



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

CCLNG1**INITIAL & RE-ASSESSMENT****Introduction**

Tests gas safety competencies of an operative in core areas of gas work common to Open Flued non-domestic laundry appliances in accordance with the scope of British Standard BS 8446.

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
- BS 8446

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 and dampers | | ✓ | ✓ |
| 12. | sizing of grilles and vents (free area availability) | | ✓ | ✓ |
| 13. | General safety requirements for make-up air, ventilation, compartment Installations & 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 intumescent air vents | | ✓ | ✓ |
| 19. | location & siting of laundry appliances | | ✓ | ✓ |
| 20. | Information given to the user, including information related to suitable CO alarms | | ✓ | ✓ |