

# TRAINING THE “OTHER” SURVEYOR

SURVEYING STUDIES AVAILABLE  
AT  
GOULBURN OVENS TAFE –  
SHEPPARTON

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## TRAINING THE “OTHER” SURVEYOR

### The Other Surveyor

- **Technical Officer**

- May have has some formal training, e.g. State Rivers & Water Supply Commission training scheme (1960s – 1970s).
- Qualification may be recognised by TAFE.

- **Technical Assistant**

- Generally no formal training other than ‘on the job’.

- **Gap Year Student**

- Students taking on employment between final school year and university to earn money for university.
- Formal training to enhance their performance in the office and field.
- Provide incentive to take up surveying as a career.

## TRAINING THE "OTHER" SURVEYOR



### Why?

- Need identified for technical staff within survey organisations, both Government and Private.
- Existing staff may not have any formal qualifications leading to restrictions on promotions and personal satisfaction.

### Location

- No courses available in regional Victoria, thus students have to travel to Melbourne or undertake courses by correspondence.
- Expensive to undertake these courses away from local area.
- Lost productive time to the employer.
- GOTAFE in Shepparton an ideal location to provide a course to cater for local industry and wider country area.
- Significant experience within the surveying profession in the area.
- **GOTAFE's willingness to invest in the courses available. This has been absolutely critical in being able to develop and run the courses.**

## TRAINING THE "OTHER" SURVEYOR



### Courses Available

- **Certificate III in Spatial Information Services**
- **Certificate IV in Surveying**

### *Proposed Courses*

- Diploma in Surveying



## TRAINING THE "OTHER" SURVEYOR



### Courses Structure

- Certificate III in Spatial Information Services

*The Certificate III in Spatial Information Services has been developed to provide information on Surveying. Surveying is the measurement, management, analysis and display of spatial information describing the Earth, its physical features and the build environment*

*Graduates may be employed in the spatial information industry as an assistant to land surveyors, a survey technician, GIS/GPS operator or computer draftsman. Graduates could initially work in areas such as land management, civil and structural engineering or asset management for local government or mining companies.*

### Entry Requirements

*Participants must be employed within the industry. An interest in trigonometry would be an advantage.*

### Duration & Delivery

*Duration is 18 months delivered with a combination of on and off the job training. It involves 20 days training at GOTAFE over 12 months.*

### Assessment

*Participants are assessed via completion of required tasks and a demonstration of skills, eg. Written and verbal assignments, practical work, classroom participation, projects and/or written tests.*



## TRAINING THE "OTHER" SURVEYOR



### Courses Structure

- Certificate III in Spatial Information Services

### Recognition of Current Competencies (RCC)

*RCC is an assessment process that involves re-assessment of a previously gained accredited qualification that may no longer be recognised by official bodies. With your current industry experience, the RCC process will involve an assessment against the current qualification. Contact the teaching department for further advice on RCC or request an information brochure from the Customer Service Centre.*

### Recognition of Prior Learning (RPL)

*RPL is an evidence gathering assessment process where an individual's skills and knowledge in a specific vocational area are assessed against a unit or units of a nationally accredited training package. Thus enabling them to gain part or all of a formal qualification. Contact the teaching department for further advice on RPL or request an information brochure from the Customer Service Centre.*

### Minimum Number of Students

*The ideal number of students is 10 although up to 16 can be accommodated.*

## TRAINING THE "OTHER" SURVEYOR



### Courses Structure

- Certificate III in Spatial Information Services

#### UNITS

CPPSIS3001A	Apply map presentation principles
CPPSIS3002A	Store and retrieve basic spatial data
CPPSIS3004A	Respond to client spatial enquiry
CPPSIS3005A	Collect basic spatial data.
CPPSIS3010A	Perform basic spatial computations
PRMCMN301A	Contribute to workplace safety arrangements
PFIFGM147A	Read and interrupt maps
BSBFLM303A	Contribute to effective workplace relationships
THHGHS03B	Provide first aid
CPPSIS2001A	Prepare for work in the spatial information services industry
CPPSIS3007A	Select, operate and maintain equipment and supplies

## TRAINING THE "OTHER" SURVEYOR



### Courses Structure

- Certificate IV in Surveying

*The Certificate IV in Surveying has been developed to provide information on Surveying. Surveying is the measurement, management, analysis and display of spatial information describing the Earth, its physical features and the build environment*

*Graduates may be employed in the spatial information industry as an assistant to land surveyors, a survey technician, GIS/GPS operator or computer draftsman. Graduates could initially work in areas such as land management, civil and structural engineering or asset management for local government or mining companies.*

#### **Entry Requirements**

*Participants must be employed within the industry or be prepared to gain work experience with a surveying company. Satisfactory completion of the Certificate III in Spatial Information Services is a pre-requisite.*

#### **Duration & Delivery**

*Duration is over 2 years, delivered with a combination of on and off the job training. It involves 30 days training at GOTAFE over 18 months.*

#### **Assessment**

*Participants are assessed via completion of required tasks and a demonstration of skills, e.g.. Written and verbal assignments, practical work, classroom participation, projects and/or written tests.*



## TRAINING THE "OTHER" SURVEYOR



### Courses Structure

- Certificate IV in Surveying

#### **Qualification**

The Certificate IV in Surveying is a nationally recognised qualification.

#### **Recognition of Current Competencies (RCC)**

RCC is an assessment process that involves re-assessment of a previously gained accredited qualification that may no longer be recognised by official bodies. With your current industry experience, the RCC process will involve an assessment against the current qualification. Contact the teaching department for further advice on RCC or request an information brochure from the Customer Service Centre.

#### **Recognition of Prior Learning (RPL)**

RPL is an evidence gathering assessment process where an individual's skills and knowledge in a specific vocational area are assessed against a unit or units of a nationally accredited training package. Thus enabling them to gain part or all of a formal qualification. Contact the teaching department for further advice on RPL or request an information brochure from the Customer Service Centre.

#### **Minimum Number of Students**

The ideal number of students is 10 although up to 16 can be accommodated.



## TRAINING THE "OTHER" SURVEYOR



### Courses Structure

- Certificate IV in Surveying

#### **UNITS**

CPPSIS4002A	Store and retrieve spatial data
CPPSIS4005A	Collect basic GPS data
CPPSIS4006A	Read and interrupt basic image data
CPPSIS4009A	Collect and set out basic surveying data.
CPPSIS4010A	Operate surveying equipment
CPPSIS4011A	Perform surveying computations.
CUVCRS03A	Produce computer aided drawings
ICAITU006C	Operate computing packages
BSBADM404A	Develop and use complex spreadsheets
CPPCMN4002A	Implement and monitor environmentally sustainable work practices.
CPPDSM3009A	Maintain workplace safety in the property industry
CPPSIS4007A	Organise field services
CPPSIS4008A	Organise equipment and supplies
CPPSIS4012A	Plan and conduct survey expeditions
MNQGEN400A	Apply site risk management system

## **TRAINING THE "OTHER" SURVEYOR**

### **Funding**

- **State and Federal funding available if student is in the first three months of employment. This is a significant advantage to the employer as all costs of the course are covered. The employer has to cover the time component.**
- **Employer or student has to cover all costs if employed for more than three months.**

## **TRAINING THE "OTHER" SURVEYOR**

### **Current Situation**

- **One class is currently running in the Certificate III in Spatial Information Services**
- **Two classes are currently running in Certificate IV in Surveying.**
- **Initial work has begun on the Diploma in Surveying, although this will depend on the availability of training staff.**
- **Australia wide discussions have been taking place in relation to Surveying courses and the adoption of a standard structure for the industry.**

## **TRAINING THE "OTHER" SURVEYOR**

### **Where to from here?**

- **Continue to ask organisations to support the courses by sending candidates.**
- **Seeking ongoing financial support from Government by way of subsidies.**
- **Providing valuable courses for the Industry.**
- **Providing valuable opportunities for employees to undertake studies in a local environment.**
- **Promote the Industry.**

## **TRAINING THE "OTHER" SURVEYOR**

### **Acknowledgements:**

- **John Carnegie of GOTAFE Shepparton for his tireless enthusiasm and organisation of the courses. John is a Mechanical Engineer by profession.**
- **Alan Timcke, Neil Muller and Simon Nazaretian for their input into preparation and teaching of the subject matter.**
- **To the employers who have sent staff along to the course.**
- **To the students who have and are still undertaking studies.**



## **TRAINING THE "OTHER" SURVEYOR**



**Questions?**