



world **skills** uk

Hardware and Software
Challenge - Advanced

Competition Brief

Enter online by 28th February 2008

entry requirements	
Who can enter?	Any student studying a ICT Technician Level 3 related course, for example: GNVQ / BTEC / AVCE ICT, ITSST, IT Essentials (A+)
Individual and/or team event?	Individual
How many competitors can enter?	One Competitor per training facility
Competition structure	<p>Step 1 Register for this competition at www.worldskillsuk.org by 28th February 08</p> <p>Step 2 The competition has a 'live' Final meaning that competitors are all assessed on an allocated day and judged by a panel of professionals in the field.</p> <p>To select your individual competitor for the 'Live' Final, why not consider running an in-house competition? To assist you in this, a selection competition is available for download from the Hardware and Software Challenge web page.</p> <p>Step 3 Competitors who have achieved the highest marks across all regionals will be invited to the UK final to be held at Barnsfield College on Thursday 13th June 2008 or Northumberland College 20th June 2008</p>

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contact details

For technical advice about the competition contact:

Jenefer Bell

Phone: 01670841200 ext 326

Email: jen.bell@northland.ac.uk

For registrations, cancellations, contact

WorldSkills UK Contact Centre:

Phone: 0800 612 0742

Email: worldskillsuk@ukskills.org.uk

competition description

Description of the competition

The scope of the competition covers the main features of the job role. These are:

Hardware Faults

Floppy IDE cable wrong way round / cable not fully inserted

HDD IDE cable wrong way round / cable not fully inserted

Power Cable removed from device

Dislodged Memory

CD ROM jumper from Slave to Master when normally slaved to HDD

Peripheral installation (INTERNAL)

HDD / Additional HDD

Floppy Drive

CD ROM Drive

Memory

NIC / VGA / Sound Card

Power Unit

BIOS

Primary HDD set to none / CD ROM set to none

Parallel Cable disabled

Deleted: entries

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Boot process to CD ROM and FDD only

Peripheral Installation (EXTERNAL)

Printer (Compulsory)
Web Cam / Digital Camera / Scanner
External HDD / CD ROM

Networking Equipment

Hub / Switch
Network Cables (Patch and Crossover)
Create your own cables (Level 3 only)

Software Installation / Troubleshooting

Installation
Peripheral Drivers
Network Components, correct IP / Subnet Mask Address
Share a printer
Operating System
Application Software

At regional level (if a training facility wishes to select their entrant for the Live Final):

Advanced - 2 hours

Number of Faults Types of Fault

Advanced

2-4	Hardware Faults
2-4	Peripheral Installation (INTERNAL)
2	BIOS Amendments
2-4	Peripheral Installation (EXTERNAL)
2	Network Equipment
2-4	Software Installation / Troubleshooting

At national level (Live Final):

Advanced - 3 hours

Number of Faults Types of Fault

Level 3

4-6	Hardware Faults
3-5	Peripheral Installation (INTERNAL)
2-4	BIOS Amendments
3-5	Peripheral Installation (EXTERNAL)

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2-4 Network Equipment
4-6 Software Installation / Troubleshooting

The numbers indicate the amount of faults to be tested in the competition

Marking and assessment

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

Hardware Installation	20%
Software Installation	20%
Hardware Configuration	20%
Software Configuration	20%
Troubleshooting	10%
Health and Safety	10%
Total	100%

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

judging

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

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rules

Scrutinisers will be on the floor at all times to ensure no infringement of the rules takes place. One penalty point will be awarded for each and every infringement of the below rules:

The competition:

- will be wholly or mainly practical
- will be for individuals

The competition will comprise a selection of tasks drawn from the above aspects of ICT Technical Support.

The competition will be provided in the format advised. This will include

- The description of the competition
- The marking criteria
- The material and equipment list

The coverage of the competition should reflect the relative significance of particular ICT Technical Support tasks within the work role.

The competition must be conducted in accordance with the general and specific competition rules.

Conduct for competitors during live competitions

- Competitors will start and finish work as instructed by the judges.
- If there is a power stoppage, breakdown of machinery or accident, the competitors must act according to the instructions of the judges.
- Competitors who break or damage their own equipment during the competition will not receive any additional time.

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what happens next?

live competitions only

Step 1	<ul style="list-style-type: none"> • Register interest • Receive username and password via email Receive welcome pack via email containing: <ul style="list-style-type: none"> • How to host an in-house competition • Competition dates and venues • Competition rules
Step 2	<ul style="list-style-type: none"> • Select competitions to enter
Step 3	<ul style="list-style-type: none"> • Enter competitions & confirm competitors – enter by 28th February 2008 • Receive receipt after entering competitions
Step 4	<ul style="list-style-type: none"> • Complete your local heat by 4th April 2008
Step 5	<ul style="list-style-type: none"> • Send results to Jen Bell by 21st April 2008
Step 6	<ul style="list-style-type: none"> • Competitors are allocated to a Live National Final
Step 7	<ul style="list-style-type: none"> • All competitors will receive either certificates' of participation or winning certificates

If competitors are unable to attend competitions they must cancel their entry by 11th April 2008 to prevent cancellation charges (see competition rules for further details)

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Marking Schedule

Competitor Name	
Competitor Number	
Competition	Hardware and Software Challenge (Advanced)

Aspect ID	Aspect of Criterion - Description	Max Mark	Mark Awarded
A	Hardware Installation	10	
B	Software Installation	10	
C	Hardware Configuration	10	
D	Software Configuration	10	
E	Troubleshooting	5	
F	Health and Safety	5	
		50	

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