

# Information Paper

Survey of Education and Work, Australia, 2001

Confidentialised Unit Record File (CURF) on CD-ROM

(ABS Catalogue no. 6227.0.30.001)

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# AUSTRALIAN BUREAU OF STATISTICS

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Produced by the Australian Bureau of Statistics

# **INQUIRIES**

For further information about these and related statistics, contact the National Centre for Education and Training Statistics on 02 6252 7934.

For further information about ABS statistics and services, contact the National Information Service on 1300 135 070.

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#### **ABBREVIATIONS**

ABS Australian Bureau of Statistics

ABSCQ Australian Bureau of Statistics Classification of Qualifications
ANZSIC Australian and New Zealand Standard Industrial Classification

ASCED Australian Standard Classification of Education

CURF Confidentialised Unit Record File

n.f.d. not further defined

SEW Survey of Education and Work
TAFE Technical and Further Education

### **OVERVIEW**

#### INTRODUCTION

This Information Paper provides full details about the release of microdata from the 2001 Survey of Education and Work (SEW). The data will be released as a Confidentialised Unit Record File (CURF) on CD-ROM, with the approval of the Australian Statistician.

A full list of items and associated populations can be found on the CD ROM as Appendices 1 and 2.

The CURF will enable purchasers to tabulate, manipulate and analyse data to their own specifications.

More detailed information to assist in using the CURF, and in interpreting the data, is provided in the documentation on or accompanying the file, or otherwise through the ABS Website.

#### ABOUT THE SURVEY

The SEW was conducted throughout Australia in May 2001 as a supplement to the monthly Labour Force Survey (LFS). Respondents to the LFS who fell within the scope of the supplementary survey were asked further questions.

Information collected included socio-demographic characteristics (such as age, sex and birthplace), employment characteristics (such as labour force status, occupation and industry), educational qualifications obtained (such as level and field of qualification), whether attended an educational institution and type of attendance in 2000, and whether attending an educational institution and type of attendance in May 2001.

Estimates from the survey, as well as more information on the survey sample, conceptual framework, definitions and methodology, explanatory notes and glossary, were published in **Education and Work, Australia, 2001** (cat. no. 6227.0). This publication is on the CD-ROM as an Acrobat file 62270 2001.PDF.

#### **SCOPE**

The scope of this survey was persons aged 15-64 years, excluding the following:

- members of the permanent defence forces
- certain diplomatic personnel of overseas governments, customarily excluded from census and estimated populations
- overseas residents in Australia
- members of non-Australian defence forces (and their dependants)
- persons permanently unable to work
- institutionalised persons (e.g. patients in hospitals; residents of homes retirement homes, homes for persons with disabilities; and inmates of prisons).

Students at boarding schools were in scope for this survey. The 2001 survey yielded an estimate of 19,200 boarding school pupils aged 15 years or more. The only other information collected on these persons was sex and age.

The survey was conducted in both urban and rural areas in all states and territories. However, people living in remote and sparsely settled parts of Australia were excluded. The exclusion of these people will only have a minor impact on any aggregate estimates that are produced for individual states and territories, with the exception of the Northern Territory where such people account for over 20% of the population.

#### DATA COLLECTION METHODOLOGY

Information was collected via face-to-face or telephone interviews conducted by trained interviewers who asked members of each household, or a responsible adult answering on behalf of other household members, detailed questions about their educational attainment and recent participation in education.

#### ABOUT THE MICRODATA

The data will be released under the **Census and Statistics Act 1905**, which has provision for the release of data in the form of unit records where the information is not likely to enable the identification of a particular person or organisation. Accordingly, there are no names or addresses of survey respondents on the CURF and some other steps have been taken to protect confidentiality, such as not including all data items that were collected and suppressing the detail of some other data items.

The SEW 2001 CURF contains 44,137 confidentialised respondent records from the survey and approximately 300 records where the field of education details were amended due to confidentiality reasons. A list of the data items, including a range of predefined populations to assist in analysing data in the CURF, is provided in Appendices 1 and 2.

Subject to the limitations of sample size and the data classifications used, it is possible to manipulate the data, produce tabulations and undertake statistical analyses to individual specifications.

#### **Estimation**

As the survey was conducted on a sample of all households in Australia, it is important to take account of the method of sample selection when deriving estimates from the CURF. This is particularly important as a person's chance of selection in the survey varied depending on the state or territory or, in some cases, area of state or territory in which they lived.

One of the fields on the CURF contains a 'weight' for each person in the sample. This 'weight' reflects a person's probability of selection in the sample and the estimation procedure used.

Where estimates are derived from the CURF, it is essential that they be calculated by adding the weights of persons in each category and not just by counting the number falling into each category. If each person's 'weight' were to be ignored, then no account would be taken of the fact that a person's chance of being selected in the survey varied from region to region, and the resulting estimates would therefore be seriously biased.

