DOMESTIC GAS

NETA

Accredited ACS

Assessment Centre

for

Domestic Gas

Training Options also Available

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Core Domestic Gas Safety: CCN:1

Who will benefit
Operatives involved in the installation or maintenance of gas appliances and pipework installations.

Introduction
To provide operatives with knowledge and skills relating to safety regulations, procedures and British Standards which must be applied when working on gas installations.

What will be covered:
- Gas safety regulations, British Standards and manufacturers instructions
- Emergency actions, procedures, labels and warning notices
- Unsafe situations, landlord checks and related documentation
- Combustion, gas rates, burner/ installation pressures
- Testing for soundness, purging and relighting appliances
- Pipework and fittings
- Operation of appliance gas safety devices and controls
- Ventilation
- Flueing standards, installation and testing

Duration
Five days, beginning at 9 am, finishing at 4.30pm.

Course Fee
£400.00

Additional Information:
The content of this course is prerequisite knowledge for the various appliance courses. Practical and theoretical exercises will form part of the course. On completion of this course candidates can book ACS assessments as soon as they feel ready.

Important Please Note:
This training is only suitable for candidates who fall within category 2.

Re-Assessment of Assessment Training

Who will benefit:
Experienced operatives requiring a refresher course.

Introduction
Candidates will undertake training to update / refresh their knowledge relating to the safety regulations, procedures and British Standards required when working on gas installations.

What will be covered:
Update on:
- Gas safety regulations, British Standards and manufacturers instructions
- Emergency actions, procedures, labels and warning notices
- Unsafe situations, landlord checks and related documentation
- Combustion, gas rates, burner / installation pressures
- Testing tightness, purging and relighting appliances
- Pipework and fittings
- Operation of appliance gas safety devices and controls
- Ventilation
- Flueing standards, installation and testing
- Installation requirements, suitable positions, suitable connections
- Operation of Safety components and controls
- Appliance servicing
- Recognition of appliance defects
- Appliance commissioning checks

Duration
2½ days, beginning at 9.00am and finishing at 4.30pm

Course Fee
£250 per person (includes CCN:1 + Appliances)

Assessments

Core Domestic Gas Safety: CCN:1

Introduction
This Assessment is designed to test the gas safety competence of an operative in core domestic gas work.

Assessment Covers
- Gas Safety Legislation
- Gas Emergency Actions and Procedures
- Characteristics of Combustion
- Ventilation
- Installation of Pipework and Fittings
- Test for Soundness
- Checking and/or setting Meter Regulators
- Identifications of Unsafe Situations
- The Operation of and Positioning of Emergency Isolation Controls and Valves
- Emergency Notices and Warning Labels
- Checking and Setting Appliance Burner Pressures and Gas Rates
- The Operation and Checking of Appliance Gas Safety Devices and Controls
- Flueing Standards
- Flue Testing
- Installation of Open, Balanced and Fan Assisted Flue Assemblies
- Re-establish Existing Gas Supply and Relight Appliances

Appliance Range
All Domestic Gas fittings

Pre-requisites
Entrants must be from Category 1 or 2 (see appendix 1) with relevant qualifications. The Core Domestic Gas Safety Course/assessment is in itself a pre-requisite for all the other gas assessments.

Certification
On successful completion of the assessment, candidates' results will be forwarded to the relevant Certification body, who will issue a Nationally Recognised Certificate of competence and enter the candidate's name onto the GAS SAFE register of competent operatives for this scope of work.

Duration
This assessment will be of 3 days duration

Course Fees
£450 - if a resit is required fees are charged at £100 per day or part thereof

IMPORTANT
The content of CCN:1 is based on pure assessment. **There is no training element**. If you require training, please see the training section in the back of this brochure

Re Assessment of Assessment Assessment

This tailored re-assessment for domestic work will cover changes in legislation, standards and technology demonstrated across the range of appliances. Also the re-assessment will ensure that operatives have retained their gas safety competence with regard to carrying out gas work safely and commissioning appliances, eg gas tightness, ventilation and flueing, and the ability to recognise and take action to remove dangerous and at risk situations

Who will benefit
Experienced operatives requiring re-assessment

What will be covered
Re-assessment will include: -

- CCN:1 Core Domestic Gas Safety - Basic gas safety issues

  PLUS

  Appliance specific safety issues associated with the installation, maintenance and repair of appliances.

Duration
2½ days beginning at 9 am, finishing at 4.30pm.

Course Fee
£300 forCCN:1 plus £115 per Appliance
Discount may apply for further appliance assessment. Please ask for further details.

Additional Information
Candidates must indicate which appliances they will require re-assessment for at time of booking.

