Unit	Testing IT & Telecoms Systems 2
SSC Code	TEST2
SQA Code	H3AV 04
SCQF Level	6
SCQF Credit Value	12
Unit summary	

Learning Outcomes The learner will:	Assessment Criteria
1. Understand the principles of IT & Telecoms testing	1.1 Describe the purposes of testing and the applicability of common classes of test 1.2 Identify preparation and conclusion activities associated with testing and the circumstances in which they may be required 1.3 Describe organisational requirements and procedures for testing and available test equipment and software
2. Plan for the testing of system components	2.1 Correctly identify the components to be tested and the purpose of the test 2.2 Select the types and sequences of test required to thoroughly test the components 2.3 Select any test equipment or software to be used 2.4 Define sufficient relevant inputs and expected outputs for the planned tests 2.5 Document required test preparation and conclusion activities
3. Carry out the testing of system components	3.1 Implement all required preparations prior to carrying out tests 3.2 Correctly apply planned inputs making effective use of any test equipment or software 3.3 Accurately record system and test equipment or software outputs 3.4 Accurately record, and where necessary promptly

	respond to, any errors arising during the test 3.5 Implement all required activities following the completion of testing
4. Interpret test results	4.1 Analyse test records to identify any discrepancies between actual and expected outputs and the source of any recorded errors 4.2 Investigate and document the possible causes of identified discrepancies and errors
Additional information about the unit	
Guidance on approaches to assessment	*Outcomes 2, 3 & 4 must be assessed in the workplace.* Further guidance is set out in the CBQ Assessment principles developed by e-skills UK and agreed by the Joint Awarding Body Forum.
Details of the relationship between the unit and relevant National Occupational Standards or other professional standards	This unit is based on the e-skills UK NOS for IT professionals (PROCOM) available from www.e-skills.com/nos
Location of the unit within the subject/sector classification system	IT Professional
Name of the organisation submitting the unit	e-skills UK