The application of weights will ensure that the subsequent estimates conform to an independently estimated distribution of the population by age and sex, rather than to the age and sex distribution within the sample itself.

Due to differences in scope and sample size between this supplementary survey and the LFS, the estimation procedure may lead to some small variations between labour force estimates from this survey and those from the Labour Force Surveys conducted during April to August 2001.

For further information see the Explanatory Notes in the publication **Education and Work, Australia 2001** (cat. no. 6227.0). This publication is on the CD-ROM as an Acrobat file 62270 2001.PDF.

#### Sampling error

Since all estimates on the CURF are based on a sample survey, any statistics produced from the CURF will be subject to sampling error. Sampling error is the difference between an estimate and the value that would have been produced if all dwellings in scope of the survey had been included. Tables of standard errors (which are a measure of sampling error) are provided in the Technical Notes of the publication **Education and Work, Australia 2001** (cat. no. 6227.0).

#### Seasonal factors

The estimates are based on information collected over the reference period, and due to seasonal effects they may not be representative of other time periods in the year.

#### **ABOUT THE FILES**

The CD-ROM contains both SAS and SPSS versions of the SEW dataset. If your analysis software is neither SAS nor SPSS, you may require the services of a computer programmer to re-format the data. Full details of the files on the CD-ROM are given in Appendix 3.

Four types of files relating to SEW 2001 data are provided on the CD-ROM:

- Data and metadata an ASCII data file holding 44,137 records, and metadata files that document
  the data file and every data item on that file. The metadata are provided in plain text file, for
  reading;
- SAS user files including a SAS version of the dataset, and the SAS programs that generated the SAS-formatted version;
- SPSS user files including an SPSS version of the dataset and the SAS programs that generated the SPSS-formatted version; and
- Information files including several in Adobe Acrobat format.

#### **ORDERING TABLES**

Access to the full detail from the survey (including data items deleted from the CURF) is only available through tables produced by the ABS. Requirements for these tables should be discussed with the National Centre for Education and Training Statistics on 02 6252 7934.

#### CONDITIONS OF RELEASE

#### Release of CURF

The SEW CURF is released in accordance with a Ministerial Determination (Clause 7, **Statutory Rules 1983, No.19**) in pursuance of section 13 of the **Census and Statistics Act 1905**. As required by the Determination, the information contained in the CURF can only be disclosed in a manner that is not likely to enable the identification of the particular person or organisation to which it relates.

All organisations and individuals within organisations who request access to the CURF will, prior to being granted access to the CURF, be required to sign an Undertaking to abide by the legislative restrictions on use. The Australian Statistician's approval is required for each release of the CURF. Organisations and individuals who seek access to the SEW CURF are required to give an undertaking, which includes among other conditions, that in using the data they will:

- use the information only for statistical purposes;
- not attempt to identify particular persons or organisations;
- not disclose, either directly or indirectly, the information to any other person or organisation; and
- not attempt to match the information with any other unit level list of persons.

Statistical purposes means use of the information contained in the CURF to produce information of a statistical nature, i.e. the arrangement and classification of numerical facts or data, including statistical analyses or statistical aggregates. Examples of such uses are:

- manipulation of the data to produce means, correlations or other descriptive or summary measures;
- estimation of population characteristics;
- use of data as input to mathematical models or for other types of analysis (e.g. factor analysis); and
- providing graphical or pictorial representations of the characteristics of the population or subsets of the population.

All CURF users are required to read and abide by the "Responsible Access to ABS Confidentialised Unit Record Files (CURFs) Training Manual" available on the ABS Website, Access to ABS CURFs. Use of the data for unauthorised purposes may render the user liable to severe penalties. Advice about the propriety of any particular intended use of the data is available from the CURF Management Unit of the ABS at intermediary.management@abs.gov.au.

#### **Conditions of sale**

All ABS products and services are provided subject to the ABS conditions of sale. Any queries relating to these Conditions of Sale should be referred to <a href="mailto:intermediary.management@abs.gov.au">intermediary.management@abs.gov.au</a>

#### PRICE

The price of the 2001 SEW CURF on CD-ROM as at July 2003 is \$8,000, including freight and handling charges.

While the utmost care is taken in handling each CURF on CD ROM, deterioration may occur between the time of copying and receipt of the file. Accordingly, if the CD-ROM is unreadable on receipt and this is reported to the ABS within 30 days of receipt, it will be replaced free of charge.

#### **HOW TO ORDER**

Clients wishing to access the SEW CURF should refer to the ABS Website, Access to ABS CURFs, and read the Responsible Access to ABS Confidentialised Unit Record Files (CURFs) Training Manual and other relevant information, before downloading the Application and Undertaking to apply for access.

