homogeneity of activities, for which detailed accounts are maintained. In most cases, it coincides with the legal entity owning the business (that is, company, partnership etc). In the case of larger diversified businesses, there may be more than one management unit, each coinciding with a division or 'line of business'. For larger businesses, a management unit may coincide with one legal entity, a part of a legal entity, or combination of legal entities (or parts thereof) under common ownership or control.

As indicated in the table, the coverage of activities varies between series.

In particular, the national accounts 'market sector' is defined to include those industry divisions for which independent measures of outputs and inputs are available. The lack of an independent measure of output makes it impractical to disaggregate output growth of non-market sector activities into capital, labour and productivity components.

The Business Longitudinal Survey (BLS) covers all businesses except:

- 'non-employing' businesses;
- units classified to the general government institutional sector (although Public Trading Enterprises were included); and
- units classified to the ANZSIC industries:
  - Agriculture, forestry & fishing (division A);
  - Electricity, gas & water supply (division D);
  - Communications services (division J);
  - Government administration & defence (division M);
  - Education (division N)
  - Health & community services (division O);
  - Libraries, museums and parks and gardens (groups 921, 922 and 923 from division P); and
  - Other services and Private households employing staff (subdivisions 96, 97 from division Q).

The Business Use of Information Technology Survey (BUIIT) covers all businesses in Australia, except:

- 'non-employing' businesses.
- units classified to the general government institutional sector (although Public Trading Enterprises are included); and
- units classified to ANZSIC industries:
  - Agriculture, forestry & fishing (division A); and
  - Education (division N).

While the industry coverage of analyses in this study in generally conform to the coverage of basic data series, the regression analyses based on BLS data and presented in chapter 3 and 4 do not include results for the mining or Finance & insurance sectors because of the 'lumpiness' of changes in a small number of large firms that comprise the Mining sector and the lack of information to define firm value added in the Finance & insurance sector. The coverage of firms in BLS is provided in next section.

## A.2 Details of BLS sectors

The activity coverage of BLS sectors is detailed in table A.2.

**Table A.2 Industry details of BLS sectors**

<i>ANZSIC divisions</i>		<i>Details of sub sectors</i>
C Manufacturing	21	Food, Beverage and Tobacco Manufacturing
	22	Textile, Clothing, Footwear and Leather Manufacturing
	23	Wood and Paper Product Manufacturing
	24	Printing, Publishing and Recorded Media
	25	Petroleum, Coal, Chemical and Associated Product Manufacturing
	26	Non-Metallic Mineral Product Manufacturing
	27	Metal Product Manufacturing
	28	Machinery and Equipment Manufacturing
	29	Other Manufacturing
E Construction	41	General Construction
	42	Construction Trade Services
F Wholesale Trade	45	Basic Material Wholesaling
	46	Machinery and Motor Vehicle Wholesaling
	47	Personal and Household Good Wholesaling
G Retail Trade	51	Food Retailing
	52	Personal and Household Good Retailing
	52	Motor Vehicle Retailing and Services
H Accom., Cafes & Restaurants	571	Accommodation
	572	Pubs, Taverns and Bars
	573	Cafes and Restaurants
	574	Clubs (Hospitality)
I Transport and Storage	61	Road Transport
	62	Rail Transport
	63	Water Transport
	64	Air and Space Transport
	65	Other Transport
	66	Services to Transport
	67	Storage
L Property and Business Services	77	<i>Property Services</i>
	771	Property Operators and Developers
	772	Real Estate Agents
	773	Non-Financial Asset Investors
	774	Machinery and Equipment Hiring and Leasing
	78	<i>Business Services</i>
	781	Scientific Research
	782	Technical Services
	783	Computer Services
	784	Legal and Accounting Services
785	Marketing and Business Management Services	
786	Other Business Services	

(continued on next page)

Table A.2 (continued)

<i>ANZSIC divisions</i>		<i>Details of sub sectors</i>
P Cultural and Recreational Services	91	<i>Motion Picture, Radio and Television Services</i>
	911	Film and Video Services
	912	Radio and Television Services
	92	<i>Libraries, Museums and the Arts</i> <sup>a</sup>
	924	Arts
	925	Services to the Arts
	93	<i>Sport and Recreation</i>
	931	Sport
	932	Gambling Services
	933	Other Recreation Services

<sup>a</sup> Libraries, museums and parks and gardens were not covered in BLS. See text.

Sources: ABS (ANZSIC 1993, Cat. no. 1292.0); ABS (Business Longitudinal Survey, Confidentialised Unit Record File, 1994-95 to 1997-98, Cat. no. 8141.0.30.001).