Training Options

CoCDN 1
Change over from Commercial to Domestic Natural Gas Core

Who will benefit:
Experienced Commercial Operatives requiring to work in domestic dwellings.

Introduction
Candidates will undertake training to update / refresh their knowledge relating to the safety regulations, procedures and British Standards required when working on gas installations.

What will be covered:
Update on:

- Gas safety regulations, British Standards and manufacturers instructions
- Emergency actions, procedures, labels and warning notices
- Unsafe situations, landlord checks and related documentation
- Combustion, gas rates, burner / installation pressures
- Testing tightness, purging and relighting appliances
- Pipework and fittings
- Operation of appliance gas safety devices and controls
- Ventilation
- Flueing standards, installation and testing
- Installation requirements, suitable positions, suitable connections
- Operation of Safety components and controls
- Appliance servicing
- Recognition of appliance defects
- Appliance commissioning checks

Duration
2½ days, beginning at 9.00am and finishing at 4.30pm

Course Fee
£250 per person

Assessments

CoCDN 1
Change over from Commercial to Domestic Natural Gas Core

This tailored assessment for domestic work will cover changes which a commercial operative will encounter when working in a domestic dwelling

Who will benefit
Experienced Commercial Operatives requiring to work in domestic dwellings.

What will be covered
Will include: -

- CCN:1 Core Domestic Gas Safety - Basic gas safety issues

Duration
2½ days beginning at 9 am, finishing at 4.30pm.

Course Fee
£ 375

Additional Information
Candidates must hold a certificate of competence for COCN:1

Also Available - Domestic Gas Safety Appreciation

Who will benefit
Officers of the local authority, landlords, surveyors, maintenance managers, involved with property and the requirements of gas safety legislation.

Purpose
To provide officers with basic knowledge of safety regulations, procedures and requirements of companies managing Gas Safety in looking for defective gas installations and managing contractors.

What will be covered:	
❖ Gas safety regulations, interpretation and examples of contravention's	❖ Ventilation requirements
❖ Competence requirements of gas installers	❖ Domestic appliances
❖ Basic combustion	❖ Domestic installations
❖ Flue recognition	❖ Unsafe situations

Additional Information
Delegates will be required to complete written assessments. On completion delegates will be given a certificate of attendance.

Duration
Two days, beginning at 9.00am and finishing at 4.00pm

Course Fee £200 per person per day

Approved Prior Learning (APL)

Who will benefit
This course has been developed for candidates who have had previous work experience in trades associated with the gas industry. The candidates will have experience in areas of work which can be taken as Approved Prior Learning (APL) such as plumbing.

Purpose
The aim of the course is to ensure the candidate has the relevant basic underpinning gas safety knowledge and practical ability to work safely in the gas industry. The Approved Prior Learning (APL) programme has been recognised by GAS SAFE as meeting their entry requirements to the ACS scheme, which is the pre-requisite competence qualification required for GAS SAFE registration. On completion of successful training the candidate should be ready to enter the ACS assessment.

What will be covered:
The programme is broken down into three different areas as shown below:-

"Centre Based Training"

Theory	An in-depth theory training course covering GSIUR legislation, standards and other aspects of gas safety theory.
Practical	Carrying out various practical tasks which will give the candidate a robust understanding of the typical appliance types and scenarios involving appliances to allow the candidate sufficient knowledge and skills to work safely.
Assessment	Undertaking three written and one practical summative assessment.

"On Site Portfolio"
To be carried out under the guidance of qualified GAS SAFE registered engineers who will be acting as a work mentor. This will allow the candidate to carry out a range of works on a variety of appliances allowing for differing manufacturers and models. Whilst accompanying the candidate, the engineer will note if the candidate has learnt the tasks taught during the centre based training sufficiently. This will need to be signed off by the centre before proceeding to the next stage.

"ACS Assessment"
Upon successful completion of the training, summative assessments and on-site portfolio, candidates should be ready to enter the ACS assessment in their chosen field; although for some appliance types further training may be required.

Additional Information
- ❖ Candidates will be required to carry out a pre-course technical interview/assessment to determine whether or not a candidate has the appropriate background in order to attend this course.
- ❖ Testimonials will be taken from the candidates' previous employers/customers to confirm the APL.
- ❖ On successful completion of the training course, a LOGIC Certification Certificate of Training/Attendance will be issued.

Duration
The duration of the course is typically 30 days, however this is dependent upon the experience and knowledge of the candidate and, the quality of the work experience available to the candidate required to build their on-site portfolio.