#### Australian universities

University customers should refer to the ABS web site (under 'Services to Universities"). The SEW CURF can be accessed by universities participating in the ABS/AVCC CURF agreement for research and teaching purposes.

#### Other Australian clients

Other prospective clients should contact the CURF Management Unit of the ABS at intermediary.management@abs.gov.au

The CURF is not available to overseas customers.

#### **SECONDARY PROVIDERS**

The term 'secondary provider' applies to any person or organisation that obtains data from the ABS and then disseminates products to a third party where the major component of such products is statistical data obtained from the ABS. Persons or organisations preparing consultancy or research reports that rely on ABS data are not usually regarded as secondary providers where research and analysis are the major components of the reports.

Purchasers likely to be providing data from the CURF to others should contact the CURF Management Unit of the ABS at intermediary.management@abs.gov.au to discuss the intended use.

# **APPENDIX 1: POPULATIONS**

Description	SAS Name	Description	SAS Name
Population 1 Persons aged 15-64 years	ALL PERSONS IN SCOPE	Population 9 Persons aged 15-24 years who	ASPYNSCY
1 crsons aged 13-04 years	SCOLE	attended school in previous year	
		but were not attending school in	
		current year	
Population 2	ATSTPYR	Population 10	APPRENTC
Persons aged 15-64 years who		Employed persons aged 15-54	
attended an educational		years who were apprentices in	
institution in previous year	2011 - 2011	current year	
Population 3	PSNATSCH	Population 11	NPYRQUAL
Persons aged 15-64 years who		Persons aged 15-64 years who were not enrolled for an	
attended school in previous year		educational qualification in	
		previous year but who were	
		enrolled for an educational	
		qualification in current year	
Population 4	ATTSTPYR	Population 12	NCYRQUAL
Persons aged 15-64 years who		Persons aged 15-64 years who	,
attended a tertiary institution in		were enrolled for an educational	
previous year		qualification in previous year but	
		who were not enrolled for an	
		educational qualification in	
B 14: 5	LVDCAFTC	current year	DVDOLLAT
Population 5 Leavers from full-time	LVRSAFTS	Population 13 Persons aged 15-64 years who	PYRQUAL
education (aged 15-64 years) in		were enrolled for a qualification	
current year		in previous year	
Population 6	ATSMAY	Population 14	CYRQUAL
Persons aged 15-64 years		Persons aged 15-64 years who	
attending an educational		were enrolled for a qualification	
institution in current year		in current year	
Population 7	ATTSMAY	Population 15	EMPTEWWT
Persons aged 15-64 years		Employed persons aged 15-64	
attending a tertiary institution in		years	
current year	Par Brackio	D. L.	I D IDWDIXIX
Population 8	PSNNSCHQ	Population 16	UNETEWWT
Persons aged 15-64 years who		Unemployed persons aged 15-64	
have a non-school qualification		years	

Description	Classification	SAS Name	Population
Random identifier	Classification	RANDOMID	ALL
Weight		FNLWT	ALL
Sex	Male	SEX	ALL
Sen	Female	JE11	
Age	Single years 15-24	AGECURF	ALL
8	25-29		
	30-34		
	35-39		
	40-44		
	45-49		
	50-54		
	55-59		
	60-64		
Marital status	Married	MARSTAT	ALL
	Not married		
Relationship in	Husband, wife or partner with dependants	RELINHH	ALL
household	Husband, wife or partner without dependants		
	Lone parent with or without dependants		
	Dependent student		
	Non-dependent child		
	Other family person		
	Lone person		
	Not living alone		
Ct. t T	Not determined	COLCTATE	ATT
State or Territory of usual residence	New South Wales	COLSTATE	ALL
usuai residence	Victoria Queensland		
	South Australia		
	Western Australia		
	Tasmania, Northern Territory and Australian		
	Capital Territory		
Area of usual residence	Capital city	AREAUR	ALL
	Balance of state/territory	111111111111111111111111111111111111111	
Country of birth	Boarding school pupils	COBPLACE	ALL
0.0000000000000000000000000000000000000	Born in Australia		
	Born overseas in main English-speaking countries		
	Born overseas in other countries		
Period of Arrival	Born in Australia	PRDARRVL	ALL
	Arrived before 1971		
	Arrived 1971-1980		
	Arrived 1981-1990		
	Arrived 1991-2001		
Labour force status	Employed full-time workers	LFSFPTC	1-9, 11-
	Employed part-time workers		14
	Unemployed looking for full-time work		
	Unemployed looking for part-time work		
	Not in labour force		
	1	1	i i

