

ICT Networking - Cisco (Advanced)

Competition brief

Skill description

An ICT technician will use a number of skills to be successful in this competition.

- Knowledge and practical skills are paramount.
- Careful planning of resources and your time
- The ability to carry out more than one task at the same time
- The accuracy of your work
- The ability to check that all equipment is configured according to the competition script

Entry requirements

The competition is at advanced level and aimed at ICT students or trainees who are preparing for a career as ICT networking technicians. It is open to students who have completed the CCNA qualification or those working within the IT industry with between 2-7 years of training or experience

WorldSkills London 2011 eligibility criteria

The rule for the WorldSkills Competitions states that competitors are required to be under the age of 23 in the year of the competition; This means that for the WorldSkills London 2011, competitors must be born on or after 1 January 1989.

Competition structure

Register: October – December 2009 www.worldskillsuk.org/competitions/

Enter a competition: 7 January – 9 April 2009

For guidance registering or entering competitions, please visit page 13 of the yellow part of the WorldSkills UK brochure.

The ICT networking competition is set across three stages:

Stage one: enter online between 7 January – 9 April 2009.

Stage two: Send back a completed screening by 1st May 2009 to:

Anthony Robinson
ICT Networking Competition – Cisco
City of Sunderland College
Shiney Row
Success Road,
Philadelphia
Houghton-le-Spring,

DH4 4TL

Stage three: Successful competitors will be invited to a 1 day UK Final in June 2009 at:
City of Sunderland College
Shiney Row
Success Road
Philadelphia
Houghton-le-Spring
DH4 4TL

Accommodation and travel expenses will be paid for the finalists selected to compete at the 1 day UK final if needed.

Please note: If competitors would like to cancel their entry to the competition they must cancel online by 9th April 2009 to prevent cancellation charges (see competition rules on the website for further details).

About the competition

Up to two competitors may be entered per organisation.

The ICT Networking competitions are separated into two categories: ICT networking – Microsoft and ICT Networking – Cisco.

These competitions challenge competitors to test their skills in ICT networking, including the installation of an operating system and the configuration of multiple components e.g. hardware, server network, file and folder security.

Competition description

The ICT Networking (Cisco) competition Advanced will test the knowledge and skills learned in the Cisco CCNA (Cisco Certified Network Associate) qualification.

If you have more than two competitors an internal competition could initially be held in your College / University / Training Agency or Academy.

The scope of each competition are as follows:

ICT Networking Challenge (Cisco)

- Cable Making (Straight Thru, Cross Over, Roll Over) + diagram
- IP Subnetting Exercise
- Router Configuration
- Security
- Troubleshooting
- Multiple Choice Paper
- Router Configuration to Include
- Router Protocols – EIGRP, OSPF, RIPv2
- PPP (Authentication)
- NAT & PAT
- DHCP

Marking and assessment

All marks are objective and will be awarded by the judges as follows

Cable Making (Straight Thru, Cross Over, Roll Over) – diagram	10%
VLSM IP Subnetting Exercise	20%
Hardware Configuration	10%
Router Configuration & Routing Configuration	30%
Security	20%
Troubleshooting	10%

The tests will be assessed and marked in accordance with the general and specific competition rules.

A panel of two judges have been drawn from industry and training providers. The judges' decisions will be independently moderated and quality assured before being confirmed.

Competition rules

Conduct for competitors during live competitions

- Competitors who arrive late for the finals will not receive additional time.
- Competitors will start and finish work as instructed by the judges.
- Any competitor who wishes to leave the area during the competition must seek the permission of the judges.
- If there is a power stoppage, breakdown of machinery or accident, the competitors must act according to the instructions of the judges.

Contact details

For technical advice about the competition contact:

Anthony Robinson

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Email: Anthony.robinson@citysun.ac.uk

For general information about competitions please contact the WorldSkills UK contact centre:

Free phone: 0800 612 0742

Email: worldskillsuk@ukskills.org.uk

Web: www.worldskillsuk.org