



**ACS.REFLP2  
SAFETY ASSESSMENT CRITERIA  
INITIAL.DOMESTIC.LPG  
CARAVAN/BOAT REFRIGERATORS**

**REFLP2**

**INITIAL**

## **Introduction**

Tests gas safety competence to install, exchange, disconnection, service, repair, break down and commission domestic LPG space refrigerators in motorised and touring caravans, and boats.

DUE TO THE NATURE OF THE APPLIANCES COVERED BY THIS ASSESSMENT, IT IS NOT GUARANTEED TO MAINTAIN THIS ASSESSMENT IN ACCORDANCE WITH NORMATIVE STANDARDS. WHILE EVERY EFFORT IS MADE TO CATER FOR NEW APPLIANCES ON THE MARKET, THE ASSESSMENT MAY NOT CATER FOR ALL AVAILABLE MODELS. PARTICULAR ATTENTION HAS TO BE GIVEN TO MANUFACTURERS' INSTRUCTIONS.

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**

Caravan/boat refrigerators such as the Electrolux RM 4230 and RM 4231.

## **Pre-requisites**

CCLP1 B or LAV, or CoNGLP1 B or LAV.

## **Exclusions**

Kitchen cabinetry; carpentry involved in preparing enclosures; electricity; penetration of structure of caravan.

## **References and normative documents**

MIs.

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

- HSL56
- BS 5482-2
- BS EN 721
- BS EN 1949
- BS EN 10239
- GIUSP.

ACS.SMB. 003.ACRND identifies 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.

<b>PERFORMANCE CRITERIA</b>	<b>REF</b>	<b>I</b>
1. check appliance assembly is complete and fit for purpose		✓
2. isolate gas supply prior to work		✓
3. check ventilator/flue holes through caravan wall and/or boat requirements are correct and fitted with grilles to MIs		✓
4. check enclosure is of correct dimensions, battened and fitted with sealing strips to MIs		✓
5. slide appliance into position flush with front of recess and secure to cabinet through four plastic bushes in side walls		✓
6. seal appliance in enclosure		✓
7. make gas connection using 8 mm pipe and appropriate fittings, including a union gas cock for isolation		✓
8. position gas dispersal drain (drop hole for LAVs only) in base of enclosure		✓
9. re-establish gas supply		✓
10. check work carried out is gas tight		✓
11. dismantle and clean appliance operational gas components, using appropriate cleaning methods and agents, e.g. burner, injectors, primary air ports, ignition, FSDs, combustion flue ways and ventilators		✓
12. <b>commission appliance:</b>		
(i) purge appliance of air		✓
(ii) turn off switches for 240 V and 12 V		✓
(iii) turn on control tap to maximum		✓
(iv) turn on electric igniter/press piezo-electric igniter button, while depressing FSD knob		✓
(v) check burner flame picture, stability and ignition		✓
(vi) check OP at appliance		✓
(vii) check user controls are operating correctly		✓
(viii) check safety control devices are operating correctly		✓
(ix) check temperature controls are operating correctly		✓
13. identify defects on gas safety components		✓
14. explain safe operation and use of appliance		✓
<b>KNOWLEDGE AND UNDERSTANDING</b>	<b>REF</b>	
1. identification of unsafe conditions		✓
2. diagnosis of gas safety faults		✓
3. suitable and unsuitable appliance space locations		✓
4. operation of mechanical and electrical gas safety control devices		✓
5. clearances - proximity of combustible materials - fire proofing of compartments		✓