



Research in Engineering Education Symposium &
Australasian Association for Engineering Education Conference

5 – 8 December, 2021 - Perth, WA



WORKSHOP

Reviewing The Engineers Australia Competencies

Prue Howard^a, Bernadette Foley^b,
Australasian Engineering Accreditation Centre^a, Engineers Australia^b,
Corresponding Facilitator's Email: prueandpointo@gmail.com

WORKSHOP MODE

Hybrid mode during Perth business hours

OVERVIEW OF WORKSHOP

It is eight years since the Engineers Australia Competencies (Stage 1, Stage 2) have been reviewed. As the IEA approved changes to their Graduate Attributes and Professional Competencies in June 2021, it is timely that Engineers Australia reviews their competencies for the three occupational categories of Professional Engineer, Technologist and Associate. This workshop will give Australian educators the opportunity to contribute to that review, and the outcomes of future education programs.

ACTIVITIES

Activities will include an introduction to the new IEA competencies, and group based discussion of what Australia's competencies should look like for the next seven years. The workshop will conclude with participant groups sharing their views.

TARGET AUDIENCE

The target audience is Australian Engineering Educators, and any other Engineering Education stakeholders. No prior knowledge is needed, but an awareness of the current competencies would help.

OUTCOMES

The outcomes for those participating in the workshop is an increased knowledge and understanding of the Engineers Australia's current competencies, and hence their own program learning outcomes. Additionally, participants have the opportunity to contribute to redefining the Australian competencies going forward. The redefined competencies will help to develop the engineers of the future, through future program learning outcomes. Participants improved knowledge and understanding of the competencies will in turn equip them with the knowledge to effectively review and develop their own units.

KEYWORDS

Competencies, Accreditation Graduate attributes.

PRESENTERS' BACKGROUNDS

Dr Prue Howard is the Project manager for the EA Competency Review Project. She is also an AEAC Visit Manager, and has 30 years experience as an engineering educator. Bernadette Foley is the General Manager, Professional Standards for Engineers Australia, with a mix of industry, education experience.