

Submission to Skills Australia about the Skilled Occupations List (SOL)
from
**The Australian Council of Deans of Information and Communications
Technology (ACDICT)**

Attention:
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CEO
Skills Australia

1. The industry (or industries), and occupation(s) represented by your organisation are:

Industry/industries:

The Australian Council of Deans of Information and Communications Technology (ACDICT) is the peak academic body representing the full range of ICT disciplines, and represents all Australian universities.

Occupation(s):

Australian universities provide training and education in all the Occupations concerned with ICT

2. Are there any occupations that you represent where there is evidence of oversupply in the medium-to-long-term?

NO

Given current trends and practices, it is certain that the demands for ICT skills will increase and the skills shortage will be further exacerbated. Trends include:

1. ICT will continue to be the enabler in business and services
2. There will be an NBN of some description
3. There will be increased globalisation of ICT, business and education
4. The internet will expand for business, social and entertainment purposes
5. There will be increased concerns over the environment
6. Security concerns with ICT will increase
7. Cloud computing and mobile technologies will expand
8. There will be new unforeseen technologies

3. Are there any occupations which require formal licensing or registration arrangements in order to practice/perform in this occupation?

Given the critical role ICT plays in all aspects of the economy and services, any developments should be carried out or supervised by accredited ICT Professionals. The Australian Computer Society accredits courses, provides on-going professional development and Professional Status. It would be risky, costly and potentially fatal in some circumstances for developments to be carried out without an appropriately certified ICT professional.

ICT security professionals will become increasingly important wherever information is stored, moved or accessed, and transactions are carried out over the Internet

In our opinion, the future requirements of the Australian economy will require certified ICT Professionals in all failsafe mission critical roles (MACS CP).

- 4. Are there any medium-to-long term trends that are expected to impact the employment outlook for your sector (excluding costs associated with training, labour hire, and international sponsorship)? Please provide evidence (such as a data source or policy document) which substantiates these claims.**

Major trends centre around the NBN and exponential increases in globalisation and the digital economy. There will also be increasing specialisation in ICT as a consequence, and the need for continued professional development.

With increasing specialisation, the Occupation title itself will not describe the skills required and more details will be needed or new occupation titles.

The Australian Computer Society uses the international Skills Framework for the Information Age (SFIA) which has several levels. For clarity and convenience, it would be useful to have a mapping of SFIA with the Occupation titles and codes.

- 5. Are there any occupations within your sector that are in new and emerging areas, and which are not currently captured adequately by ANZSCO (i.e. the Australian and New Zealand Standard Classification of Occupations)?**

There will be emerging areas and innovations revealed by the utilisation of the NBN, such as:

- Mobile and cloud technology applications
- Internet security from increased growth in cloud computing
- Innovations will spawn new specialities in such areas as ehealth, egovernment, and social networking and will require more software testers
- Business and government adopting new technologies will require change management specialists

These examples support the need for a mapping of the skills framework provided by SFIA with the ANZSCO codes for the convenience of employers and service providers.

- 6. Do you agree to this evidence being made publicly available on the Skills Australia website?**

Yes

- 7. Contact details for further information or follow-up**

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