

## **New test specification for 2079-401 Handling fluorinated gases and ozone-depleting substances (category IV personnel)**

As part of a recent review of the existing Evolve banks for the unit 'Handling fluorinated gases and ozone-depleting substances (category IV personnel)', we are updating the test specification to match the unit content to ensure better clarification for centres and learners.

**Please note that we are not adjusting the distribution of questions in the tests, nor are we changing the pass mark or the time allowed to take the test.**

The change is to ensure that the score report sections that learners see once they have completed the test are the same as the learning outcomes in the unit as published in our handbooks. This is in line with other City & Guilds on-line multiple choice tests. The new score reports will show five sections, one for each of the five unit learning outcomes covered by the on-line test.

- 1 identify basic standard units
- 2 identify the causes and effects of global warming and climate change
- 3 identify causes and effects of ozone depletion
- 4 identify stationary refrigerant, air conditioning and heat-pump system leakage risk
- 5 identify the hazards and safe working practices for the leak checking of stationary refrigerant, air conditioning and heat-pump systems

A mapping document can be found below which shows how the current test section areas match the unit's assessment criteria and also the new test specification.

**Test spec 2079-401 Handling fluorinated gases and ozone-depleting substances (category IV personnel)**

**Time: 35 minutes**

**No of questions: 16**

**Pass/fail only**

<b>New Syllabus Refs</b>		<b>Old Test spec ref</b>	<b>no. of questions per test</b>
<b>Outcome</b>	<b>Assessment Criteria</b>		
01 identify basic standard units	01.01 identify the standard units relating to category IV systems	1.1	2
02 identify the causes and effects of global warming and climate change	02.01 identify the stated causes of climate change	2.1	8
	02.02 identify how the Kyoto Protocol aims to reduce the effect of effects of greenhouse gas emissions		
	02.03 identify direct and indirect global warming potential (GWP) of the common hydrofluorocarbon (HFC) and hydrocarbon (HC) refrigerants	2.2	
	02.04 identify the importance of energy efficiency on greenhouse gas emissions to atmosphere	2.3	
	02.05 identify the basic requirements of Regulation (EC) No 842/2006 and other relevant regulations	2.4	
	02.06 identify the equipment records requirements of Regulation (EC) No 842/2006 and all appropriate regulations and standards	3.1	
03 identify causes and effects of ozone depletion	03.01 identify ozone depletion potential (ODP) of hydrochlorofluorocarbon (HCFC) refrigerants	5.1	2
	03.02 identify the effect of chlorine on ozone depletion		
	03.03 identify the basic requirements of Regulation (EC) 2037/2000	5.2	
	03.04 identify the aims and impact of the Montreal Protocol		

04 identify stationary refrigerant, air conditioning and heat-pump system leakage risk	04.01 identify potential leakage points of refrigeration/air conditioning and heat pump equipment 04.02 identify the risks of refrigerant release associated with equipment (major and line components)	4.1	2
05 identify the hazards and safe working practices for the leak checking of stationary refrigerant, air conditioning and heat-pump systems	05.01 identify the hazards and safe working practices associated with refrigerant release	6.1	2
<b>TOTALS</b>			<b>16</b>