Course Fee
£2,500 per person (for 30 days)

Training Options

CoNGLPG:1 Fuel Changeover Unit

Who will Benefit
Operatives who hold a current Core Domestic Gas Safety CCN1 or Core Commercial Gas Safety Certificate and wish to up-grade this to allow them to carry out installation and maintenance work on Liquefied Petroleum gas appliances and installations.

Introduction
To provide operatives with the additional knowledge and skills, relating to working on Liquefied Petroleum Gas Appliances and Installations.

What will be covered:
- Characteristics of Liquefied Petroleum Gas.
- Cylinder Locations, Safety Requirements and Sizing for Single Supply.
- LPG Supply Pressures, The operation and positioning of Emergency Isolation Flow Controls and Valves.
- Gas Emergency Actions and Procedures.
- Installation of Pipework and Fittings Related to LPG.
- Test for Soundness.
- Checking System Pressures, Regulators, Under Pressure and Over Pressure Cut Off Valves.
- Ventilation Related to LPG Installations.

Duration
Two days beginning at 9 am and finishing at 4 pm.

Course Fees
£200.00

Additional Information
Entrants must be able to provide satisfactory Evidence showing that they have successfully completed tile Core Domestic Gas Safety Assessment CCN:I or the Core Commercial Gas Safety Assessment COCN:1. before being accepted for this course.

Assessments

CoNLPG:1 Fuel Changeover Unit

This assessment is designed for those operatives who have successfully completed the Core Domestic Gas Safety Assessment CCN:I or the Core Commercial Gas Safety Assessment COCN.1and wish to up-grade their certification to allow them to work on Liquefied Petroleum Gases.
It will test the gas safety competence of the operative only in those areas where specific differences occur and will not re-assess any work previously covered by the above assessments.

Assessment Covers.
- Characteristics of Liquefied Petroleum Gas.
- Cylinder Locations, Safety Requirements and Sizing for Single Supply.
- LPG Supply Pressures, The operation and positioning of Emergency Isolation Flow Controls and Valves.
- Gas Emergency Actions and Procedures.
- Installation of Pipework and Fittings related to LPG.
- Test for Soundness.
- Checking System Pressures, Regulators, Under Pressure and Over Pressure Cut Off Valves.
- Ventilation Related to LPG Installations.

Appliance Range.
All domestic liquefied petroleum gas fittings.

Pre- requisites.
Entrants Must be able to provide satisfactory' Evidence showing that they have successfully completed the Core Domestic Gas Safety Assessment CCN:1or the Core Commercial Gas Safety Assessment COCN.1.

Certification
On successful completion of the assessment, candidates' results will be forwarded to the relevant Certification body, who will issue a Nationally Recognised Certificate of competence and enter the candidate's name onto the GAS SAFE register of competent operatives for this scope of work.

Duration
This assessment will be of 1day duration.

Course Fees
£150.00 - This fee includes certification costs. Please note that if a candidate fails to complete the assessment in the time allowed, or requires a resit, fees are charged at £100 per day or part thereof.

CORE NATURAL GAS TO LPG CHANGEOVER UNITS

Appliances

Training Options

CKR:1 - Gas Cooker

Who will benefit
Operatives involved in the installation or maintenance of gas cooker.

Purpose
To provide operatives with the knowledge and skill relating to the installation, exchange, disconnection services and repair of domestic gas cooker.

What will be covered
- Gas safety regulations, British Standards and manufacturers instructions
- Installation requirements, suitable positions, suitable connections
- Operation of Safety components and controls
- Appliance servicing
- Recognition of appliance defects
- Appliance commissioning checks

Duration
One day, beginning at 9.00am and finishing at 4.30pm

Course Fee
£100 per person

Additional Information
Candidates must have a current certificate for CCN:1. Practical and theoretical exercises will form part of the course.

HTR:1 - Gas Fires & Wall Heaters

Who will benefit
Operatives involved in the installation or maintenance of gas fires & wall heaters.

Purpose
To provide operatives with knowledge and skill relating to installation, exchange, disconnection. service and repair of domestic gas fires and wall heaters.

What will be covered
- Gas safety regulations, British Standards and manufacturers instructions
- Installation requirements, suitable positions, suitable connections
- Operation of Safety components and controls
- Appliance servicing
- Recognition of appliance defects
- Ventilation requirements
- Flue testing and terminal positions
- Fuel bed arrangements
- Appliance commissioning checks

Duration
One day, beginning at 9.00am and finishing at 4.30pm

Course Fee
£100 per person

Additional Information
Candidates must have a current certificates for CCN:1 and CPA1. Practical and theoretical exercises will form part of the course.

Assessments

CKR:1 - Gas Cooker

Introduction
This assessment is designed to test the knowledge, understanding and practical competence of operatives working on any type of domestic gas cooker.