10

Labour force status of	Not applicable (non-leavers)	LFSSCHLV	5
leavers at current year	Leavers from full-time tertiary study, employed	EI SSCIIL V	
leavers at earrent year	Leavers from full-time tertiary study, not		
	employed		
	Leavers from full-time school study, employed		
	Leavers from full-time school study, not		
	employed		
Status in employment	Not employed	SWORKER	15
in current job	Wage or salary earner	SWORKLK	13
in current job	Other		
Occupation	Not applicable	TEWOCC	15
Occupation	Managers and administrators	TEWOCC	13
	Professionals		
	Associate professionals		
	Tradespersons and related workers Advanced clerical and service workers		
	Intermediate clerical, sales and service workers		
	Intermediate production and transport workers		
	Elementary clerical, sales and service workers		
0 1 01 011	Labourers and related workers	TEXT OF CAL	1.0
Occupation of last full-		TEWOCCL	16
time job	Managers and administrators		
	Professionals		
	Associate professionals		
	Tradespersons and related workers		
	Advanced clerical and service workers		
	Intermediate clerical, sales and service workers		
	Intermediate production and transport workers		
	Elementary clerical, sales and service workers		
	Labourers and related workers		
	Last full-time job two years or more ago		
	Never had a full-time job		
Industry	Not applicable	TEWIND	15
	Agriculture, forestry and fishing		
	Mining		
	Manufacturing		
	Electricity, gas and water supply		
	Construction		
	Wholesale trade		
	Retail trade		
	Accommodation, cafes and restaurants		
	Transport and storage		
	Communication services		
	Finance and insurance		
	Property and business services		
	Government administration and defence		
	Education		
	Health and community services		
	Cultural and recreational services		
	Personal and other services		

Duration of	Not applicable	WKSUNEMP	16
unemployment	Under 4 weeks	WKSUNEWIF	10
unemployment	4 and under 8 weeks		
	8 and under 13 weeks		
	13 and under 26 weeks		
	26 and under 52 weeks		
	52 and under 104 weeks		
	104 weeks and over		
Whether attended an	School	TYPEDATP	1
educational institution,	Higher education full-time	TILDAII	1
type of institution and	Higher education part-time		
type of attendance in	TAFE full-time		
previous year	TAFE part-time		
previous year	Other		
	Did not attend in previous year		
Whether attended an	Not applicable	LVLSTPY	1, 2-3, 6-8, 14
educational institution	Post-graduate degree	LVLSIII	1, 2-3, 0-6, 14
and level of education	Graduate diploma / Graduate certificate		
of study in previous	Bachelor degree		
year (ASCED)	Advanced diploma / Diploma		
year (ASCED)	Certificate III / IV		
	Certificate I / II		
	Certificate n.f.d		
	Year 12		
	Year 11		
	Year 10 or below		
	Level not determined		
	Boarding school pupils		
	Study not leading to a qualification		
	Did not attend in previous year		
Whether attended an	Not applicable	EDULVLPY	1, 6-8, 14
educational institution	Higher degree	EDULVEFI	1, 0-6, 14
and level of education	Postgraduate diploma		
of study in previous	Bachelor degree		
year (ABSCQ)	Undergraduate diploma		
year (ADSCQ)	Associate diploma		
	Skilled vocational course		
	Basic vocational course		
	Secondary school course		
	Level not determined		
	Study not for a qualification		
	Did not study in previous year		
	Did not study in previous year		
	1		

Main field of advection	Natural and physical sciences	MSTDYPY	2, 4-5, 12-13
of study in previous	Information technology	MISTOTET	2, 4-3, 12-13
year (ASCED)	Engineering and related technologies		
year (ASCED)	Architecture and building		
	Agriculture, environmental and related studies		
	Health		
	Education		
	Management and commerce		
	Society and culture		
	Creative arts		
	Food, hospitality and personal services Mixed field programmes		
	Field not determined		
Main Cald of studenin		MECTDADA	1
Main field of study in	Business administration	MFSTDYPY	4
previous year	Health		
(ABSCQ)	Education		
	Society and culture		
	Natural and physical science		
	Engineering		
	Architecture and building		
	Agriculture and related fields Miscellaneous fields		
Ct t C	Field not determined	OT OD OF DV	2 4 12
Status of course of	Not applicable	STCRSEPY	2, 4, 13
study undertaken in	Completed qualification studied for in previous		
previous year	year, highest obtained		
	Completed qualification studied for in previous		
	year, not highest obtained		
	Had not completed qualification, studying at a		
	tertiary institution in current year		
	Had not completed qualification, not studying at a		
XX71 .1 1 1	tertiary institution in current year	E A DV/ A CV/	5
Whether attended an	Not applicable	EAPYACY	5
educational institution	Attended school full-time in previous year,		
and type of attendance	attending part-time in current year		
in previous year,	Attended school full-time in previous year, but		
	not attending in current year		
	Attended tertiary full-time in previous year,		
in current year	attending part-time in current year		
	Attended tertiary full-time in previous year, but		
Whatharattandin	not attending in current year School	TVDEDATO	1
Whether attending an educational institution,	Higher education full-time	TYPEDATC	1
7	Higher education part-time		
type of institution and	TAFE full-time		
type of attendance in			
current year	TAFE part-time Other		
	Not attending in previous year		
	rvot attending in previous year		+

