



Commercial (QS) Core Competencies

QUANTITY SURVEYING – CORE COMPETENCIES 2019

The quantity surveying competencies are split into core and specialist competencies. **OPTIMUM STANDARDS**

Each of the activities under the competencies must be signed-off to a specific standard, indicated by one of the letters A, K, E or B. The definitions of these are given below.

| | | |
|----------|--------------|---|
| A | Appreciation | A general awareness of the activity is required. This could be acquired by reading a magazine article or attending a CPD event. |
| K | Knowledge | This standard requires a more detailed level of knowledge and understanding of the activity. This could be acquired by undertaking a training course or other type of study but not necessarily have put into practice. e.g. a subject area on a degree course. |
| E | Experience | To reach this standard the activity must have been performed independently or under supervision. This may be achieved by undertaking the activity in a work context over a period of time. Experience of the activity or subject should follow on and be additional to appreciation and knowledge in that subject area. |
| B | Ability | To be able, without supervision, to perform relevant functions and be able to supervise other less experienced staff. This may be evidenced by the undertaking of management roles or experience gained over a period of time. |

Technical Member level - the applicant must achieve a minimum average standard K across all core and specialism activities. In addition, **a minimum of 5 activities must be assessed at level E, and up to 5 activities may be assessed at level A.** There are no restrictions within this as to the particular choice of activities.

Member level – the optimum standard is given against each activity statement

Revision 2019 Correction to Member Optimum Standard in Core QS 01D. Optimum standard corrected to B.

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| Name of Supervisor | Name of Applicant |
| Supervisor's signature | Date |
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Commercial (QS) Core Competencies

| Commercial Core 01 | Competency | | Financial and commercial processes in civil engineering | | | | |
|--------------------|------------|--------|--|--------------------|---|---|---|
| | Optimum | | Activity Detail | Date of Assessment | | | |
| | Technical | Member | | A | K | E | B |
| A | K | E | Management of budgets for civil engineering works. Cost forecasting, management and control processes including the use of contract programmes, change and risk registers. | | | | |
| B | K | E | Profitability forecasts, cost/budget/value comparisons and cash flow. | | | | |
| C | K | E | Value engineering techniques and their importance in achieving cost effective and safe design, construction and maintenance solutions | | | | |
| D | K | B | Design, adaption and continual improvement of processes, procedures, and tools to enable the monitoring and management of key commercial drivers e.g. change, cost, risk, certification etc. including a facility to check and audit | | | | |

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Commercial (QS) Core Competencies

| Commercial Core 02 | Competency | | Commercial management and contract administration on civil engineering projects | Date of Assessment | | | | |
|--------------------|------------|--------|---|--------------------|---|---|---|---|
| | Optimum | | | Activity Detail | A | K | E | B |
| | Technical | Member | | | | | | |
| A | K | E | Supply chain procurement and management | | | | | |
| B | K | E | Administration of contracts and / or subcontracts including payment mechanisms, change procedures, and resolution of contentious issues, final accounts agreement and management | | | | | |
| C | K | K | The principles of insurance and the common types of insurance available for usage on civil engineering projects, including professional indemnity insurance and warranties | | | | | |
| D | K | E | Identification, recording, notification and negotiation of change in accordance with the contract. Evaluation of change through analysis of rates or compensation methods, and agreement of the effects of change | | | | | |
| E | K | K | Employment legislation and its applicability to civil engineering works (e.g. Working Rule Agreement) | | | | | |

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Commercial (QS) Core Competencies

| Commercial Core 03 | Competency | | Contract structure, documentation and the bid process in civil engineering | | | | |
|--------------------|------------|--------|---|--------------------|---|---|---|
| | Optimum | | Activity Detail | Date of Assessment | | | |
| | Technical | Member | | A | K | E | B |
| A | K | E | Standard forms of contract, how they deal with key provisions including the rights and obligations of the Parties | | | | |
| B | K | E | Determination of the scope of work through interpretation of the contract documents – contract provisions, specifications, drawing, schedules, technical etc. | | | | |
| C | K | E | The purposes of and differences between Preambles, Bills of Quantities, Activity Schedules and Schedules of Rates | | | | |
| D | K | K | Risk identification, analysis and management | | | | |
| E | K | K | The preparation and interpretation of estimates and tender submissions | | | | |

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Commercial (QS) Core Competencies

| Commercial Core 04 | Competency | | The principles of contract law and their application within the context of civil engineering | | | | |
|--------------------|------------|--------|--|--------------------|---|---|---|
| | Optimum | | Activity Detail | Date of Assessment | | | |
| | Technical | Member | | A | K | E | B |
| A | K | E | Contract and other civil law principles applicable to the jurisdiction | | | | |
| B | K | K | Statute law relevant to civil engineering works | | | | |
| C | K | E | Advice on contractual matters and formulating contractual / legal correspondence | | | | |
| D | K | K | Dispute avoidance and resolution – processes available and procedures that apply | | | | |

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Commercial (QS) Core Competencies

| Commercial Core 05 | Competency | | Planning and programme in the management of civil engineering works | | | | |
|--------------------|------------|--------|--|--------------------|---|---|---|
| | Optimum | | Activity Detail | Date of Assessment | | | |
| | Technical | Member | | A | K | E | B |
| A | K | E | Various types of programmes used in civil engineering | | | | |
| B | K | E | Use of the programmes for planning and monitoring the works | | | | |
| C | K | K | Use of programmes for analysis and demonstration of delay and disruption and entitlement to extensions of time | | | | |
| D | K | K | Use of programmes to support budget and risk management on a project | | | | |

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Commercial (QS) Core Competencies

| Commercial Core 06 | Competency | | Techniques and technologies employed in civil engineering works | | | | |
|--------------------|------------|--------|---|--------------------|---|---|---|
| | Optimum | | Activity Detail | Date of Assessment | | | |
| | Technical | Member | | A | K | E | B |
| A | K | K | Techniques and technologies, their impact on sustainable, security minded and safe working practices with particular emphasis on stakeholder involvement in projects with which personally involved | | | | |
| B | K | E | The utilisation of labour, plant, equipment, materials and sub-contractors | | | | |
| C | K | K | Building Information Modelling (BIM) including the security implication of this and similar management tools | | | | |

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