

The National Skills Academy for IT



WELCOME

The National
Skills Academy



IT

The Rt. Hon. David Blunkett welcomes employers and stakeholders from the Cyber Security Industry

NATIONAL SKILLS ACADEMY for IT PLANS FOR TRAINING SOLUTIONS in CYBER SECURITY

& REQUESTS for YOUR HELP & SUPPORT

e-skills UK supported by EURIM

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e-skills UK Strategy

e-skills UK Mission

Unite industry, educators and government to ensure the UK has the technology-related skills to compete in the global economy.

e-skills UK Vision

That the UK is recognised as a global leader in delivering business value from technology:

- The IT workforce is recognised as best in the world for solving business problems, enabling global leadership in high value services, innovation and IT-enabled change;
- Managers and leaders in every sector are able to fully exploit the strategic potential of technology;
- All individuals have the IT user skills needed to participate in employment and society; and
- Educators have the knowledge and skills to support development of a world-class IT skills pool.

e-skills UK – Employer Board(s)

IT & Telecoms Industry Board

- David Thomlinson, Country Managing Director, UK & Ireland, **Accenture**
- Sally Davis, Chief Executive, **BT Wholesale**
- John Pluthero, Executive Chairman, UK, **Cable & Wireless Worldwide**
- Phil Smith, VP and Chief Executive, UK & Ireland, **Cisco**
- Craig Wilson - Managing Director and VP, UK & Ireland, **HP Enterprise Services**
- Stephan Leonard, Chief Executive UK & Ireland, **IBM**
- Andy Green (Chair & Chair e-skills UK), CEO, **Logica**
- Gordon Frazer MD, UK and VP, MS International, **Microsoft**
- David Callaghan, Senior Vice President, **Oracle**
- Gayna Hart, MD, **Quicksilva**
- A. S. Lakshminarayanan, VP & Head of Europe, **Tata Consultancy Services**
- Nick Read, CEO of Asia-Pacific & Middle East Regions, **Vodafone**

CIO Board

- Paul Coby (Chair), CIO, **British Airways**
- Philip Langsdale, CIO, **BAA**
- Tiffany Hall, CIO, **BBC**
- Lesley Hume, CIO, **Cabinet Office** (also Head of Government IT Profession)
- Simon Post, Chief Technology Officer, **Carphone Warehouse**
- Ailsa Beaton, Director of Information, **Metropolitan Police Service**
- David Lister, CIO, **National Grid**
- Catherine Doran, Director Corporate Development, **Network Rail**
- Rob Fraser, IT Director, **Sainsbury's**
- Richard Thwaite, CIO, Global Asset Management, **UBS**
- Ben Wishart, Change and Information Director, **Whitbread**

Employers & employer intermediaries – educators – government and agencies

Strategic objective 1:

Future talent

Motivate talented students to pursue IT-related careers, and better prepare all young people for work in a technology-enabled world

Strategic objective 2:

IT professionals

Develop the IT professional skill pool as the best in the world for deriving business benefit from technology

Strategic objective 3:

The IT Nation

Promote the compelling benefits of increased IT capability to organisations and individuals in every sector

sector solutions

Employer engagement

Generate exceptional employer engagement which raises demand and investment in skills

Research

Deliver authoritative labour market intelligence which enables effective influence on policy, strategy & solution development

Standards & qualifications

Implement a coherent sector qualifications & learning strategy which ensures skills supply is driven by the needs of employers and learners

Partnerships

Establish strategically-aligned partnerships which capitalise on the power of collective action to deliver on this strategy

core activities

e-skills UK research Jan 2011

Jan. 2011 "Technology Insights 2011: UK"

[www.e-skills.com/technologyinsights2011.](http://www.e-skills.com/technologyinsights2011)

**500,000 IT & Telecoms professionals needed in UK
over 5 years**

Cyber Security is in top 3 of future UK skills needs



National Skills Academy for IT - Purpose

THE NATIONAL SKILLS ACADEMY FOR IT

The Academy is an independent, vendor neutral, not-for-profit organisation with unprecedented employer backing to secure the best possible return on investment in learning and development by helping:

Individuals can develop the skills that will make the most difference to their careers;

Smaller companies to win more business by getting the right skills at the right time;

Larger companies to accelerate the business contribution of their people and integrate fresh talent more quickly.

Education and training providers to increase their revenues by participating in the new and growing markets.



The Academy Role in Cyber Security

The **National Skills Academy for IT** is seeking to:

- Develop and maintain a comprehensive database of valued IT qualifications and learning;
- Become a trusted source of information for IT professionals and organisations of all sizes to find and compare courses and qualifications;
- Define and record skills in IT security enabling training gaps to be fulfilled;
- Focus on employers needs in this area in order to identify, prioritise and commission new learning to continue to best fulfil employers needs.

