



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **BCC2001A Carry out basic site survey**

**Release: 1**

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### **Modification History**

Not applicable.

### **Unit Descriptor**

Not applicable.

### **Application of the Unit**

Not applicable.

### **Licensing/Regulatory Information**

Not applicable.

### **Pre-Requisites**

Not applicable.

### **Employability Skills Information**

Not applicable.

### **Elements and Performance Criteria Pre-Content**

Not applicable.

### **Elements and Performance Criteria**

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#### **Element**

#### **Performance Criteria**

- |                         |   |
|-------------------------|---|
| 1 Plan and prepare work | 1.1 Requirements of job are determined.                                   |
|                         | 1.2 Relative reduced levels are obtained.                                 |
|                         | 1.3 Personal protective equipment is selected, correctly fitted and used. |

- |   |  |   |
|---|--|---|
|   | 1.4  | Tools and equipment are selected consistent with needs of jobs.                         |
|   | 1.5  | Quality Assurance requirements recognised and adhered to.                               |
| 2 | Maintain given level or specified slope with boning rods |   |
|   | 2.1  | Heights of each end of line to be boned are established.                                |
|   | 2.2  | End boning rods are securely fixed to required heights.                                 |
|   | 2.3  | Heights of intermediate points are sighted with boning rods to +10mm.                   |
| 3 | Set up and use dumpy level                               |   |
|   | 3.1  | Heights to be transferred/established are identified.                                   |
|   | 3.2  | Dumpy level is correctly set up.  |
|   | 3.3  | Levels are shot and heights marked/recorded to job requirements of $\pm 3$ mm misclose. |
| 4 | Set up and use horizontal laser level                    |   |
|   | 4.1  | Heights to be transferred/established are identified.                                   |
|   | 4.2  | Horizontal laser is correctly set up with clear sight lines.                            |
|   | 4.3  | Levels are shot and height marked/recorded to job requirements of $\pm 3$ mm misclose.  |
| 5 | Clean up   |   |
|   | 5.1  | All equipment and tools are cleaned, maintained and returned to store.                  |

## Required Skills and Knowledge

Not applicable.

## Evidence Guide

Competency is to be demonstrated by the safe and effective use of levelling equipment for any of the purposes listed within the range of variables statement relative to the work orientation.

### (1) Critical Aspects of Evidence

It is essential that competence is observed in the following aspects:

compliance with Occupational Health&Safety regulations and State/Territory legislation applicable to work place operations

compliance with organisational policies and procedures including Quality Assurance requirements.

correct procedures undertaken during construction process activities

safe and effective operational use of tools, plant and equipment and communication relative to site survey work

### (2) Pre-requisite Relationship of Units

This unit of competency is dependent upon acquiring the relevant pre-requisite competencies in basic industry and basic stream skills.

### (3) Underpinning Knowledge and Skills

Knowledge

A knowledge of:

workplace and equipment safety requirements.

hand tools and equipment

materials

measurement and calculations

interpreting plans

Quality Assurance

Skills

The ability to:

work safely to instructions

handle material

select material

measure

apply Quality Assurance

communicate effectively

### (4) Resource Implications

The following resources should be made available:

general construction equipment relative to surveying

plant and equipment appropriate to the civil construction process

suitable work area appropriate to the civil construction process

suitable plans/specifications relative to the work orientation

### (5) Method of Assessment

Competency should be assessed through direct observation and questions related to underpinning knowledge.

Competency in this unit may be determined concurrently, based upon project work.

Competency shall be assessed while work is undertaken under general guidance, checking at various stages of the process and at the completion of the activity against the performance criteria and specifications.

### (6) Context of Assessment

Competency shall be assessed in the normal or simulated workplace environment and in accordance with safe work procedures.

Assessment shall include those aspects that are consistent with the work environment of this unit.

Competency shall be assessed while work is undertaken autonomously, within a team environment.

Assessment may be intermittent checking at various stages of the job application with the performance criteria, or may be at the completion of the process.

Guidelines will be in line with statutory requirements, enterprise specific policies and procedures and codes of practice.

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**Range Statement**

Work to include simple levelling tasks such as shooting levels for concrete slabs, civil construction works, carparks, housepads and basic drainage levels.

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**Unit Sector(s)**

Not applicable.