

# Summary statement: Professional engineer

These are the competency units and elements. These elements must be addressed in the summary statement (see section C). If you are applying for assessment as a professional engineer, you will need to download this page, complete it and lodge it with your application.

## PE1 Knowledge and skill base

Competency element	A brief summary of how you have applied the element	Paragraph number in the career episode(s) where the element is addressed
<b>PE1.1</b> Comprehensive, theory-based understanding of the underpinning natural and physical sciences and the engineering fundamentals applicable to the engineering discipline		
<b>PE1.2</b> Conceptual understanding of the mathematics, numerical analysis, statistics and computer and information sciences which underpin the engineering discipline		

## PE1 Knowledge and skill base

Competency element	A brief summary of how you have applied the element	Paragraph number in the career episode(s) where the element is addressed
<b>PE1.3</b> In-depth understanding of specialist bodies of knowledge within the engineering discipline		
<b>PE1.4</b> Discernment of knowledge development and research directions within the engineering discipline		

## PE1 Knowledge and skill base

Competency element	A brief summary of how you have applied the element	Paragraph number in the career episode(s) where the element is addressed
<b>PE1.5</b> Knowledge of contextual factors impacting the engineering discipline		
<b>PE1.6</b> Understanding of the scope, principles, norms, accountabilities and bounds of contemporary engineering practice in the specific discipline		

## PE2 Engineering application ability

Competency element	A brief summary of how you have applied the element	Paragraph number in the career episode(s) where the element is addressed
PE2.1 Application of established engineering methods to complex engineering problem solving		
PE2.2 Fluent application of engineering techniques, tools and resources		

## PE2 Engineering application ability

Competency element	A brief summary of how you have applied the element	Paragraph number in the career episode(s) where the element is addressed
PE2.3 Application of systematic engineering synthesis and design processes		
PE2.4 Application of systematic approaches to the conduct and management of engineering projects		

## PE3 Professional and personal attributes

Competency element	A brief summary of how you have applied the element	Paragraph number in the career episode(s) where the element is addressed
PE3.1 Ethical conduct and professional accountability		
PE3.2 Effective oral and written communication in professional and lay domains		

## PE3 Professional and personal attributes

Competency element	A brief summary of how you have applied the element	Paragraph number in the career episode(s) where the element is addressed
PE3.3 Creative innovative and proactive demeanour		
PE3.4 Professional use and management of information		

## PE3 Professional and personal attributes

Competency element	A brief summary of how you have applied the element	Paragraph number in the career episode(s) where the element is addressed
PE3.5 Orderly management of self, and professional conduct		
PE3.6 Effective team membership and team leadership		