



**Cystadleuaeth Sgiliau Cymru**  
**Skills Competition Wales**

## Competition Brief

### Competition Title

Heavy Vehicle Technology

### Competition Overview

Heavy Vehicle Automotive Technicians require a wide variety of specialised skills. They carry out inspections and maintenance on large goods vehicles, test vehicle systems and diagnose faults, as well as advise customers on repair work. They are responsible for producing estimates and maintaining service and maintenance records. Today's technicians use a range of equipment to assist them in their role, from advanced diagnostics to the more traditional spanner and wrench.

In this competition, competitors will be assessed on their skills, knowledge and abilities against current industry standards and working practices. They will need to demonstrate good time management, problem solving and planning skills, as well as prove their ability to collect and analyse information and apply logical techniques to solve problems.

Live competition heats will be held at various venues across Wales.

### Entry Criteria

This competition is for those training for a career in the Automotive Industry and studying towards a Level 2 - 3 qualification or apprenticeship.

Please ensure your entrants have the skills and competencies to complete the task.

### Entry capacity restrictions by organisation

Maximum of up to 2 per location plus maximum of 2 reserves can be registered in case of absence..

This is the maximum number of entries permitted by an organisation for this competition.

This is determined by 'location' and 'organisation'. 'Organisation' refers to the competitors' training provider/employer. 'Location' refers to a site where the competitor studies / is employed. For



further guidance on these capacities, click here

<https://inspiringskills.gov.wales/competitions/frequently-asked-questions>

## **Brief**

The Competition consists of five practical tasks in the areas below:

- Electrical
- Transmission
- ABS
- Engine
- Inspection

Each task is 45 minutes and will be timetabled through the day. There will usually be down time in between tasks for refreshments.

For further information please refer to the Skills Competition Wales website.

## **Infrastructure List**

All equipment needed to complete the task will be available at the competition venue. You will be required to use an oscilloscope, you may bring your own if you require.

## **Competition Rules**

For full terms and conditions of entry and competition rules visit

<https://inspiringskills.gov.wales/terms/registrations-terms-and-conditions>

### **Competition specific rules**

The competitor who is awarded 1st overall will automatically gain a place in the UK regional without having to do the online test. Please note that this is for automotive competitions only.

### **Generic competition rules**

- Mobile phones are to be switched off during competition activity.
- Listening to music via headphones is not permitted during competition activity.
- Any questions during competition activity should be addressed to the competition judging panel.
- Competitors should not communicate with other competitors during competition activity.
- It is the responsibility of each competitor to arrive on time for each competition session. No additional time will be allowed if you arrive late.
- Technical failure of your equipment should be reported immediately to the judging panel. Additional time will be allocated if the fault is beyond the control of the competitor.

## **Marking and Assessment**

Marking and judging of this competition will be done by a team of experts from Industry, Further Education or Training Provider, using a marking criteria and allocated marks to

ensure consistency.

Brief breakdown of marking and assessment.

A	Health & Safety	15%
B	Interpreting Manufacturers Data	10%
C	Correct Completion of Task	75%
	Total	100%

## **Feedback and Recognition**

Individual and Group verbal feedback will be provided at the end of the competition.

No results or awards will be awarded on the day, as marking will be quality assured.

All competitors will be issued with a Participation Certificate and invited to an online Celebration Event which will be held Thursday 14th March 2024, where the First, Second and Third Awards will be announced. Further details will be communicated to competitors and their points of contacts by email.

Marksheets will be made available to competitors after the quality assurance process has been completed.

## **Competition Lead**

### **Lead Contact**

Robert Morse

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## **Briff y Gystadleuaeth**

### **Teitl y Gystadleuaeth**

Technoleg Cerbydau Trwm

### **Trosolwg o'r Gystadleuaeth**

Mae angen amrywiaeth eang o sgiliau arbenigol ar Dechnegwyr Modurol Cerbydau Trwm. Maen nhw'n cynnal archwiliadau a gwaith cynnal a chadw ar gerbydau nwyddau trwm, yn profi systemau cerbydau ac yn dadansoddi diffygion, yn ogystal â chynghori cwsmeriaid ynglŷn â gwaith trwsio. Maen nhw'n gyfrifol am gynhyrchu amcangyfrifon a chynnal cofnodion gwasanaethau a chynnal a chadw. Mae technegwyr heddiw yn defnyddio amrywiaeth eang o offer i'w cynorthwyo yn eu gwaith, o ddiagnosteg uwch i'r sbaner a thyndro mwy traddodiadol.

Yn y gystadleuaeth hon, caiff cystadluewyr eu hasesu ar eu sgiliau, gwybodaeth a gallu yn erbyn safonau diwydiannol ac arferion gwaith cyfredol. Bydd angen iddyn nhw arddangos eu bod yn gallu rheoli eu hamser, datrys problemau a bod ganddyn nhw sgiliau cynllunio da yn ogystal â phrofi eu gallu i gasglu a dadansoddi gwybodaeth a defnyddio technegau rhesymegol i ddatrys problemau.

Cynhelir rowndiau rhagbrofol byw mewn sawl lleoliad ledled Cymru.

