

# ACS.HTR1 SAFETY ASSESSMENT CRITERIA INITIAL.DOMESTIC NATURAL GAS & LPG GAS FIRES AND WALL HEATERS



## Introduction

Tests gas safety competence to install, exchange, commission, disconnect, service, repair and break down domestic open, balanced fan assisted flued gas fires, wall heaters, convector heaters, stoves and flueless gas fires with and without catalytic converters.

CBs may adopt Competence and Criteria numbering different to that used in this document.

CB documentation may adopt wording for criteria different to that used in this document, provided the meaning is unaffected.

### Appliance range

Open flue gas fire (radiant/convector), open flue ILFE fires, open flue DFE fires, convector heaters and stoves, balanced flue gas fires and balanced fan assisted wall heater and flueless gas fires with and without catalytic converters.

### **Pre-requisites**

CCN1 (taken since April 2012) OR equivalent change over elements or QCF or S/NVQ.

## Exclusions

Fire surrounds, hearths, construction work with masonry or bricks on chimneys, penetrating structures for flues and electricity.

### **References and normative documents**

Appliance MIs.

All relevant documents as listed in the Legislative, Normative & Informative Document List (LINDL), Inc.:

- HSL56
- BS 5871-1, 2, 3 and 4
- BS 5440-1
- BS 7967
- GIUSP.

ACS.SMB. 003.ACDND identifies Normative Documents that should be held by ACs.

#### Abbreviations

AC. Assessment Centre DFE. Decorative fuel effect FSD. Flame supervision device I. Initial ILFE. Inset live fuel effect MIs. Manufacturer's/manufacturers' instructions OP. Operating pressure Ref. Reference. 

PER	FORMANCE CRITERIA	REF	I
1.	check fire place opening and hearth construction and dimensions conform to requirements		$\checkmark$
2.	check chimney/flue is complete throughout its length and is correctly terminated		✓
3.	use smoke test to confirm that flue discharges correctly only to atmosphere		$\checkmark$
4.	check catchment area conforms to requirements		✓
5.	check appliance is complete and fit for use and purpose		$\checkmark$
6.	isolate gas supply prior to work		· •
7.	install flue spigot restrictor, if required		• √
7. 8.	seal fire to surround/wall (inset)		• √
			▼ √
9.	fit closure plate and seal to fireplace opening (radiant convector)		v √
10.	connect appliance to gas supply and/or chimney	-	
11.	re-establish gas supply		<b>√</b>
12.	check work carried out is gas tight		<b>√</b>
13.	ensure appliance is correctly located, level and stable		✓
14.	position coal/log effect fuel correctly		$\checkmark$
15.	position radiant element correctly		$\checkmark$
16.	dismantle and/or clean appliance operational gas safety components, using appropriate		$\checkmark$
	cleaning methods and agents (e.g. burners, injectors, primary air ports, combustion		
	chambers, ignition devices, taps, FSDs and fuel effects where appropriate).		
17.	commission appliance:		
(i)	purge of air		$\checkmark$
(ii)	check OP/gas rate at appliance		$\checkmark$
(iii)	check burners flame pictures, stability and ignition		$\checkmark$
(iv)	check user controls are operating correctly		$\checkmark$
(v)	check safety control devices, inc. oxygen depletion devices, are operating correctly to MIs		√
<u> </u>	carry out spillage test		√
1 1 1 1			
(vi)			$\checkmark$
(vii)	measure combustion performance on flueless gas fire to MIs or BS 7967-2		✓ ✓
(vii) (viii)	measure combustion performance on flueless gas fire to MIs or BS 7967-2 interpret combustion performance test readings		✓
(vii) (viii) 18.	measure combustion performance on flueless gas fire to MIs or BS 7967-2 interpret combustion performance test readings identify defects on gas safety components		✓ ✓
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