



ENGINEERS
AUSTRALIA

Australian Bureau of Statistics
ANZSCO Maintenance
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11 April 2022

RE: Updating the Australian and New Zealand Standard Classification of Occupations

Engineers Australia appreciates the opportunity to continue supporting the Australian Bureau of Statistics (ABS) with updating the Australian and New Zealand Standard Classification of Occupations. The input provides high level advice on other areas of ANZSCO that require updating, and we would welcome the opportunity to meet and discuss in further detail.

Engineers Australia is the peak body for the engineering profession in Australia, with about 105,000 members, constituted by Royal Charter to advance the science and practice of engineering for the benefit of the community. As Australia's signatory to the International Engineering Alliance, Engineers Australia maintains national professional standards, benchmarked against international norms. Under the Migration Regulations 1994, we are the designated assessing authority to perform the assessment of potential migrant engineering professionals' skills, qualifications, and/or work experience to ensure they meet the occupational standards needed for employment in Australia.

The current review into 'construction-related trades update' references engineering trade workers. Engineers Australia recommends a future review considers adding a unit group under 233 'Engineering Professionals' for 'Construction Engineers'. Construction engineers are engineering professionals that are key to the construction team. The position requires them to work with construction managers to administer efficient and effective engineering activities to meet the requirements of the project. Engineers Australia can assist in defining the parameters of this category including the definition and duties.

In addition, it is recommended unit group 1331 'Construction Manager', be reviewed and the definition expanded. Construction is a multidisciplinary field which involves structural engineers, mechanical engineers, and electrical engineers as much as it involves civil engineering. Engineers Australia can provide a revised definition that would be more inclusive of the work undertaken by construction managers.

With the Australian Government's new trilateral partnership with the United Kingdom and the United States (AUKUS) including the potential acquisition of nuclear-powered submarines, Engineers Australia would welcome the opportunity to discuss how related occupations, including engineering, are represented within ANZSCO codes. This partnership has developed renewed interest in nuclear engineering within Australia and without a strong source of local skills, immigrant engineers will be required to fill short term demand.

We would also like to reiterate our interest in contributing to the following areas:

- A long-standing area of interest for Engineers Australia is the differentiation between 2334 Electronics Engineers and 2333 Electrical Engineers. From an Australian education perspective Electrical and Electronic Engineering is considered a combined Field of Education (0313). The differentiation of the ANZSCO classification leads to challenges when assessing underpinning qualifications for the occupation.
- The ANZSCO review of emerging areas. We would welcome the opportunity to contribute to discussions on potential occupations related to 'sustainability engineering'. The introduction of new classifications in this area are likely to impact university offerings and their professional accreditation to international benchmarks.

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Engineers Australia welcomes the opportunity to continue this discussion and provide further input to the update as required. If this would be of benefit please contact Michael Bell, Policy Advisor at mbell@engineersaustralia.org.au or on +61 8 6214 6321.

Yours sincerely,

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