Appliance Range
Free standing and slide-in cooker, built-in hotplates, built-in/under ovens and grill units.

Assessment Covers
- Installation of appliances to existing capped of supply
- Commissioning
- Service and Repair

Pre-requisites
Candidates must hold a certificate of competence in Core Gas Safety Assessment before they can undertake this assessment.

Certification
On successful completion of the assessment, candidates' results will be forwarded to the relevant Certification body, who will issue a Nationally Recognised Certificate of competence and enter the candidate's name onto the GAS SAFE register of competent operatives for this scope of work.

Duration
The duration of this assessment will be 1 day

Course Fees
£150 - This fee includes certification costs. Please note that if a candidate fails to complete the assessment in the time allowed, or requires a resit, fees are charged at £100 per day or part thereof.

HTR:1 - Gas Fires & Wall Heaters

Introduction
This assessment is designed to test the knowledge, understanding and practical competence of operatives working on all types of fires and wall heaters.

Appliance Range
Open flued gas fires (radiant/convector), open flued inset live fuel effect gas fire (ILFE), open flued decorative fuel effect gas fire (DFE) balanced flued gas fire and balanced fan assisted wall heater.

Assessment Covers
- Check open flue system
- Install radiant type appliances
- Install inset type appliances
- Install balanced / fan assisted type appliances
- Commissioning
- Service and identify faults on Radiant and Inset type appliances

Pre-requisites
Candidates must hold a current certificates of competence in Core Domestic Gas Safety and CPA1 before they can undertake this assessment.

Certification
On successful completion of the assessment, candidates' results will be forwarded to the relevant Certification body, who will issue a Nationally Recognised Certificate of competence and enter the candidate's name onto the GAS SAFE register of competent operatives for this scope of work.

Duration
The duration of this assessment is 1 day.

Course Fees
£150 - This fee includes certification costs. Please note that if a candidate fails to complete the assessment in the time allowed, or requires a resit, fees are charged at £100 per day or part thereof.

Training Options

WAT:1- Instantaneous Water Heaters

Who will benefit
Operatives involved in the installation or maintenance of gas instantaneous water heaters.

Purpose
To provide operatives with knowledge and skill relating to installation, exchange, disconnection. service and repair of domestic gas instantaneous water heaters.

What will be covered
- Gas safety regulations, British Standards and manufacturers instructions
- Installation requirements, suitable positions, suitable connections
- Operation of Safety components and controls
- Appliance servicing
- Recognition of appliance defects
- Balanced flue assembly, flue testing, case seals and terminal positions.
- Ventilation requirements
- Appliance commissioning checks

Duration
One day, beginning at 9.00am and finishing at 4.30pm

Course Fee
£100 per person

Additional Information
Candidates must have a current certificate for CCN:1. Practical and theoretical exercises will form part of the course.

CEN:1 - Wet Central Heating

Who will benefit
Operatives involved in the installation or maintenance of gas fired central heating/hot water boilers and circulators upto 70kw nett.

Purpose
To provide operatives with knowledge and skills relating to installation, exchange, disconnection. service and repair of domestic gas central heating/hot water boilers and circulators upto 70kw nett .

What will be covered
- Gas safety regulations, British Standards and manufacturers instructions
- Installation requirements, suitable positions, suitable connections
- Operation of Safety components and controls
- Appliance servicing
- Recognition of appliance defects
- Flue assembly, flue testing and the importance of case seals
- Ventilation requirements
- Appliance commissioning checks

Duration
One day, beginning at 9.00am and finishing at 4.30pm

Course Fee
£100 per person

Additional Information
Candidates must have a current certificates for CCN:1 and CPA1. Practical and theoretical exercises will form part of the course.

Assessments

WAT:1- Instantaneous Water Heaters

Introduction
This assessment is designed to test the knowledge, understanding and competence of operatives working on all types of water heaters

Appliance Range
Flueless instantaneous water heaters (input not exceeding 12kw) and open flued, balanced and fan flued instantaneous water heaters (input exceeding 12kw).

Assessment Covers
- Installation of Balanced Flue Appliances
- Commissioning
- Service and identification of faults on appliances

Pre-requisites
Candidates must hold a current certificate of competence in Core Domestic Gas Safety or before they can undertake this assessment.

Certification
On successful completion of the assessment, candidates' results will be forwarded to the relevant Certification body, , who will issue a Nationally Recognised Certificate of competence and enter the candidate's name onto the GAS SAFE register of competent operatives for this scope of work.