Level of study in	Postgraduate degree	LVLSTCY	1-7, 9-16
		LVLSICI	1-7, 9-10
current year (ASCED)	Graduate diploma / Graduate certificate		
	Bachelor degree		
	Advanced diploma / Diploma Certificate III / IV		
	Certificate I / II		
	Certificate 1/11 Certificate n.f.d		
	Year 12		
	Year 11		
	Year 10 or below		
	Level not determined		
	Boarding school pupils		
	Study not leading to a qualification		
T 1 C . 1 .	Not attending in current year	CAMPIANA	1.7.0.16
Level of study in	Higher degree	CYRLVL2	1-7, 9-16
current year (ABSCQ)	Postgraduate diploma		
	Bachelor degree		
	Undergraduate diploma		
	Associate diploma		
	Skilled vocational course		
	Basic vocational course		
	Secondary school course		
	Level not determined		
	Study not for a qualification		
	Not attending in current year		
Main field of education	Natural and physical sciences	MSTDYCY	6-7, 11, 14
of study in current year	Information technology		
(ASCED)	Engineering and related technologies		
	Architecture and building		
	Agriculture, environmental and related studies		
	Health		
	Education		
	Management and commerce		
	Society and culture		
	Creative arts		
	Food, hospitality and personal services		
	Mixed field programmes		
	Field not determined		
	Business administration	MFSTDYCR	7
of study in current year			
(ABSCQ)	Education		
	Society and culture		
	Natural and physical science		
	Engineering		
	Architecture and building		
	Agriculture and related fields		
	Miscellaneous fields		
	Field not determined		

r	T=	T	1.
Whether applied to	Studying currently	WAPECURF	1
enrol in an educational	Gained placement but deferred study		
institution in current	Unable to gain placement		
year and type of	Did not apply to enrol in current year		
institution			
Age at time of leaving	Not asked (persons aged over 24 years)	AGELFTE	1
full-time education	Left at age under 15 years		
	Left at age 15 years		
	Left at age 16 years		
	Left at age 17 years		
	Left at age 18 years		
	Left at age 19 years		
	Left at age 20 years		
	Left at age 21 years		
	Left at age 22 years		
	Left at age 22 years		
	Left at age 23 years		
	Left at age 24 years		
	Never attended full-time education		
	Attending full-time study in current year for a		
	qualification		
	Attending other full-time study in current year		
Year last attended an	Before 1994	YRLAFTE	1
educational institution	1994	IKLAFIE	1
full-time	1995		
Tun-time	1995		
	1997		
	1998		
	1999		
	Left in previous year or later		
	Never attended full-time, aged 25 or over or not		
	asked		
	Attending full-time study in current year for a		
	qualification		
	Attending other full-time study in current year		
Time of leaving full-	January to July previous year	TLFECURF	5
time recognised	August to December previous year		
education	January to May current year		
	Not asked		
Main reason left full-	Not applicable	MRLFTTER	5
time tertiary education	Completed course of study		
	Changed to part-time study		
	Employment or financial reasons		
	Employment of imanetal reasons		
	Family responsibilities/illness/injury/personal		
	Family responsibilities/illness/injury/personal		
	Family responsibilities/illness/injury/personal reasons Deferred course/lost interest/failed course		
Type of school last	Family responsibilities/illness/injury/personal reasons Deferred course/lost interest/failed course Course unavailable or other reasons	TSCHCURF	Aged 15-24
Type of school last attended	Family responsibilities/illness/injury/personal reasons Deferred course/lost interest/failed course Course unavailable or other reasons Not applicable	TSCHCURF	Aged 15-24
Type of school last attended	Family responsibilities/illness/injury/personal reasons Deferred course/lost interest/failed course Course unavailable or other reasons Not applicable Government	TSCHCURF	Aged 15-24
• 1	Family responsibilities/illness/injury/personal reasons Deferred course/lost interest/failed course Course unavailable or other reasons Not applicable Government Catholic	TSCHCURF	Aged 15-24
- 1	Family responsibilities/illness/injury/personal reasons Deferred course/lost interest/failed course Course unavailable or other reasons Not applicable Government	TSCHCURF	Aged 15-24

