

## INSTALL COMPUTER SOFTWARE

UNIT CODE: IT/OS/ICT/CR/2/5

### UNIT DESCRIPTION

This unit covers the competencies required to perform computer software installation work. Installation activities includes identification of the software to be installed, actual installation of the software, software functionality test and user training.

### ELEMENTS AND PERFORMANCE CRITERIA

ELEMENT	PERFORMANCE CRITERIA ( <i>Bold and italicised terms are elaborated in the Range</i> )
1. Identify software to be installed	1.1 Software are classified according to the functionality, resource requirement and use. 1.2 Selection of software to be installed is identified based on usage and system requirements 1.3 <i>Acquisition methods</i> of the selected software are established.
2. Install the software	2.1 <i>Software specifications</i> and computer resource requirements are identified 2.2 Source of software installation files is determined 2.3 Existing data is backed up 2.4 User vendor agreements are identified 2.5 Software installation is done as per the installation manual provided.
3. Software Configuration Management	3.1 Software configuration management components are identified. 3.2 Importance and reasons for software configuration management are identified
4. Test software functionality	4.1 Software Techniques are identified 4.2 Software test is performed 4.3 Software functionality is determined according to the test performed 4.4 Test report is generated
5. Perform User training	5.1 Determine user skill set 5.2 User training is conducted according to system functionality

## RANGE

Variable	Range <i>May include but is not limited to:</i>
1. software acquisition methods	1.1 In – house developed 1.2 Tailor made 1.3 Outsourced/Off-the-shelf
2. Software specifications	2.1 Detailed description of a software system to be installed with its functional and non-functional requirements. Usually has the following characteristics: <ul style="list-style-type: none"><li>• Complete.</li><li>• Consistent.</li><li>• Feasible.</li><li>• Modifiable.</li><li>• Unambiguous.</li><li>• Testable</li></ul>
3. software parameters	3.1 Characteristic that can help in <i>defining</i> or classifying a software.

## REQUIRED KNOWLEDGE AND UNDERSTANDING

1. Different types of Software
2. System requirements for software Installation
3. Software Acquisition Methods
4. Types of software Testing
5. Software parameter setting techniques
6. Software Installation procedures

## FOUNDATION SKILLS

The individual needs to demonstrate the following foundation skills:

- Communications (verbal and written);
- Time management;
- Problem solving;
- Decision making;
- Planning;
- First aid;
- Report writing;
- Creativity

## EVIDENCE GUIDE

This provides advice on assessment and must be read in conjunction with the performance criteria, required knowledge and understanding and range.

1. Critical Aspects of Competency	<p>Assessment requires evidence that the candidate:</p> <p>1.1 Classified and selected software to be installed according to the functionality, resource requirement and usage</p> <p>1.2 Identified computer requirements based on Software specifications for Installation</p> <p>1.3 Determined the Source of software to be installed</p> <p>1.4 Performed Software configuration and Installation</p> <p>1.5 performed Software testing</p>
2. Resource Implications	<p>2.1 Resources the same as that of workplace are advised to be applied.</p> <p>2.2 Including Device drivers, operating system, utilities</p>
3. Methods of Assessment	<p>Competency may be assessed through:</p> <p>3.1 Observation with the help of check list</p> <p>3.2 Practical demonstrations</p> <p>3.3 Oral Questioning</p>
4. Context of Assessment	<p>Competency may be assessed individually in the actual workplace or a simulated work place setting</p>
5. Guidance information for assessment	<p>Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended.</p>

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