Duration
Duration of this assessment will be 1 day

Course Fees
£150 . - This fee includes certification costs. Please note that if a candidate fails to complete the assessment in the time allowed, or requires a resit, fees are charged at £100 per day or part thereof.

CEN:1 - Wet Central Heating

Introduction
This assessment is designed to test the knowledge, understanding and competence of operatives working on all types of Wet Central Heating Systems.

Appliance Range
Open flued, balanced flued (natural draught & fan assisted) central heating/hot water boilers and circulators, condensing boilers, back boiler units, combination boilers and combination units.

Assessment Covers
- Installation of balanced flue central heating boilers and connection to existing services
- Commissioning
- Service and identification of faults on open flued appliances

Pre-requisites
Candidates must hold a current certificates of competence in Core Domestic Gas Safety and CPA1 before they can undertake this assessment.

Certification
On successful completion of the assessment, candidates' results will be forwarded to the relevant Certification body, who will issue a Nationally Recognised Certificate of competence and enter the candidate's name onto the GAS SAFE register of competent operatives for this scope of work.

Duration
Duration of this assessment will be 1 day.

Course Fees
£150 . - This fee includes certification costs. Please note that if a candidate fails to complete the assessment in the time allowed, or requires a resit, fees are charged at £100 per day or part thereof.

Training Options

LAU:1 - Laundry Appliance

Who will benefit
Operatives involved in the installation or maintenance of Domestic Laundry Appliances (Tumble Dryers).

Purpose
To provide operatives with the knowledge and skill relating to the installation, exchange, disconnection services and repair of domestic Laundry Appliances.

What will be covered
- Gas safety regulations, British Standards and manufacturers instructions
- Installation requirements, suitable positions, suitable connections
- Operation of Safety components and controls
- Appliance servicing
- Recognition of appliance defects
- Appliance commissioning checks

Duration
One day, beginning at 9.00am and finishing at 4.30pm

Course Fee
£100 per person

Additional Information
Candidates must have a current certificate for CCN:1. Practical and theoretical exercises will form part of the course.

DAH:1 - Ducted Air Heaters

Who will benefit
Operatives involved in the installation or maintenance of gas fired ducted warm air.

Purpose
To provide operatives with knowledge and skill relating to installation, exchange, disconnection. service and repair of domestic gas fired ducted warm air.

What will be covered
- Gas safety regulations, British Standards and manufacturers instructions
- Installation requirements, suitable positions, suitable connections
- Operation of Safety components and controls
- Appliance servicing
- Recognition of appliance defects
- Flueing requirements and testing
- Return air arrangements
- Ventilation
- Appliance commissioning checks

Duration
One day, beginning at 9.00am and finishing at 4.30pm

Course Fee
£100 per person

Additional Information
Candidates must have a current certificate for CCN:1. Practical and theoretical exercises will form part of the course.

Assessments

LAU:1 - Laundry Appliance

Introduction
This assessment is designed to test the knowledge, understanding and practical competence of operatives working on any type of domestic laundry appliances.

Appliance Range
Free standing Laundry Appliance (Tumble Dryers).

Assessment Covers
- Installation of appliances to existing capped of supply
- Commissioning
- Service and Repair

Pre-requisites
Candidates must hold a certificate of competence in Core Gas Safety Assessment before they can undertake this assessment.

Certification
On successful completion of the assessment, candidates' results will be forwarded to the relevant Certification body, who will issue a Nationally Recognised Certificate of competence and enter the candidate's name onto the GAS SAFE register of competent operatives for this scope of work.

Duration
The duration of this assessment will be 1 day

Course Fees
£150.00 . - This fee includes certification costs. Please note that if a candidate fails to complete the assessment in the time allowed, or requires a resit, fees are charged at £100 per day or part thereof.

DAH:1 - Ducted Air Heaters

Introduction
This assessment is designed to test the knowledge, understanding and competence of operatives working on all types of gas fired ducted warm air systems

Appliance Range
All domestic warm air heaters with an output not exceeding 60 kw

Assessment Covers
- Gas safety regulations, British Standards and manufacturers instructions
- Installation requirements, suitable positions, suitable connections
- Operation of Safety components and Controls
- Appliance servicing
- Recognition of appliance defects
- Flueing requirements and testing
- Return air arrangement
- Ventilation
- Appliance commissioning checks

Pre-requisites
Candidates must hold a current certificate of competence in Core Domestic Gas Safety before they can undertake this assessment.

Certification
On successful completion of the assessment, candidates' results will be forwarded to the relevant Certification body, who will issue a Nationally Recognised Certificate of competence and enter the candidate's name onto the GAS SAFE register of competent operatives for this scope of work.

Duration
Duration of this assessment will be 1 day.

