**CURTIN ENGINEERING**

**Short-form Reflective Report on Exposure to Professional Engineering Practice (EPEP)**

**Purpose**

EPEP helps you develop the Engineers Australia Stage 1 Competencies for the Professional Engineer. Reflecting on your EPEP activities—and recording those thoughts—is an important part of that process. This type of reporting is similar to what you’ll need to do for continuing professional development as a practising engineer. Please complete this short report for each GEN, PRES and PROF activity claimed in your logbook.

**Name and date of activity**

**Select the** [**EA Stage 1 Competencies**](https://www.engineersaustralia.org.au/resource-centre/resource/stage-1-competency-standard-professional-engineer) **that apply to this activity (you may select as many as appropriate)**

**1. KNOWLEDGE AND SKILL BASE**

**1.1. Science / engineering fundamentals:** Comprehensive, theory based understanding of the underpinning natural and physical sciences and the engineering fundamentals applicable to the engineering discipline.

**1.2. Conceptual understanding of maths and IT:** Conceptual understanding of the mathematics, numerical analysis, statistics, and computer and information sciences which underpin the engineering discipline.

**1.3.** **Specialist knowledge:** In-depth understanding of specialist bodies of knowledge within the engineering discipline.

**1.4. Development and research:** Discernment of knowledge development and research directions within the engineering discipline.

**1.5. Context:** Knowledge of contextual factors impacting the engineering discipline.

**1.6.** **Engineering practice:** Understanding of the scope, principles, norms, accountabilities and bounds of contemporary engineering practice in the specific discipline.

**2. ENGINEERING APPLICATION ABILITY**

**2.1. Problem solving:** Application of established engineering methods to complex engineering problem solving.

**2.2. Use of engineering techniques:** Fluent application of engineering techniques, tools and resources.

**2.3. Systematic design:** Application of systematic engineering synthesis and design processes.

**2.4. Project management:** Application of systematic approaches to the conduct and management of engineering projects.

**3. PROFESSIONAL AND PERSONAL ATTRIBUTES**

**3.1. Professionalism:** Ethical conduct and professional accountability.

**3.2. Communication:** Effective oral and written communication in professional and lay domains.

**3.3. Creativity:** Creative, innovative and pro-active demeanour.

**3.4. Information management**: Professional use and management of information.

**3.5. Self-conduct:** Orderly management of self and professional conduct.

**3.6. Teamwork:** Effective team membership and team leadership.

*Replace this text with the name and date(s) of the activity. It needs to match the entry in your logbook.*

**Reflection**

*Replace this text with 200 words that reflect on the activity. You need to cover three points:*

*(1) A brief background for the activity to give us context*

*(2) What you personally did: your role in the activity*

*(3) Most importantly, what you learnt from the experience*

*Here’s some guidance on writing reflectively:*

[*https://www.dlsweb.rmit.edu.au/lsu/content/2\_AssessmentTasks/assess\_pdf/journals\_technical.pdf*](https://www.dlsweb.rmit.edu.au/lsu/content/2_AssessmentTasks/assess_pdf/journals_technical.pdf%20)

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