### **Meini Prawf Cystadlu**

Mae'r gystadleuaeth hon ar gyfer y rheini sy'n hyfforddi am yrfa yn y Diwydiant Modurol ac sy'n astudio tuag at gymhwyster Lefel 2 - 3 neu brentisiaeth.

Sicrhewch fod gan eich ymgeiswyr y sgiliau a'r cymwyseddau i gyflawni'r dasg.

### **Cyfyngiadau ar nifer y ceisiadau fesul sefydliad**

Uchafswm o hyd at 2 fesul lleoliad a gellir cofrestru uchafswm o 2 wrth gefn rhag ofn absenoldeb.

Dyma'r uchafswm o geisiadau a ganiateir gan unrhyw sefydliad am y gystadleuaeth hon.

Mae hyn yn cael ei bennu fesul 'lleoliad' a 'sefydliad'. Mae 'Sefydliad' yn cyfeirio at ddarparwr hyfforddiant/cyflogwr y cystadleuydd. Mae 'Lleoliad' yn cyfeirio at le mae'r cystadleuydd yn



astudio / cael ei gyflogi. Am fwy o arweiniad ar y niferoedd hyn, cliciwch yma <https://inspiringskills.gov.wales/competitions/frequently-asked-questions?lang=cy>

## **Briff**

Mae'r Gystadleuaeth yn cynnwys pum tasg ymarferol yn y meysydd isod:

- Trydanol
- Trawsyrant
- ABS
- Injan
- Archwiliad

Mae pob tasg yn para 45 munud a byddant wedi'u hamserlennu ar hyd y diwrnod. Fel arfer, bydd amser rhydd rhwng y tasgau er mwyn egwyl ar gyfer lluniaeth. Am fwy o wybodaeth cyfeiriwch at wefan Cystadleuaeth Sgiliau Cymru.

## **Rhestr Seilwaith**

Bydd y cyfan o'r offer fydd eu hangen i gwblhau'r dasg ar gael yn y lleoliad lle cynhelir y gystadleuaeth. Bydd gofyn i chi ddefnyddio osgilosgop, gallwch ddod â'ch un eich hun os ydych yn dymuno.

## **Rheolau'r Gystadleuaeth**

Am restr gyflawn o delerau ac amodau cystadlu a rheolau'r gystadleuaeth ewch i <https://inspiringskills.gov.wales/terms/registrations-terms-and-conditions?lang=cy>

## **Rheolau penodol y gystadleuaeth**

Bydd y cystadleuydd gaiff ei ddyfarnu'n 1af yn ennill lle yn awtomatig yng nghystadleuaeth ranbarthol y DU heb orfod gwneud y prawf ar-lein. Nodwch, os gwelwch yn dda, bod hyn ar gyfer cystadlaethau modur yn unig.

## **Rheolau cyffredinol y gystadleuaeth**

- Dylid diffodd ffonau symudol yn ystod y gystadleuaeth.
- Ni chaniateir gwrando ar gerddoriaeth gyda chlustffonau yn ystod y gystadleuaeth.
- Dylid cyfeirio unrhyw gwestiynau yn ystod y gystadleuaeth at y panel beirniaid.
- Ni ddylai'r cystadleuwyr gyfathrebu gyda chystadleuwyr eraill yn ystod y gystadleuaeth.
- Cyfrifoldeb pob cystadleuydd fydd cyrraedd ar amser ar gyfer pob rhan o'r gystadleuaeth. Pe baech yn cyrraedd yn hwyr, ni roddir amser ychwanegol ichi.
- Pe bai rhyw wall technegol ar eich offer, dylid rhoi gwybod i'r panel beirniaid yn syth. Bydd amser ychwanegol yn cael ei roi os bydd y gwall y tu hwnt i reolaeth y cystadleuydd.

## Marcio ac Asesu

Bydd tîm o arbenigwyr o Ddiwydiant, Addysg Bellach neu Ddarparwyr Hyfforddiant yn marcio a beirniadu'r gystadleuaeth hon, gan ddefnyddio meini prawf marcio a marciau a dyrennir er mwyn sicrhau cysondeb.

Manylion cryno marcio ac asesu.

A	Iechyd a Diogelwch	15%
B	Dehongli Data Gwneuthurwyr	10%
C	Cwblhau Tasg yn Gywir	75%
	Cyfanswm	100%

## Adborth a Chydnabyddiaeth

Bydd adborth llafar, yn unigol ac mewn grŵp, yn cael ei roi ar ddiwedd y gystadleuaeth.

Ni fydd unrhyw ganlyniadau na gwobrau'n cael eu dyfarnu ar y diwrnod oherwydd bydd angen sicrhau ansawdd y marcio.

Bydd pob ymgeisydd yn derbyn Tystysgrif Cyfranogi ynghyd â gwahoddiad i Achlysur Dathlu ar-lein a gynhelir ar Dydd Iau 14eg Mawrth 2024, lle y bydd y Gwobrau Cyntaf, Ail a Thrydydd yn cael eu cyhoeddi. Bydd manylion pellach yn cael eu cyfathrebu i gystadleuwyr a'u personau cyswllt trwy e-bost.

Bydd taflenni marciau ar gael i gystadleuwyr ar ôl cwblhau'r broses sicrhau ansawdd.

## Arweinydd y Gystadleuaeth

### Prif Gyswllt

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