

# Engineers Australia Competency Based Assessment Systems

## STANDARDS, BENCHMARKS AND THE ROLE OF BUSINESS

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# Stage 1 – Competency

## Stage 1 competency standard

- is the level of competency needed for entry to practice as a qualified member of the engineering team
  - corresponds to completion of an accredited or recognised educational program
  - Standard driven by industry, but benchmarked and monitored by international peers
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- Accreditation criteria and performance indicators test the integrity of delivery of Stage 1 Competencies



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# Accreditation System

- Encourages diversity and innovation in engineering education
- Is non prescriptive and focuses on delivery of designated outcomes
- Passes responsibility for educational specification and design to the provider



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# Industry Role

- Accreditation system demands industry input to engineering education
  - Advisory role in setting, reviewing and monitoring attainment of targeted graduate outcomes
  - Providing professional practice exposure opportunities as an integral part of the educational experience



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# Perceived Challenges

- More cohesive and systematic – university/industry partnerships in provision of engineering education
- Reviewing the balance of the Engineering Team - demise of the Engineering Technologist - industry role and education programs
- Improving quality and efficiency of engineering education design and delivery
  - sector wide perspective
  - balancing competitive operating environment and diversity of offerings against rational sharing of effort and resources
- Lifting quality and volume of student intakes
- Continual improvement of QA processes underpinning accreditation system



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# THANK YOU

[www.engineersaustralia.org.au](http://www.engineersaustralia.org.au)

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