Course Fees
£150.00 - This fee includes certification costs. Please note that if a candidate fails to complete the assessment in the time allowed, or requires a resit, fees are charged at £100 per day or part thereof.

Training Options

MET:1 - Gas Meters

Who will benefit
Operatives involved in the installation exchange, removal and commissioning of gas meters.

Purpose
To provide operatives with knowledge and skill relating to the installation, exchange removal and commissioning of gas meters,

What will be covered
- Gas safety regulations, British Standards and manufacturers instructions
- Installation requirements, suitable positions, suitable connections
- Labels and notices
- Meter regulators, operation and checking
- Soundness testing and purging

Duration
1/2 day, beginning at 9.00am and finishing at 4.30pm

Course Fee
£50 per person

Additional Information
Candidates must have a current certificate for CCN:1. Practical and theoretical exercises will form part of the course.

Example of an analyser kit

CPA: 1 - Combustion Performance Analysis

Who will benefit
GAS SAFE-registered engineers who need to perform flue gas analysis on domestic gas appliances.

Purpose
This course qualifies GAS SAFE-registered engineers to perform flue gas analysis on domestic gas appliances. More and more manufacturers require this test during the commissioning and servicing of their appliances.

What will be covered
- Functions of a Combustion Analyser
- The use of an analyser when investigating the presence of Carbon Monoxide
- Useing the Analyser as an aid when commissioning and servicing gas appliances.

Duration
Duration of the training will be ½ day

Course Fee
£50 per person

Additional Information
This qualification is mandatory for all gas engineers that use an analyser in their day-to-day work.

It is also now pre-requiste for HTR1 and CEN1 units

Assessments

MET:1 - Gas Meters

Introduction
This assessment is designed to test the knowledge, understanding and competence of operatives in the work of install, exchange, remove and commission domestic gas meters.

Range of Meter
Primary or secondary meter up to 6 cubic meters per hour capacity, U6 or E6. The assessment will also include the installation, testing and commissioning of high pressure regulations and associated valves and fittings.

Assessment Covers:
- Meter installation, removal and exchange
- Checking/ setting meter regulation
- Emergency notices and warning labels
- Sealing of regulators and emergency control valves
- Fitting, testing and commissioning of medium pressure regulators and valves (Pressures greater than 75 millibar)

Pre-requisites
Candidates must hold a current certificate of competence in Core Domestic Gas Safety before they can undertake the meter assessment

Certification
On successful completion of the assessment, candidates' results will be forwarded to the relevant Certification body , who will issue a Nationally Recognised Certificate of competence and enter the candidate's name onto the GAS SAFE register of competent operatives for this scope of work.

Duration
Duration of this assessment will be 1/2 day

Course Fees
£75 per person

CPA: 1 - Combustion Performance Analysis

Who will benefit
GAS SAFE-registered engineers who need to perform flue gas analysis on domestic gas appliances.

Purpose
This course qualifies GAS SAFE-registered engineers to perform flue gas analysis on domestic gas appliances. More and more manufacturers require this test during the commissioning and servicing of their appliances.

What will be covered
- Functions of a Combustion Analyser
- The use of an analyser when investigating the presence of Carbon Monoxide
- Useing the Analyser as an aid when commissioning and servicing gas appliances.

Duration
Duration of the Assessment will be ½ day

Course Fee
£75 per person

Additional Information
This qualification is mandatory for all gas engineers that use an analyser in their day-to-day work.

It is also now pre-requiste for HTR1 and CEN1 units

Also Available

Unvented Hot Water Systems

Introduction
This training and assessment is designed to test the competence of operatives working in the installation and maintenance of unvented hot water systems.

Training/Assessment Covers	
❖ The various forms of domestic hot water systems for dwellings, small public buildings, small industrial and commercial premises	❖ Methods of protecting unvented bulk storage domestic hot water units from excessive pressure and excessive temperature
❖ Purpose of unvented bulk storage domestic hot water systems	❖ Installation requirements
❖ Working Principles of the system	❖ Commissioning and Testing
❖ Sources of reference, statutory requirements and codes of practice relating to the installation of unvented bulk storage domestic hot water systems	❖ Common faults and corrective and preventative measures
❖ Various types of unvented domestic hot water systems	❖ Purpose and functional requirements of sealed hot water heating systems
❖ Working principles of the various type of domestic hot water systems	❖ Location application and purpose of various components, their working principles and installation requirements

Appliance Range
All domestic fittings

Pre-requisites
Ideally candidates will have some plumbing experience. Those candidates wishing to work with gas fired equipment will also require the appropriate qualification for the industry i.e. ACS certification.

