



**ACS.COMCAT 5
SAFETY ASSESSMENT CRITERIA
INITIAL.NON-DOMESTIC
NATURAL GAS & LPG
FORCED DRAUGHT BURNER APPLIANCES
(incl. COMCAT 1, 2 & 3 appliances with forced draught burners)**

COMCAT5 INITIAL

Introduction

Tests the gas safety competence of an operative in the work of install, commission, exchange, disconnect, service, repair, and break down non-domestic catering appliances with forced draught gas burners.

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

All catering appliances using forced draught burners e.g. Lincoln Impinger II Conveyor Ovens.

Pre-requisites

CCCN1 or CoDC1 or
QCF or S/NVQ alternatives.

Exclusions

Kitchen worktops/cabinetry, extract fans, ductwork, hoods/canopies, plumbing, electrical or building and gas pipework other than appliance connection to appliance isolation valve.

Reference and normative documents:

MIs.

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

- HSL56
- GIUSP
- BS 6173

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

Abbreviations

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

| PERFORMANCE CRITERIA | REF | I |
|---|------------|----------|
| 1. check gas supply pipe is of adequate size and terminates at an acceptable position for appliance connection | | ✓ |
| 2. check gas flexible hose, isolation valve and connections conform | | ✓ |
| 3. check appliance assembly is complete and fit for purpose (remove any transportation securing devices, to MIs) | | ✓ |
| 4. locate and secure appliance restraining cable | | ✓ |
| 5. isolate gas and electrical supplies prior to work | | ✓ |
| 6. fit an isolation valve | | ✓ |
| 7. fit a flexible hose appliance and connect to isolation valve | | ✓ |
| 8. ensure appliance is correctly located, level and stable (castors to be locked, if appropriate) | | ✓ |
| 9. re-establish gas supply | | ✓ |
| 10. check work carried out is gas tight | | ✓ |
| 11. dismantle and clean appliance operational gas safety components, using appropriate cleaning methods and agents, (e.g. burners, burner blower motors, ignition devices, thermostats, high limit thermostats, taps, regulators, solenoids, air pressure switches, fans, combustion chamber, plenum chamber, 'jet fingers' and FSDs) | | ✓ |
| 12. commission appliance: | | |
| (i) purge appliance of air | | ✓ |
| (ii) verify flue and ventilation system is to MIs | | ✓ |
| (iii) check OP appliance is to MIs. Adjust regulator, if applicable | | ✓ |
| (iv) check burner flame picture, stability and ignition (adjust as necessary to combustion performance to MIs) | | ✓ |
| (v) check user controls are operating correctly | | ✓ |
| (vi) check gas safety control devices are operating correctly (may include taking readings from electronic components, as required) | | ✓ |
| (vii) check thermostat control is operating correctly | | ✓ |
| (viii) check high temperature limit device is operating correctly | | ✓ |
| 13. identify defects on gas safety components | | ✓ |
| 14. explain safe operation and use of appliance | | ✓ |
| KNOWLEDGE & UNDERSTANDING | | |
| 1. identifying unsafe conditions | | ✓ |
| 2. diagnosing gas safety faults | | ✓ |
| 3. suitable and unsuitable appliance room/space locations | | ✓ |
| 4. clearances - proximity of combustible materials | | ✓ |
| 5. siting appliance to MIs | | ✓ |
| 6. operation of multi-functional controls, mechanical gas, electrical and electronic controls used on appliances within COMCAT5. | | ✓ |