T1 . C1.: 1	D	LVILIEDAT	1
Level of highest	Postgraduate degree	LVLHEDAT	1
educational attainment	Graduate diploma / Graduate certificate		
(ASCED)	Bachelor degree		
	Advanced diploma / Diploma		
	Certificate III / IV		
	Certificate I / II		
	Certificate n.f.d.		
	Year 12		
	Year 11		
	Year 10 or below / Never attended school		
	Level not determined		
	Boarding school pupils		
Level of highest	Higher degree	EDUATTMT	1
educational attainment	Postgraduate diploma		
(ABSCQ)	Bachelor degree		
	Undergraduate diploma		
	Associate diploma		
	Skilled vocational qualification		
	Basic vocational qualification		
	Completed secondary schooling, attending a		
	tertiary institution in current year		
	Completed secondary schooling, not attending a		
	tertiary institution in current year		
	Did not complete secondary schooling,		
	attending a tertiary institution in current year Did		
	not complete secondary schooling,		
	not attending a tertiary institution in current year		
1	[		
	(includes Never attended school)		
	Still at school		
Level of highest non-	Still at school Postgraduate degree	LVLHNSQ	ALL
school qualification	Still at school  Postgraduate degree Graduate diploma / Graduate certificate	LVLHNSQ	ALL
	Still at school  Postgraduate degree Graduate diploma / Graduate certificate Bachelor degree	LVLHNSQ	ALL
school qualification	Still at school  Postgraduate degree Graduate diploma / Graduate certificate Bachelor degree Advanced diploma / Diploma	LVLHNSQ	ALL
school qualification	Still at school  Postgraduate degree Graduate diploma / Graduate certificate Bachelor degree Advanced diploma / Diploma Certificate III / IV	LVLHNSQ	ALL
school qualification	Still at school  Postgraduate degree Graduate diploma / Graduate certificate Bachelor degree Advanced diploma / Diploma	LVLHNSQ	ALL
school qualification	Still at school  Postgraduate degree Graduate diploma / Graduate certificate Bachelor degree Advanced diploma / Diploma Certificate III / IV	LVLHNSQ	ALL
school qualification	Still at school  Postgraduate degree Graduate diploma / Graduate certificate Bachelor degree Advanced diploma / Diploma Certificate III / IV Certificate I / II	LVLHNSQ	ALL
school qualification	Still at school  Postgraduate degree Graduate diploma / Graduate certificate Bachelor degree Advanced diploma / Diploma Certificate III / IV Certificate I / II Certificate n.f.d.	LVLHNSQ	ALL
school qualification obtained (ASCED)	Still at school  Postgraduate degree Graduate diploma / Graduate certificate Bachelor degree Advanced diploma / Diploma Certificate III / IV Certificate I / II Certificate n.f.d. Level not determined	LVLHNSQ	ALL
school qualification obtained (ASCED)  Highest level of school	Still at school  Postgraduate degree Graduate diploma / Graduate certificate Bachelor degree Advanced diploma / Diploma Certificate III / IV Certificate I / II Certificate n.f.d. Level not determined No non-school qualifications obtained Year 12		
school qualification obtained (ASCED)	Still at school  Postgraduate degree Graduate diploma / Graduate certificate Bachelor degree Advanced diploma / Diploma Certificate III / IV Certificate I / II Certificate n.f.d. Level not determined No non-school qualifications obtained Year 12 Year 11		
school qualification obtained (ASCED)  Highest level of school	Still at school  Postgraduate degree Graduate diploma / Graduate certificate Bachelor degree Advanced diploma / Diploma Certificate III / IV Certificate I / II Certificate n.f.d. Level not determined No non-school qualifications obtained Year 12 Year 11 Year 10		
school qualification obtained (ASCED)  Highest level of school	Still at school  Postgraduate degree Graduate diploma / Graduate certificate Bachelor degree Advanced diploma / Diploma Certificate III / IV Certificate I / II Certificate n.f.d. Level not determined No non-school qualifications obtained Year 12 Year 11 Year 10 Year 9		
school qualification obtained (ASCED)  Highest level of school	Still at school  Postgraduate degree Graduate diploma / Graduate certificate Bachelor degree Advanced diploma / Diploma Certificate III / IV Certificate I / II Certificate n.f.d. Level not determined No non-school qualifications obtained Year 12 Year 11 Year 10 Year 9 Year 8 or below, never attended school, not asked		
school qualification obtained (ASCED)  Highest level of school	Still at school  Postgraduate degree Graduate diploma / Graduate certificate Bachelor degree Advanced diploma / Diploma Certificate III / IV Certificate I / II Certificate n.f.d. Level not determined No non-school qualifications obtained Year 12 Year 11 Year 10 Year 9		
school qualification obtained (ASCED)  Highest level of school	Still at school  Postgraduate degree Graduate diploma / Graduate certificate Bachelor degree Advanced diploma / Diploma Certificate III / IV Certificate I / II Certificate n.f.d. Level not determined No non-school qualifications obtained Year 12 Year 11 Year 10 Year 9 Year 8 or below, never attended school, not asked		
school qualification obtained (ASCED)  Highest level of school	Still at school  Postgraduate degree Graduate diploma / Graduate certificate Bachelor degree Advanced diploma / Diploma Certificate III / IV Certificate I / II Certificate n.f.d. Level not determined No non-school qualifications obtained Year 12 Year 11 Year 10 Year 9 Year 8 or below, never attended school, not asked		
school qualification obtained (ASCED)  Highest level of school	Still at school  Postgraduate degree Graduate diploma / Graduate certificate Bachelor degree Advanced diploma / Diploma Certificate III / IV Certificate I / II Certificate n.f.d. Level not determined No non-school qualifications obtained Year 12 Year 11 Year 10 Year 9 Year 8 or below, never attended school, not asked		
school qualification obtained (ASCED)  Highest level of school	Still at school  Postgraduate degree Graduate diploma / Graduate certificate Bachelor degree Advanced diploma / Diploma Certificate III / IV Certificate I / II Certificate n.f.d. Level not determined No non-school qualifications obtained Year 12 Year 11 Year 10 Year 9 Year 8 or below, never attended school, not asked		
school qualification obtained (ASCED)  Highest level of school	Still at school  Postgraduate degree Graduate diploma / Graduate certificate Bachelor degree Advanced diploma / Diploma Certificate III / IV Certificate I / II Certificate n.f.d. Level not determined No non-school qualifications obtained Year 12 Year 11 Year 10 Year 9 Year 8 or below, never attended school, not asked		
school qualification obtained (ASCED)  Highest level of school	Still at school  Postgraduate degree Graduate diploma / Graduate certificate Bachelor degree Advanced diploma / Diploma Certificate III / IV Certificate I / II Certificate n.f.d. Level not determined No non-school qualifications obtained Year 12 Year 11 Year 10 Year 9 Year 8 or below, never attended school, not asked		
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Main field of highest educational attainment (ASCED)	Natural and physical sciences Information technology Engineering and related technologies Architecture and building Agriculture, environmental and related studies Health Education Management and commerce Society and culture Creative arts Food, hospitality and personal services Mixed field programmes Field not determined (includes Never attended	MFHEDATT	ALL
	school)		
Main field of highest	Business administration	MFHEDATD	8
educational attainment	Health		
(ABSCQ)	Education		
	Society and culture		
	Natural and physical science		
	Engineering		
	Architecture and building		
	Agriculture and related fields		
	Miscellaneous fields		
	Field not determined		
	Not stated/inadequately described		
Year completed	Not applicable	YCHQUAL	8
highest non-school	Before 1981		
qualification	1981-1985		
	1986-1990		
	1991		
	1992		
	1993		
	1994		
	1995		
	1996 1997		
	1997		
	1998		
	2000		
	2001		
Number of non-school	One non-school qualification	NUMNSCHQ	1
qualifications obtained	Two non-school qualifications		-
quantitations columba	Three or more non-school qualifications		
	No non-school qualifications		
	•		