Certification
NETA is a Lifestyle approved centre for the delivery of this training/assessment. On successful completion of the assessment, candidates will receive a certificate of Competence. Results will be forwarded to the awarding body for inclusion in the national database. Re-assessment is required every 3 years.

Duration
1 day Training
1 day Assessment

Course Fees
£220 per person

Gas Managment

Who will benefit
Head of works, facilities managers and anyone with management responsibility for gas operatives & contractors

Purpose
To provide an awareness of a gas operatives duty to comply with gas safety (Installation and Use) regulations 1998, for managers and supervisors regardless of their trade background.

What will be covered
- ❖ Gas safety regulations, interpretation and examples of contravention's
- ❖ Legal requirements
- ❖ Qualification and Supervision
- ❖ Dealing with contractors
- ❖ Work Recrods
- ❖ Work Records and Inspection
- ❖ The Industry Unsafe Practices
- ❖ Responsibilities

Optimum Number
The maximum number of delegates is 10.

Additional Information
On completion delegates will be given a certificate of attendance.

Duration
One day, beginning at 9.00am and finishing at 4.00pm

Course Fee
£150 per person per day - In NETA centre £600 per day plus instructors expenses - On Site

Solar Domestic Hot Water Systems

Overview

Solar hot water systems use basic principles and components to capture incoming solar radiation and heat water for domestic and other uses. Over the years, a variety of system designs have been developed and tested to meet specific consumer needs and environmental conditions.

Solar hot water systems are most commonly used to heat water for basic household needs such as laundry, bathing, dishwashing and cooking. These systems are commonly referred to as "domestic hot water systems".

A solar domestic hot water system reduces fuel bills by collecting solar energy for heating water. This reduces the dependence on fossil fuels and cuts CO^2 emissions

Training and Assessment Covers: -

This course details two of the main system designs widely installed throughout the UK

Main topics include: -

- Solar Thermal Overview and considerations
- Solar Collector Types and British Standards
- Solar Thermal Store Options
- Solar Thermal Primary Circuit Designs
- Solar Primary Controls
- Solar Collector Sizing and Integration
- Installation Materials and Fittings
- Filling, Commissioning and Maintenance

The following are some of the areas covered under these topics

- Internal and external survey
- Design and Integration
- Health and Safety implications
- System sizing
- Position
- Planning and Access
- DHW storage size
- Electrical connections
- Location of solar components
- Efficient usage
- Fault finding

Certification

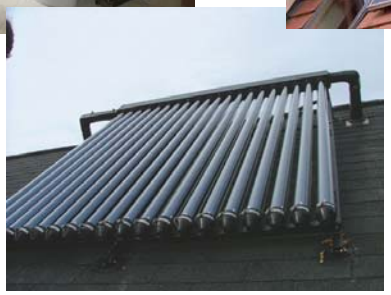
On successful completion of the course delegates will receive a logic certificate which can be used towards the Micro Regeneration Certification Scheme

Duration

Duration of the course is 2 days

Course Fees

£275 per person



APPENDIX

READING LIST

The Gas Safety (Installation & Use) Regulations 1998 (as amended)

HSC Document Safety in the installation and use of gas systems and appliances (approved code of Practice and Guidance)

The Gas Safety (Rights of Entry) Regulations 1996

Gas Industry Unsafe Situation Procedure

Building Regulations Documents F and J

COSHH Regulations - (Control of Substances Hazardous to Health)

RIDDOR - (Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 1995)

IGE / UP / 7 Edition 2 Gas Installations in Timber Framed Buildings

THE FOLLOWING BRITISH STANDARDS

BS 5440 - Part 1 2008 Part 2 2000	*Installation of flues and ventilation for gas appliances of rated input not exceeding 60kw*
BS 5871 - 2005 Part 1, 2, 3 & 4	*Installation of gas fires, convector heaters, fire/back Boilers and decorative fuel effect fires*
BS 6400 - 2006 Part 1, 2, Part 3 2007	*Installation of domestic gas meters (1st, 2nd & 3rd family gasses)*
BS 6172 - 2004	*Installation of domestic gas cooking appliances (1st, 2nd & 3rd family gasses)*
BS 6798 - 2000	*Installation of gas fired hot water boilers of rated input not exceeding 60kw*
BS 6891 - 2005	*Installation of low pressure gas pipework up to 28mm (RI) In domestic premises (2nd family gas)*
BS 699 - 1988 Part 2	*Flexible hoses, end fittings and sockets for gas burning appliances*
BS 5546 2000	*Domestic Hot Water Supplies Gas Fires*
BS 5864	*Domestic Air Heaters*
IGE /UP/1B	*Edition 2, 2006 Tightness Testing & Purging of domestic sized natural gas installations*
BS 7967 Part 1, 2, 3, & 4	*Carbon Monoxide in Dwellings*