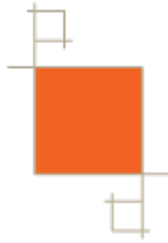


Proposed Plan Outline

Proposed Plan is in the hand out

Focus of the proposed plan is to

1. Build on the list of IT security learning and qualifications; and
2. Identify and resolve gaps in Cyber Security learning provision



Academy Qualifications and Learning in Cyber Security

Establish the landscape of Cyber Security qualifications and learning in order to:

- Promote the attainment of skills and qualifications
- Make clear the purpose and aims of qualifications and learning
- Enable comparison between different types of qualification and learning
- Link qualifications and learning to skills needs and CPD
- Support access by providing a searchable, structured listing of qualifications, exams and courses which defines the qualification structure, course content, level and assessment



Qualifications and Learning in Cyber Security

Learning and development includes:

- Professional qualifications with exams
 - Vendor-specific technical qualifications
 - Third-party and vendor-neutral technical qualifications
 - General qualifications
- Non assessed courses
- Higher and further education short courses, and qualifications (e.g. MSc)
- Employer own training
- e-learning



Provide clarity

Clarity of what qualifications and courses mean in terms of:

- What they deliver (learning outcomes)
- Different levels of knowledge, understanding and competence
- Delivery format
- Assessment methodology used
- Decoupling of learning and assessment
- Relationships between different types of qualification



List of IT Security Qualifications



Where we have got to:

Reviewed and Listed 320 IT Professional Qualifications

We require your help and support to complete this activity

Vendor/ Qualification	Qualification Acronym (where given)
BCS ISEB	
IT Governance, Information and Security	none
Certificate in Information Security Management Principles	none
Check Point	
Check Point Certified Security Administrator	CCSA
Check Point Certified Security Expert	CCSE
Cisco	
Cisco Certified Security Professional	CCSP
Computing Technology Industry Association (CompTIA)	
Security+	none
GIAC (Global Information Assurance Certification)	
Audit	none
Forensics	none
Legal	none
Management	none
Security Administration	none
Software Security	none
Hewlett Packard	
HP Master Accredited Systems Engineer Security	ASE
(ISC) ²	
Certified Information Systems Security Professional	CISSP
Certified Secure Software Lifecycle Professional	CSSLP
Information Systems Security Architecture Professional	ISSAP
Information Systems Security Engineering Professional	ISSEP
Systems Security Certified Practitioner	SSCP
Microsoft	
Microsoft Certified Systems Administrator Security	MCSA
Microsoft Certified Systems Engineer Security	MCSE

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Identifying & Resolving GAPS in Cyber Security provision

The objectives are to (in the context of Cyber Security):

- Investigate with employers where their training needs are not currently being fulfilled or are likely to shift in the future
- Identify and prioritise with employers opportunities for new learning development
- Establish new high quality, cost effective, training provision to meet market needs.



Approach and methodology



There are several scenarios for employers where they may seek new provision of training:

- Where there are gaps in current learning provision
- As a result of new and emerging technologies and practices
- In response to changes in legislation, policy and threats



Meeting the demand for new learning

We aim to:

- Engage with employers to understand their ongoing priorities for new training or fulfilment issues
- Aggregate and prioritise new learning opportunities
- Develop new learning specifications in response to the prioritising of opportunities
- Work with training providers to commission high quality new learning (content, delivery, quality)
- Deploy effective new learning



SUPPORT FOR ACADEMY

WE NEED YOUR HELP



Support to build a database of qualifications and courses

Request - industry employer and stakeholder support to:

Collect relevant accreditations, qualifications and courses for the security industry which you can access which builds on:

- The Academy's work to date collating Cyber Security courses and qualifications; and
- The work to date undertaken by EURIM and others on identifying qualifications and courses
- Above updated by employers and stakeholders (you)

Request – e-skills UK will facilitate a small Advisory Group of security industry employer experts to oversee this exercise

Outcome – Access by all. A report will be produced in the next few months on its usage, status, progress and VALUE to the INDUSTRY.



Employer help with research - one to one interviews

High level research

- 1-to-1 interviews of employers to determine their immediate needs for short courses; and
- help identify any gaps in provision which the Academy could commission and develop in the future

Request to employers or employer bodies –

Please us know if you are willing to be interviewed.



NEXT STEPS

– how to get involved

“Next Steps – Get Involved” form in your pack. Fill in and hand it to an e-skills UK colleague with your business card.

Or simply email: Nigel.Payne@e-skills.com.

Summary of Requests

- Employers and stakeholders to provide up-to-date information to populate the Academy database of qualifications and courses
- Security industry employers volunteer for an Advisory Group
- Employers to participate in 1 to 1 interviews to determine their needs.
- Any other feedback to ensure success of the Academy.



THE Rt. Hon. DAVID BLUNKETT MP.



THANK YOU

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More information:

www.itskillsacademy.ac.uk

www.e-skills.com.