



**ACS.CoNGLP1 PD
SAFETY ASSESSMENT CRITERIA
INITIAL & RE-ASSESSMENT
DOMESTIC
NATURAL GAS TO LPG
PERMANENT DWELLINGS**

CoNGLP1 PD**INITIAL & RE-ASSESSMENT****Introduction**

Comprises:

- 3(a). LPG supply pressures. Operation and positioning of emergency isolation, flow controls and valves
- 3(c). LPG cylinder location, safety and sizing.
- 4. Ventilation (for appliances).
- 5. Installation of pipework and fittings.

CoNGLP1 PD can only be awarded when the Candidate holds CoNGLP1.

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.

Range

All LPG fittings in PDs.

Pre-requisites***Initial***

CoNGLP1.

Re-assessment

CoNGLP1 + CoNGLP1 PD.

References and normative documents

MIs.

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

- HSL56
- GIUSP.
- BS 6891

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

Abbreviations

AC. Assessment Centre
 CB. Certification Body
 I. Initial
 IP. Intermediate pressure
 LP. Low pressure
 MIs. Manufacturer's/manufacturers' instructions
 MP. Medium pressure
 R. Re-assessment
 Ref. Reference
 UPSO. Under pressure safety cut-off.

3(a). LPG supply pressures. Operation and positioning of emergency isolation, flow controls and valves

| KNOWLEDGE AND UNDERSTANDING | REF | I | R |
|---|-----|---|---|
| 1. recognising supply pressures from gas storage vessels: MP stage | | ✓ | ✓ |
| 2. operation and positioning of first and second stage regulators | | ✓ | ✓ |
| 3. | | | |
| 4. location requirements for regulators and changeover devices | | ✓ | ✓ |
| 5. | | | |
| 6. identifying causes of under-pressure conditions | | ✓ | |
| 7. operation, positioning and visible indicators of UPSOs | | ✓ | |
| 8. re-setting UPSOs | | ✓ | |
| 9. operation and positioning of limited relief valve | | ✓ | |
| 10. advice to consumer on re-setting UPSO | | ✓ | |
| 11. | | | |
| 12. recognition of supply pressures to individual flats in multi-storey buildings | | ✓ | ✓ |
| 13. recognition of additional final stage regulator controlling LP supplies in multi-storey buildings | | ✓ | ✓ |
| 14. labelling IP and LP supplies in multi-storey buildings | | ✓ | ✓ |
| 15. operation and positioning of vapour service shut-off valve | | ✓ | |

3(c). LPG cylinder location, safety and sizing

| KNOWLEDGE AND UNDERSTANDING | REF | I | R |
|---|-----|---|---|
| 1. cylinders: | | | |
| (i) installation, location and protection for Propane and Butane cylinders | | ✓ | |
| (ii) construction (inc. ventilation) of compartments, lockers and internal housings | | ✓ | |
| (iii) safety precautions for storage and use of cylinders | | ✓ | |
| (iv) | | | |
| 2. vessels: | | | |
| (i) installation | | ✓ | ✓ |
| (ii) marking of common vessels commercially available for single supply | | ✓ | ✓ |
| (iii) location | | ✓ | ✓ |

4. Ventilation for appliances

| KNOWLEDGE AND UNDERSTANDING | REF | I | R |
|---------------------------------|-----|---|---|
| 1. requirements for ventilation | | ✓ | ✓ |

5. Installation of pipework and fittings. Range of pipe sizes: 6 mm to 35mm

| KNOWLEDGE AND UNDERSTANDING | REF | I | R |
|---|-----|---|---|
| 1. jointing and cleaning agents for stainless and galvanised steel pipework | | ✓ | ✓ |
| 2. ventilation for pipework installed within ducts | | ✓ | ✓ |
| 3. locations where LPG pipework is not to be installed | | ✓ | ✓ |
| 4. galvanised steel pipe and fittings, Standards, suitability and use | | ✓ | |