



**ACS. CCLNG1
SAFETY ASSESSMENT CRITERIA
INITIAL. NON-DOMESTIC
NATURAL GAS
CORE LAUNDRY APPLIANCES**

**ACS. CCLNG1
SAFETY ASSESSMENT CRITERIA
RE-ASSESSMENT (OF CCLNG1)
NON-DOMESTIC. NATURAL GAS
+ CLE1**

CCLNG1 INITIAL & RE-ASSESSMENT

Introduction

Tests gas safety competencies of an operative in core areas of gas work common to non-domestic laundry appliances.

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.

Comprises

4/14. Ventilation and installation of chimneys (exhaust ducts)

16. Re-assessment of appliances/equipment.

Pre-requisites

Initial

ND Core Generic Parts A & B

Re-assessment

ND Core Generic Parts A & B + CLE1 if appropriate.

Normative and reference documents

MIs

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

- HSL56
- GIUSP

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

Abbreviations

AC. Assessment Centre

CB. Certification Body

CV. Calorific value

FSD. Flame supervision device

I. Initial

MIs. Manufacturer's/manufacturers' instructions

ND. Non-domestic

OP. Operating pressure

Ref. Reference.

4/14. Ventilation and installation of chimneys (exhaust ducts)

| PERFORMANCE CRITERIA | REF | I | R |
|--|-----|---|---|
| 1. calculate correct free area of a selection of air vents and grilles | | ✓ | ✓ |
| 2. identify inadequate ventilation | | ✓ | ✓ |
| 3. join exhaust ductwork: | | | |
| (i) flexible ductwork | | ✓ | ✓ |
| (ii) solid ductwork | | ✓ | ✓ |
| 4. recognise unsuitable exhaust duct termination and ventilation positions | | ✓ | ✓ |
| KNOWLEDGE & UNDERSTANDING | | | |
| 1. calculating individual ventilation | | ✓ | ✓ |
| 2. calculating conversion of gross CV. to net CV. for ventilation purposes | | ✓ | ✓ |
| 3. calculating individual exhaust duct requirements | | ✓ | ✓ |
| 4. calculating multi-equipment ventilation | | ✓ | ✓ |
| 5. calculating multi-equipment exhaust duct requirements | | ✓ | ✓ |
| 6. effects of additional ventilation/extraction fans | | ✓ | ✓ |
| 7. siting ventilator grilles and restrictions to ventilator/grille locations | | ✓ | ✓ |
| 8. siting exhaust ducts and preferred termination procedures | | ✓ | ✓ |
| 9. installation of ventilation grilles and vents – ducted systems | | ✓ | ✓ |
| 10. testing exhaust duct systems – air flow pressure measurements | | ✓ | ✓ |
| 11. safety interlocks between laundry equipment, gas lines and ventilation systems | | ✓ | ✓ |
| 12. sizing of grilles and vents (free area availability) | | ✓ | ✓ |
| 13. adventitious air supplies | | ✓ | ✓ |
| 14. identification of unsafe ventilation installations | | ✓ | ✓ |
| 15. labels and notices | | ✓ | ✓ |
| 16. laundry equipment. BS 8446: | | | |
| (i) exhaust testing | | ✓ | ✓ |
| (ii) ventilation – make-up air | | ✓ | ✓ |
| (iii) make-up air utilizing input fans | | ✓ | ✓ |
| 17. identification and installation of in tumescent air vents | | ✓ | ✓ |
| 18. passive stack ventilation | | ✓ | ✓ |

16. Re-assessment of CLE1

| PERFORMANCE CRITERIA | REF | I | R |
|--|-----|---|---|
| 1. check appliance assembly is complete, fit for use and purpose | | | ✓ |
| 2. check gas pipework fittings, regulator (if required) and isolation valve for connection are of adequate size and installed using appropriate materials and to MIs | | | ✓ |
| 3. check appliance is correctly sited, level and stable | | | ✓ |
| 4. check flue (exhaust duct) system has been installed with appropriate materials and fittings to MIs | | | ✓ |
| 5. check vents, grilles and ducts supplying ventilation to appliance(s) have been correctly installed/positioned using appropriate materials and fittings to MIs | | | ✓ |
| 6. check appliance has been installed to MIs, Normative Documents and HSL56 | | | ✓ |
| 7. Commission: | | | |
| (i) purge appliance/equipment of air | | | ✓ |
| (ii) fill appliance to MIs | | | ✓ |
| (iii) light appliance to MIs | | | ✓ |
| (iv) check OP and/or gas rate at appliance to MIs | | | ✓ |
| (v) check flue/extract system is safely removing products of combustion | | | ✓ |
| (vi) check supply of combustion air is adequate | | | ✓ |
| (vii) check flame picture, stability and ignition is correct | | | ✓ |
| (viii) dismantle, clean, inspect and test appliance operational gas safety components e.g. burners, injectors, primary air ports, filters, heat exchanger and flue- ways, ignition devices, FSD, thermostats, interlocks, pressure switches/thermostats, taps, regulators and any other gas safety components (where appropriate) to MIs | | | ✓ |
| (ix) identify gas safety faults on appliance components | | | ✓ |
| (x) check appliance is working correctly/safely as intended | | | ✓ |
| (xi) check users controls are operating correctly | | | ✓ |
| (xii) explain safe operation of the appliance/equipment | | | ✓ |