Main field of highest	Natural and physical sciences	MFHNSCHQ	8
non-school	Information technology		
qualification (ASCED)	Engineering and related technologies		
	Architecture and building		
	Agriculture, environmental and related studies		
	Health		
	Education		
	Management and commerce		
	Society and culture		
	Creative arts		
	Food, hospitality and personal services		
	Mixed field programmes		
	Field not determined		

#### **APPENDIX 3: TECHNICAL INFORMATION**

#### INTRODUCTION

This document provides information concerning the structure and content of the sample file on CD-ROM (i.e. the Confidentialised Unit Record File (CURF)), which contains unit record data from the 2001 Survey of Education and Work (SEW). More detailed information is contained on the CD-ROM itself.

#### **Protecting privacy**

The release of the data is possible under the **Census and Statistics Act 1905**, which has provision for the release of data in the form of unit records where 'the information is not likely to enable the identification of a particular person or organisation'. Accordingly, there are no names or addresses of survey respondents on the CURF. To ensure that the confidentiality of individuals is protected, the detail for some data items has been suppressed or reduced, while a small number of data items have been deleted altogether.

Subject to the limitations of sample size and the data classifications used, it is possible for you to manipulate the data, produce tabulations and undertake statistical analyses to your own specifications.

#### FILE AND RECORD STRUCTURE

The CURF is distributed on a single CD-ROM. The CURF contains three groups of files associated with the survey - a total of 12 files - as detailed below.

