



**ACS.DAH1
SAFETY ASSESSMENT CRITERIA
INITIAL.DOMESTIC
NATURAL GAS & LPG
DUCTED AIR HEATERS**

DAH 1**INITIAL****Introduction**

Tests gas safety competence to install, commission, exchange, disconnect, service, repair and break down domestic gas fired ducted air heaters of heat input ≤ 70 kW.

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

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

Appliance range

Open flue natural convection, open flue fan assisted, up flow, down flow and horizontal flow models.

Pre-requisites

CCN1 or
CoCDN1 or
CoLPNG1 or
QCF or S/NVQ.

Exclusions

Distribution duct work, grilles, building and electricity.

References and normative documents

Appliance MIs.

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

- HSL56
- BS 5864
- GIUSP.

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

Abbreviations

AC. Assessment Centre
FSD. Flame supervision device
I. Initial
MIs. Manufacturer's/manufacturers' instructions
OP. Operating pressure
Ref. Reference.

PERFORMANCE CRITERIA		REF	I
1.	check compartment construction and ventilation meet current requirements		✓
2.	check appliance assembly is complete and fit for use and purpose		✓
3.	isolate gas supply prior to work		✓
4.	disconnect and remove existing heater		✓
5.	position replacement heater in compartment		✓
6.	size, locate and adapt plenum base to fit replacement appliance		✓
7.	size, locate and adapt return air duct to fit replacement appliance		✓
8.	make a suitable rigid connection between gas point and appliance		✓
9.	connect open flue to appliance		✓
10.	re-establish gas supply		✓
11.	check work carried out is gas tight		✓
12.	check appliance is correctly located, level and stable		✓
13.	dismantle and clean appliance operational gas safety components, using appropriate cleaning methods and agents, e.g. burners, injectors, primary air ports, ignition devices, thermostats, taps, FSDs and air filters		✓
14.	commission appliance:		
(i)	purge of air		✓
(ii)	check OP at appliance is correct		✓
(iii)	check burner flame picture, stability and ignition are correct		✓
(iv)	check user controls are operating correctly		✓
(v)	check safety control devices are operating correctly		✓
(vi)	check temperature controls are operating correctly		✓
(vii)	check plenum/return air ducts are fixed correctly and adequately sealed		✓
(viii)	check flue is correctly clearing products of combustion		✓
15.	identify defects on gas safety components		✓
16.	explain safe operation and use of appliance		✓
KNOWLEDGE & UNDERSTANDING		REF	I
1.	identifying unsafe conditions		✓
2.	diagnosing gas safety faults		✓
3.	causes and effects of split heat exchangers		✓
4.	suitable and unsuitable locations/compartments – fire proofing		✓
5.	air filters and their effects on appliance		✓
6.	requirements when combustion air is supplied by heater's circulating fan		✓
7.	condensate removal and disposal		✓