



ACIS 2007

Panel Discussion
ACS CBoK



ACS CBoK

- ACS Professional Standards Board formed January 2007
- Major responsibility is the ACS Core Body of Knowledge (CBoK)
- Review begun in April 2007 for completion in June 2008



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The definition of a profession given by Professions Australia stresses both the possession “of special knowledge and skills in a **widely recognized body of learning** derived from **research, education and training** at a high level” as well as the possession of a **Code of Ethics**” (Professions Australia, 2007).



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The view compatible with the ACS charter is that a **Profession**, as opposed to a craft or a trade, requires its members to:

1. possess an underlying core body of specialized, in-depth, knowledge;
2. adhere to a code of ethics and code of conduct; and
3. engage in continuing knowledge and skills development.



ACS CBoK

- To develop trustworthy, reliable ICT professionals
- To increase the ability of society to exploit ICT effectively and consistently
- To build a profession valued and respected for the contribution it makes for the benefit of all – governments, business leaders, employers, users and customers
- To build a profession that is regarded by students (both current and potential) as a valued and respected career option
- To build a profession based on a strong ICT education and research capability within the Australian education system



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Skills Framework for the Information Age

‘SFIA’ provides a common reference model for the identification of the skills needed to develop effective information systems (IS) making use of information and communications technologies (ICT). It is a simple and logical two dimensional framework consisting of areas of work on one axis and levels of responsibility on the other



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Technical and Professional Skill Sets

(e.g. as defined in SFIA)

Deep Disciplinary
Knowledge

Broad Disciplinary
Knowledge

Foundation Core ICT
Knowledge

Essential
Professional
Knowledge

Non-ICT
Domain
Knowledge



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Foundation Core ICT Knowledge

- IT systems, hardware and software
- Data and information management
- Systems analysis and design
- Networking
- Programming
- Systems testing
- IT project management



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Discipline Area Specific Knowledge

- Computer Science
- Information Systems
- Software Engineering
- e-Commerce
- Simulation and Visualisation
- Computational Science



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Aim of panel is to

- Foundation Core ICT Knowledge from an Information Systems perspective



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