#### Data and metadata

SEW01.DAT - this file contains the raw confidentialised survey data in hierarchical comma delimited ASCII text format.

#### SAS and SPSS files

SEW01.SAS - this file contains the SAS input program, which was used to read the data in

SEW01.DAT into the SAS dataset SEW01.SD2.

SEW01.SPS - this file contains the SPSS input program, which was used to read the data in

SEW01.DAT into the SPSS dataset SEW01.SAV.

SEW01.SD2 - this file contains the CURF data in SAS for Windows format.

SEW01.SAV - this file contains the CURF data in SPSS for Windows format.

#### **Information files**

COPYRIGHT.BAT - The ABS copyright warning notice, to the effect that the copyright to the confidentialised survey data is held by the ABS.

README.TXT - This file contains a brief description of each of the files comprising a survey CURF package available for purchase by clients of the ABS.

SEW01\_Record\_Counts - the complete unweighted frequency counts for all populations in TEXT format

SEW01\_Weighted\_Estimates - the complete weighted frequency counts for all populations in TEXT format.

SEW01 CURF Information Paper - the complete text of this Information Paper, provided to purchasers of the CURF, in ASCII Text format.

62270\_2001.PDF - the complete publication **Education and Work**, **Australia 2001** (cat. no. 6227.0) in Adobe Acrobat format.

12720\_2001.PDF - **Australian Standard Classification of Education (ASCED) 2001** (cat. no. 1272.0), available on the ABS website.

#### Data items

The CURF contains a record for each person enumerated in, and in scope for, the survey, subject to the confidentiality constraints mentioned previously. Data items for the following topics are included on the CURF:

- socio-demographic characteristics (such as age, sex and birthplace);
- employment characteristics (such as labour force status, occupation and industry);
- educational qualifications obtained:
- recent study for educational qualifications;
- access to education and training;

A detailed listing of the populations and data items including SAS names, and other information about the data file, can be found in Appendices 1 and 2.

Some data items on the CURF directly reflect responses to individual questions contained in the survey questionnaire, while others have been derived from responses to two or more questions. Due to the sheer volume and complexity of the derivations, they have not been presented in this document. Please refer any queries about the derivation of particular data items to the National Centre for Education and Training Statistics on 02 6252 7934.

#### Data reconciliation

As a result of the steps that have been taken to preserve confidentiality, it may not be possible to exactly reconcile all statistics produced from the CURF with published statistics.

#### Abbreviations and substitutions

Each label for data items and populations can only be provided in a single-line character string of not more than 99 characters, i.e. there is no hierarchical structure. To make each label fit within the character string a number of abbreviations and substitutions have been used.

Abbreviations and the most common substitutions are listed at the start of this Information paper.

#### Further information on educational classifications

For the Survey of Education and Work (SEW), educational qualifications were coded using two classifications, the Australian Bureau of Statistics Classification of Qualifications (ABSCQ) and the Australian Standard Classification of Education (ASCED).

The ABS developed ASCED to replace ABSCQ in 2001. For information on ASCED see the Explanatory notes of the publication **Education and Work, Australia 2001** (cat. no. 6227.0, included in the CD-ROM) or the **Australian Standard Classification of Education (ASCED) 2001** (cat. no. 1272.0, available on the ABS website).

#### Access to CURF

On approval, the CURF is released to the care of the Responsible Officer - the signatory to the Undertaking - who is held to be legally responsible for the file and its use. The Undertaking requires the Responsible Officer to maintain a full list of all persons who are given access to the CURF, and to provide this list to the ABS on request. The Undertaking also requires that all persons given access to the CURF be shown the terms and conditions of the Undertaking, particularly the constraints on the use of the file.

# Penalties

Use of the data for improper purposes may render purchasers liable to severe penalties. For further information about the propriety of any particular intended use of the data, please contact the National Centre for Education and Training Statistics on 02 6252 7934.

Note that access to any of the data or files on the CURF is restricted to the person or organisation that has given the Undertaking. Other potential users of the data must therefore make separate application to the ABS. Again, the National Centre for Education and Training Statistics can assist with this.

# Replacement

While the utmost care is taken in preparing and handling each CURF, deterioration may occur between the time of copying and receipt of the CD-ROM. Accordingly, if the CD-ROM is unreadable on receipt and this is reported to the ABS within 30 days of receipt, it will be recopied free of charge. As an added precaution, a security copy ('backup') should be made on receipt.

# **FURTHER INFORMATION**

If you have any queries about this service, please contact:

National Centre for Education and Training Statistics Australian Bureau of Statistics Locked Bag 10 Belconnen ACT 2616 Telephone: 02 6252 7934

Fax: 02 6252 8013