GAS SAFE REGISTER - *Essential Gas Safety manual*

Appendix 1

Operative Application

The following information is designed to provide guidance to operatives seeking to take ACS Assessments and to clarify which Category of Application is appropriate to their gas fitting qualifications and/or gas safety certificates and gas work experience.
Category 1, 2 and 3 Application Conditions

Category 1

Experienced gas-fitting operatives from within or outside of the United Kingdom who are:

- Seeking to renew expired or expiring certificates of gas safety competence i.e. HSC, ACoP, ACS or Gas Services N/SVQ's
- Seeking assessment and certification to extend their range of gas work;
- Foreign nationals seeking to obtain certificates of gas safety competence that will allow them to meet United Kingdom gas work requirements. Operatives in this category need to provide evidence of their gas fitting qualifications and experience and all information needs to be translated into English, where appropriate.

Category 2

Candidates have to provide evidence that qualifications are held which are relevant to the area(s) of gas work where they are seeking to acquire certification. These qualifications must show that competence has been achieved in the generic work activities associated with fossil fuelled appliances / equipment and / or pipe work installation, including any of the following work activities, flueing or ventilation or the installation, maintenance or commissioning of such appliances.

Examples of appropriate qualifications include:

- Plumbing craft qualification or N/SVQ (oil and/or solid fuel options) - suitable initially for domestic or commercial central, water heating or pipework installation.
- Pipe Fitter/Welder craft qualification or N/SVQ - suitable initially for commercial pipe work, pipework commission ing and meter installation.
- Heating and Ventilation craft qualification or N/SVQ - suitable initially for commercial pipe work and appliance installation.
- Refrigeration Engineer/Fitter craft qualification or N/SVQ - suitable initially for commercial appliance and pipe work installation.

In addition to appropriate qualifications candidates need to provide written evidence confirming that "on the job" gas installation and/or maintenance training has been undertaken and that any experience of gas work gained has been carried out under the direct supervision of a competent operative, employed by a GAS SAFE registered company. Such written evidence will need to be provided from the employer and detail precisely the areas of gas work undertaken.

Category 3

These candidates are new entrants into the gas industry and are unable to provide details of relevant qualifications and/or experience. These will be individuals who are classed as entering the industry for the first time, or changing career direction

Candidates in this category should be advised to seek training and experience that will result in the attainment of a National/Scottish Vocational Qualification (N/SVQ) in Gas Services, Installation and Maintenance at Level 2 or 3, or obtain employment with a GAS SAFE registered business who is willing to provide an auditable extended period of company "in house" gas training programme together with the necessary organisational support prior to undertaking ACS assessment.

The duration and content of the training programme will be determined by the scope of gas work being undertaken. Evidence in the form of a portfolio following completion of such training must be presented to the assessment centre before a candidate can undertake assessments.

Alternatively an N/SVQ within the Mechanical Engineering Sector with related on the job gas training and experience in the intended areas of gas work to be carried out will also support a future application.

NB Information taken from GAS SAFE website

This Course is one of many provided by NETA Training Group.

Other Courses include:

Scaffolding
Instrumentation
Electrical/Electronic
Hazardous Area Training (COMP'EX')
AM2
Mechanical/Fabrication
Welding/Welder Testing
Lifting/Slinging
Health & Safety
Safety Passport
Management/Supervisory
Assessor Training
Pneumatics and Hydraulics
Transport
ADR Hazchem
Lorry Loader
Driver CPC

In addition to the standard courses available NETA offer customised training. Short Courses and extended training programmes can be designed and developed to meet individual client requirements.

for more information please contact our Sales Team on 01642 616936

For information on forthcoming Courses Examination Dates / Times or a full range of courses contact:

NETA Training Group
Sales Department
Pennine Avenue
North Tees Industrial Estate
Stockton
TS18 2RJ
Tel: 01642 616936
Fax: 01642 612431
email enquiries@neta.co.uk website www.neta.co.uk

Meeting the needs and expectations of service users is of the highest priority to our staff. Therefore if you have any concerns or wish to make a comment about the service please contact: Barbara Seddon email ***b.seddon@neta.co.uk***

Equal Opportunities Statement
It is our aim that there shall be equal opportunities in this organisation. There will be no discrimination on grounds of sex, being married, colour, race or disability which is not permitted by law; or on any grounds, including age, except where this is necessary to ensure that the job is done effectively. This principle will apply to recruitment, training, promotion, dismissal, transfer and all other benefits, terms and conditions of employment.