



<b>Unit Title</b>	Contractual procedures and procurement for the water industry (T/506/1624)	
<b>Level</b>	4	
<b>Credit Value</b>	12	
<b>Learning Outcomes – the learner will be able to:</b>	<b>Assessment Criteria – the learner can:</b>	
1. Understand the factors that affect the choice of procurement methods and contractual arrangements	1.	analyse the <b>factors</b> influencing the choice of different procurement arrangements.
	2.	compare different <b>contractual arrangements and procurement methods</b> used in the water industry.
2. Know current issues and best practice associated with the procurement of water industry services and projects	1.	outline the current <b>issues</b> associated with procurement and contractual procedures.
	2.	evaluate <b>best practice</b> associated with water industry procurement, including the advantages and disadvantages of international methods of procurement.
3. Know the roles and activities of the parties and organisations involved in the procurement of water industry services and projects	1.	describe the <b>roles, activities and principal contractual responsibilities</b> of the parties involved in the procurement phase of a typical contract.
	2.	outline the purpose and activities of the <b>organisations</b> involved in procurement for the construction and built environment sector.
4. Understand construction contracts in terms of time, cost and quality	1.	explain the <b>implications</b> of not keeping to the planned time schedule.
	2.	compare <b>project costs</b> regarding pre-contract, tender and final account stages.
	3.	evaluate contractual measures to ensure <b>compliance</b> with quality requirements.
5. Understand procurements contracts in terms of supply chain management	1.	analyse <b>contractual arrangements</b> used with nominated, named and other types of sub-contractor.
	2.	evaluate the types of <b>contractual arrangements</b> used with suppliers.

<b>Additional information about the unit</b>	
<b>Unit purpose and aims</b>	<p>This unit provides learners with the opportunity to gain knowledge of the roles, responsibilities and activities of the parties and organisations involved in contractual procedures and the procurement of building projects.</p> <p>On completion of the unit the learner will:</p> <ul style="list-style-type: none"> <li>• understand the factors that affect the choice of construction procurement methods and contractual arrangements</li> <li>• know current issues and best practice associated with the procurement of construction projects</li> </ul>



	<ul style="list-style-type: none"><li>• know the roles and activities of the parties and organisations involved in the procurement of construction projects</li><li>• understand construction contracts in terms of time, cost and quality</li><li>• understand construction contracts in terms of supply chain management.</li></ul>
<b>Unit expiry date</b>	31/03/2019
<b>Assessment requirements or guidance specified by a sector or regulatory body (if appropriate)</b>	<p>In the assessment of this unit, the learner must ensure that the evidence that they produce covers the following:</p> <ol style="list-style-type: none"><li>1. The <b>factors</b> influencing the choice of procurement methods must include:<ol style="list-style-type: none"><li>(a) client requirements and priorities</li><li>(b) methods of procurement (for projects)</li><li>(c) variable factors associated with procurement and contractual recommendations (including time; cost; performance; risk)</li><li>(d) the relationship between variable factors and procurement arrangements</li><li>(e) surveys of the current use of procurement methods.</li></ol></li><li>2. The learner's comparison of <b>contractual arrangements and procurement methods</b> must include:<ol style="list-style-type: none"><li>(a) the distinction between contract and non-contract documents</li><li>(b) articles of agreement</li><li>(c) conditions of and appendices to the different forms of contract</li><li>(d) forms of contract used for construction and civil engineering projects.</li></ol></li><li>3. The <b>issues</b> associated with procurement and contractual procedures must include:<ol style="list-style-type: none"><li>(a) current issues</li><li>(b) issues originating from government, professional, trade and statutory bodies</li><li>(c) issues originating from contracting organisations.</li></ol></li><li>4. The learner's discussion of <b>best practice</b> in water industry procurement must cover:<ol style="list-style-type: none"><li>(a) comparisons with practice in similar industries</li><li>(b) recommendations from the sector and government-sponsored reports</li><li>(c) developments and trends in practice</li><li>(d) aspects of practice in European and other international markets.</li></ol></li><li>5. The <b>roles, activities and contractual responsibilities</b> must</li></ol>



cover:

- (a) pre-contract activities
  - (b) post-contract activities
  - (c) different project phases
  - (d) plans of work
  - (e) the involvement of specialists for planning, programming and progress monitoring
  - (f) on-site communications.
6. The **organisations** must include:
- (a) professional bodies
  - (b) trade associations
  - (c) government departments
  - (d) statutory bodies.
7. The learner's explanation of the **implications** of not keeping to the planned time schedule must cover implications in relation to:
- (a) commencement
  - (b) completion
  - (c) delays
  - (d) extensions of time
  - (e) postponement
  - (f) phased completions
  - (g) early commencement
  - (h) optimum timescales
  - (i) fast-tracking.
8. The comparison of **project costs** must include:
- (a) fixed-price arrangements
  - (b) price certainty
  - (c) price forecasting
  - (d) contract sum
  - (e) interim certificates and payments
  - (f) cash flows
  - (g) retention
  - (h) cost penalties
  - (i) variations and dayworks
  - (j) provisional and prime cost sums
  - (k) sub-contractors and suppliers
  - (l) claims
  - (m) final costs
  - (n) final certificate.
9. **Compliance** with quality is in relation to:
- (a) materials and goods
  - (b) standards of workmanship
  - (c) specification
  - (d) statutory obligations
  - (e) The Construction (Design and Management)



	<p>Regulations 2007 methods of working</p> <ul style="list-style-type: none"><li>(f) testing</li><li>(g) removal of defective work</li><li>(h) quality assurance</li><li>(i) other clauses of the contract.</li></ul> <p>10. The learner's analysis and evaluation of <b>contractual arrangements</b> must include:</p> <ul style="list-style-type: none"><li>(a) supply chain contractual arrangements, covering –<ul style="list-style-type: none"><li>i) domestic</li><li>ii) directly employed</li><li>iii) sub-contractors</li><li>iv) nominated sub-contractors</li><li>v) named and other sub-contractors</li><li>vi) suppliers</li><li>vii) contract conditions</li><li>viii) tendering arrangements</li><li>ix) information requirements</li><li>x) main contract implications</li><li>xi) forms and agreements.</li></ul></li><li>(b) contract conditions covering –<ul style="list-style-type: none"><li>i) identification</li><li>ii) comparison</li><li>iii) nominated</li><li>iv) named</li><li>v) direct</li><li>vi) specialist.</li></ul></li></ul> <p>The assessment of this unit will be via a combination of centre-devised assignments and tests, and will be conducted in supervised conditions. The assessment strategy for the unit has been agreed with industry stakeholders.</p>
<b>Location of the unit within the subject/sector classification system</b>	4.1 Engineering
<b>Name of the organisation submitting the unit</b>	CABWI Awarding Body
<b>Availability for use</b>	Shared
<b>Unit guided learning hours</b>	48