



Competency Frameworks

(Overview)

Section 39

Surveyors Act 2003

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Version Control

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V0.90	CF Taskforce	28 th July, 2005	Draft Document
V0.95	CF Taskforce	25 th Aug, 2005	Final for forwarding to Surveyors Board
V1.00	CF Taskforce	13 th Oct, 2005	Released Document
V1.00	SBQ	20 th Aug, 2007	Reviewed

Document References

Ref	Title	Document ID	Version	Owner
[1]	Surveyors Act 2003			State of Qld
[2]	Competency Frameworks (Surveying Associate)	SBQ-CF-0101	V3.00	SBQ
[3]	Competency Frameworks (Surveying Graduate)	SBQ-CF-0102	V3.00	SBQ
[4]	Competency Frameworks (Surveyor)	SBQ-CF-0103	V3.00	SBQ
[5]	Competency Frameworks (Consulting Endorsement)	SBQ-CF-0104	V1.00	SBQ
[6]	Competency Frameworks (Engineering Endorsement)	SBQ-CF-0105	V3.00	SBQ
[7]	Competency Frameworks (Cadastral Endorsement)	SBQ-CF-0106	V3.00	SBQ
[8]	Competency Frameworks (Hydrographic Endorsement)	SBQ-CF-0107	V1.00	SBQ
[9]	Competency Frameworks (Mining Endorsement)	SBQ-CF-0108	V3.00	SBQ
[10]	National Competency Standards for Professional Surveyors		1996	ISA / SSI

Introduction

In consultation with relevant surveying industry bodies, the Surveyors Board of Queensland has established a competency framework for the various levels of registration and endorsement available under the Surveyors Act 2003. This framework is substantially based on the Institution of Surveyors, Australia 1996 publication 'National Competency Standards for Professional Surveyors'.

This document provides an overview of the Competency Framework as prescribed under section 39 of the Surveyors Act 2003.

Applicants for registration (and endorsement recognising particular surveying competency) are assessed against this framework and are granted a grade of registration or endorsement according to the level of competency achieved in the Units of Surveying Competency recognised by the Board. The units are as follows:-

- Professional Practice
- Collection of data and Information
- Management of Data and Information
- Presentation of Information
- Business, Management, and Supporting Quality Assurance Programs
- Communications
- Spatial Reference Systems and Core Data Bases
- Land Administration and Property Development
- Controlling the Location of Developments
- Research, Development and Commercialisation
- Education and Training

The competency framework describes the recognised Units of Surveying Competency, Elements of Competency, and Performance Criteria and the levels that are required to be met for the various endorsements and grades of registration as a surveyor.

Competency is developed through the appropriate combination of qualifications, skills, knowledge, and experience. This competency framework relates the Units of Surveying Competency, Elements of Competency, and Performance Criteria to the level of performance that the applicant is required to demonstrate.

The competency frameworks are composed of the following elements:-

1. An overall description of the level of competency to be achieved.
2. For each unit, a description of the level of competency to be achieved in this unit.

Each Unit of Surveying Competency has up to four levels of competency that may be attained by a applicant. The levels recognise increased competency based on knowledge, skills, experience and qualifications. Table 1 details the link between the Unit of Surveying Competency and the levels that are required in order to establish competency for various grades of registration. Table 2 details the link between the Unit of Surveying Competency and the level that is required in order to establish competency for each specialist endorsement.

A separate framework has been prepared for each individual level of registration and each individual endorsement. They set out, in detail, the required Units of Surveying Competency and Elements of Competency as well as the associated level to be demonstrated by applicants, together with Performance Criteria, that spell out both the breadth and level of competency required to be demonstrated by the applicant.

Interpretation of this Framework

Applicants should address the relevant Elements of Surveying Competency for each Unit of Surveying Competency relating to the grade of registration applied for. Applicants are expected to show that they have met the Performance Criteria to the level set for each endorsement or grade of registration sought.

The Units of Surveying Competency and Elements of Competency enunciated in this framework are necessarily generic in nature. Applicants for registration and endorsement are required to interpret the Units and Elements in a way that demonstrates his/her competency in the context of the registration or specialisation sought. This is particularly important when a registered surveyor seeks endorsement of his/her registration in the various fields of specialisation.

Definitions

Unit of Surveying Competency (Unit): A major segment of the overall competency of the surveying profession, typically representing a major function, role or field of activity.

Element of Surveying Competency (Element): A subdivision of a Unit of Surveying Competency into an observable function or activity.

Performance Criteria (Descriptors): An indicative list of the aspects of professional performance that would be regarded as evidence of competent professional performance in the work place in an element of surveying competency.

With Guidance: The performance of the descriptor is achieved by the applicant under the direction of a competent supervisor. The applicant need not be able to perform the activity without requesting help in planning and execution.

Under Supervision: The performance of the descriptor is achieved by the applicant without direct supervision of each step; however the result of the activity cannot be used unless it has been checked by a competent supervisor.

TABLE 1: Units of Surveying Competency and Levels of Competency Required to Achieve Various Levels of Registration

- Note:-
- 1 Assessment is undertaken to ensure that the applicant is competent in the field of the endorsement selected.
 - 2 Endorsement is available only to Registered Surveyors
 - 3 At least one of the optional units must be completed by Surveying Graduate and Registered Surveyor applicants
 - 4 Refer to the Competency Framework documents for details of the assessment relating to the grade of registration selected.

Unit of Surveying Competency	Grades of Registration and the Associated Unit Level		
	Surveying Associate Doc. No. SBQ-CF-0101	Surveying Graduate Doc. No. SBQ-CF-0102	Registered Surveyor Doc. No. SBQ-CF-0103
1 - Professional Practice	Assessed	Assessed	Assessed
2 - Collection of Data and Information	Assessed	Assessed	Assessed
3 - Management of Data and Information	Assessed	Assessed	Assessed
4 - Presentation of Information	Assessed	Assessed	Assessed
5 - Business, Management and Supporting Quality Assurance Programs	Assessed	Assessed	Assessed
6 - Communications	Assessed	Assessed	Assessed
7 - Spatial Referencing Systems and core data bases	Not Applicable	Assessed	Assessed
8 - Land Administration and Property Development	Not Applicable	Assessed	Optional (See Note 3) Assessed
9 - Controlling, Measuring and locating Developments	Assessed	Assessed	Optional (See Note 3) Assessed
10 - Research, Development, and Commercialisation	Not Applicable	Assessed	Optional (See Note 3) Assessed
11 - Education & Training	Not Applicable	Not Applicable	Optional (See Note 3) Assessed

TABLE 2: Units of Surveying Competency and Assessment Required to Achieve Endorsement

- Note:-
1. Endorsement is available only to Registered Surveyors
 2. Re-assessment is undertaken to ensure that the applicant is competent in the field of the endorsement selected.
 3. Refer to the Competency Frameworks documents for details of the assessment relating to the endorsement selected.

Unit of Surveying Competency	Doc. No.	Technical Endorsements				
		Consulting Endorsement	Engineering	Cadastral	Hydrographic	Mining
		Consulting SBQ-CF-0104	Engineering SBQ-CF-0105	Cadastral SBQ-CF-0106	Hydrographic SBQ-CF-0107	Mining SBQ-CF-0108
1 - Professional Practice		Re-assessed	Not re-assessed	Not re-assessed	Not re-assessed	Not re-assessed
2 - Collection of Data and Information		Not re-assessed	Not re-assessed	Re-assessed	Re-assessed	Not re-assessed
3 - Management of Data and Information		Not re-assessed	Re-assessed	Re-assessed	Re-assessed	Re-assessed
4 - Presentation of Information		Not re-assessed	Re-assessed	Re-assessed	Re-assessed	Re-assessed
5 - Business, Management and Supporting Quality Assurance Programs		Re-assessed	Not re-assessed	Not re-assessed	Not re-assessed	Not re-assessed
6 - Communications		Re-assessed	Re-assessed	Re-assessed	Re-assessed	Re-assessed
7 - Spatial Referencing Systems and core data bases		Not Applicable	Not re-assessed	Re-assessed	Assessed	Not re-assessed
8 - Land Administration and Property Development		Not Applicable	Not Applicable	Assessed	Assessed	Not re-assessed
9 - Controlling, Measuring and locating Developments		Not Applicable	Assessed	Not Applicable	Assessed	Re-assessed
10 - Research, Development, and Commercialisation		Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
11 - Education & Training		Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable