

# Comparison table for EngTech, IEng and CEng Standards

Taken from the UK Standard for Professional Engineering Competence and Commitment (UK-SPEC)

Fourth edition

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## Professional registration

Achieving professional registration as an Engineering Technician (EngTech), Incorporated Engineer (IEng), or Chartered Engineer (CEng) demonstrates that an engineer or technician has reached a set standard of knowledge, understanding and occupational competence.

Professional registration sets individual engineers and technicians apart from those who are not registered. Gaining a professional title establishes a person's proven knowledge, understanding and competence. Registration also demonstrates an individual's commitment to professional standards and demonstrates their commitment to developing and enhancing competence through Continuing Professional Development (CPD).

## The Engineering Council and UK-SPEC

The Engineering Council is the UK's regulatory body for the engineering profession. It sets the Standards which need to be met for an individual to become professionally registered. The Engineering Council operates under a Royal Charter and is governed by a Board that represents UK Licensees as well as individuals from industries and sectors with an interest in the regulation of the profession.

These competence statements are taken from the UK Standard for Professional Engineering Competence and Commitment (UK-SPEC), fourth edition. UK-SPEC forms part of the Standard used by the UK engineering profession to assess the competence and commitment of individual engineers and technicians. It was developed collaboratively in consultation with engineers representing the breadth of the profession, from industry, academia and many different disciplines and specialisms.

To download the full UK-SPEC document for free please visit the Engineering Council website: [www.engc.org.uk/ukspec](http://www.engc.org.uk/ukspec)

### A note on examples:

The examples of evidence offered (to the right of each competence) are intended as guidance to help identify activities that might demonstrate the required competence and commitment for each category of professional registration. They are intended as examples only, as the most appropriate evidence will vary with each individual role. The list is not exhaustive and other types of evidence might be valid. There is no requirement to provide multiple examples of evidence for each area of competence, but examples from two or three projects or tasks would be useful.

Engineering Technician (EngTech)	Incorporated Engineer (IEng)	Chartered Engineer (CEng)
<p>Engineering Technicians apply proven techniques and procedures to the solution of practical engineering problems.</p> <p>Engineering Technicians shall demonstrate:</p> <ul style="list-style-type: none"> <li>• Engineering knowledge and understanding to apply technical and practical skills</li> <li>• Evidence of their contribution to either the design, development, manufacture, commissioning, decommissioning, operation or maintenance of products, equipment, processes or services</li> <li>• Supervisory or technical responsibility</li> <li>• Effective interpersonal skills in communicating technical matters</li> <li>• The ability to operate in accordance with safe systems of work and to demonstrate appropriate understanding of the principles of sustainability</li> <li>• Commitment to professional engineering values.</li> </ul>	<p>Incorporated Engineers maintain and manage applications of current and developing technology, and may undertake engineering design, development, manufacture, construction and operation.</p> <p>Incorporated Engineers shall demonstrate:</p> <ul style="list-style-type: none"> <li>• The theoretical knowledge to solve problems in developed technologies using well proven analytical techniques</li> <li>• Successful application of their knowledge to deliver engineering projects or services using established technologies and methods</li> <li>• Contribution to the financial and planning aspects of projects or tasks and to leading and developing other professional staff</li> <li>• Effective interpersonal skills in communicating technical matters</li> <li>• The ability to specify and operate to safe systems of work and to demonstrate appropriate consideration of the principles of sustainability</li> <li>• Commitment to professional engineering values.</li> </ul>	<p>Chartered Engineers develop solutions to complex engineering problems using new or existing technologies, and through innovation, creativity and technical analysis.</p> <p>Chartered Engineers shall demonstrate:</p> <ul style="list-style-type: none"> <li>• The theoretical knowledge to solve problems in new and established technologies and to develop new analytical techniques</li> <li>• Successful application of the knowledge to deliver innovative products and services and/or taking technical responsibility for complex engineering systems</li> <li>• Responsibility for the financial and planning aspects of projects, sub-projects or tasks</li> <li>• Leadership and development of other professional staff through management, mentoring or coaching</li> <li>• Effective interpersonal skills in communicating technical matters</li> <li>• Understanding of the safety and sustainability implications of their work, seeking to improve aspects where feasible</li> <li>• Commitment to professional engineering values.</li> </ul>

Engineering Technician (EngTech)		Incorporated Engineer (IEng)		Chartered Engineer (CEng)	
<b>The Competence and Commitment Standard for Engineering Technicians</b>		<b>The Competence and Commitment Standard for Incorporated Engineers</b>		<b>The Competence and Commitment Standard for Chartered Engineers</b>	
Engineering Technicians must be competent throughout their working life, by virtue of their education, training and experience in the following ways:		Incorporated Engineers must be competent throughout their working life, by virtue of their education, training and experience in the following ways:		Chartered Engineers must be competent throughout their working life, by virtue of their education, training and experience in the following ways:	
<b>A. Knowledge and understanding</b>		<b>A. Knowledge and understanding</b>		<b>A. Knowledge and understanding</b>	
<b>Engineering Technicians shall use engineering knowledge and understanding to apply technical and practical skills.</b>		<b>Incorporated Engineers shall use a combination of general and specialist engineering knowledge and understanding to apply existing and emerging technology.</b>		<b>Chartered Engineers shall use a combination of general and specialist engineering knowledge and understanding to optimise the application of advanced and complex systems.</b>	
<b>The applicant shall demonstrate that they:</b>	<b>Examples of evidence:</b>	<b>The applicant shall demonstrate that they:</b>	<b>Examples of evidence:</b>	<b>The applicant shall demonstrate that they:</b>	<b>Examples of evidence:</b>
1. Review and select appropriate techniques, procedures and methods to undertake tasks	<ul style="list-style-type: none"> <li>Evaluating potential methods of carrying out an engineering task and selecting the most appropriate solution</li> <li>Recognising a difficulty and then identifying an approach to resolve it</li> <li>Identifying an improvement in a technique, procedure, process or method</li> <li>Interpreting and carrying out test procedures</li> </ul>	1. Have maintained and extended a sound theoretical approach to the application of technology in engineering practice	<ul style="list-style-type: none"> <li>Identifying the limits of your knowledge and skills</li> <li>Taking steps to develop and extend personal knowledge of appropriate technology, both current and emerging</li> <li>Applying newly gained knowledge successfully in a task or project</li> <li>Reviewing current procedures and processes and recommended improvements or changes to reflect best practice</li> <li>Developing knowledge needed to work in a new industry area or discipline</li> </ul>	1. Have maintained and extended a sound theoretical approach to enable them to develop their particular role	<ul style="list-style-type: none"> <li>Formal training related to your role</li> <li>Learning and developing new engineering knowledge in a different industry or role</li> <li>Understanding the current and emerging technology and technical best practice in your area of expertise</li> <li>Developing a broader and deeper knowledge base through research and experimentation</li> <li>Learning and developing new engineering theories and techniques in the workplace</li> </ul>
2. Use appropriate scientific, technical or engineering principles.	<ul style="list-style-type: none"> <li>Drawing on your technical knowledge to complete a task</li> <li>Performing calculations using standard formulae</li> <li>Analysing performance or test data or comparing performance information with published material</li> </ul>	2. Use a sound evidence-based approach to problem-solving and contribute to continuous improvement.	<ul style="list-style-type: none"> <li>Applying knowledge and experience to investigate and solve problems arising during engineering tasks and implementing corrective action</li> <li>Identifying opportunities for improvements and how these have been (or could be) implemented</li> <li>Using an established process to analyse issues and establish priorities</li> </ul>	2. Are developing technological solutions to unusual or challenging problems, using their knowledge and understanding and/or dealing with complex technical issues or situations with significant levels of risk.	<ul style="list-style-type: none"> <li>Carrying out technical research and development</li> <li>Developing new designs, processes or systems based on new or evolving technology</li> <li>Carrying out complex and/or non-standard technical analyses</li> <li>Developing solutions involving complex or multi-disciplinary technology</li> <li>Developing and evaluating continuous improvement systems</li> <li>Developing solutions in safety-critical industries or applications</li> </ul>

Engineering Technician (EngTech)		Incorporated Engineer (IEng)		Chartered Engineer (CEng)	
B. Design, development and solving engineering problems Engineering Technicians shall contribute to the design, development, manufacture, construction, commissioning, decommissioning, operation or maintenance of products, equipment, processes, systems or services.		B. Design, development and solving engineering problems Incorporated Engineers shall apply appropriate theoretical and practical methods to design, develop, manufacture, construct, commission, operate, maintain, decommission and recycle engineering processes, systems, services and products.		B. Design, development and solving engineering problems Chartered Engineers shall apply appropriate theoretical and practical methods to the analysis and solution of engineering problems.	
The applicant shall demonstrate that they:	Examples of evidence:	The applicant shall demonstrate that they:	Examples of evidence:	The applicant shall demonstrate that they:	Examples of evidence:
1. Identify problems and apply appropriate methods to identify causes and achieve satisfactory solutions	<ul style="list-style-type: none"> <li>Using knowledge to identify a problem or an opportunity for improvement</li> <li>Investigating a problem to identify the underlying cause</li> <li>Identifying a solution to a problem or improvement opportunity</li> <li>Contributing to the design of an item or process</li> </ul>	1. Identify, review and select techniques, procedures and methods to undertake engineering tasks	<ul style="list-style-type: none"> <li>Establishing the engineering steps needed to carry out a task efficiently</li> <li>Identifying the available products or processes needed to undertake an engineering task and establishing a means of identifying the most suitable solution</li> <li>Preparing technical specifications</li> <li>Reviewing and comparing responses to the technical aspects of tender invitations</li> <li>Establishing user requirements for improvements</li> </ul>	1. Take an active role in the identification and definition of project requirements, problems and opportunities	<ul style="list-style-type: none"> <li>Identifying projects or technical improvements to products, processes or systems</li> <li>Preparing specifications, taking account of functional and other requirements</li> <li>Establishing user requirements</li> <li>Reviewing specifications and tenders to identify technical issues and potential improvements</li> <li>Carrying out technical risk analysis and identifying mitigation measures</li> <li>Considering and implementing new and emerging technologies</li> </ul>
2. Identify, organise and use resources effectively to complete tasks, with consideration for cost, quality, safety, security and environmental impact.	<ul style="list-style-type: none"> <li>Balancing these factors in selecting appropriate materials</li> <li>Identifying precautions as a result of evaluating risks and other factors</li> <li>Considering how waste can be minimised, recycled or disposed of safely if recycling is not possible</li> <li>Contributing to best practice methods of continuous improvement</li> <li>Improving the quality of an operation or process</li> </ul>	2. Contribute to the design and development of engineering solutions	<ul style="list-style-type: none"> <li>Contributing to the identification and specification of design and development requirements for engineering products, processes, systems and services</li> <li>Identifying operational risks and evaluating possible engineering solutions, taking account of cost, quality, safety, reliability, accessibility, appearance, fitness for purpose, security (including cyber security), intellectual property constraints and opportunities, and environmental impact</li> <li>Collecting and analysing results</li> <li>Carrying out necessary tests</li> </ul>	2. Can identify the appropriate investigations and research needed to undertake the design, development and analysis required to complete an engineering task and conduct these activities effectively	<ul style="list-style-type: none"> <li>Identifying and agreeing appropriate research methodologies</li> <li>Investigating a technical issue, identifying potential solutions and determining the factors needed to compare them</li> <li>Identifying and carrying out physical tests or trials and analysing and evaluating the results</li> <li>Carrying out technical simulations or analysis</li> <li>Preparing, presenting and agreeing design recommendations, with appropriate analysis of risk, and taking account of cost, quality, safety, reliability, accessibility, appearance, fitness for purpose, security (including cyber security), intellectual property constraints and opportunities, and environmental impact</li> </ul>

Engineering Technician (EngTech)	Incorporated Engineer (IEng)	Chartered Engineer (CEng)
B. Design, development and solving engineering problems (continued)	B. Design, development and solving engineering problems (continued)	B. Design, development and solving engineering problems (continued)
	<p>3. Implement design solutions for equipment or processes and contribute to their evaluation.</p>	<p>3. Can implement engineering tasks and evaluate the effectiveness of engineering solutions.</p>
	<ul style="list-style-type: none"> <li>• Identifying the resources required for implementation</li> <li>• Implementing design solutions, taking account of critical constraints, including due concern for safety and sustainability</li> <li>• Identifying problems during implementation and taking corrective action</li> <li>• Contributing to recommendations for improvement and actively learning from feedback on results</li> </ul>	<ul style="list-style-type: none"> <li>• Ensuring that the application of the design results in the appropriate practical outcome</li> <li>• Implementing design solutions, taking account of critical constraints, including due concern for safety, sustainability and disposal or decommissioning</li> <li>• Identifying and implementing lessons learned</li> <li>• Evaluating existing designs or processes and identifying faults or potential improvements including risk, safety and life cycle considerations</li> <li>• Actively learning from feedback on results to improve future design solutions and build best practice</li> </ul>



Engineering Technician (EngTech)		Incorporated Engineer (IEng)		Chartered Engineer (CEng)	
C. Responsibility, management and leadership		C. Responsibility, management and leadership		C. Responsibility, management and leadership	
Engineering Technicians shall accept and exercise personal responsibility.		Incorporated Engineers shall provide technical and commercial management.		Chartered Engineers shall provide technical and commercial leadership.	
The applicant shall demonstrate that they:	Examples of evidence:	The applicant shall demonstrate that they:	Examples of evidence:	The applicant shall demonstrate that they:	Examples of evidence:
1. Work reliably and effectively without close supervision, to the appropriate codes of practice	<ul style="list-style-type: none"> <li>• Completing challenging tasks successfully within your area of work</li> <li>• Identifying issues which fall outside of your current knowledge and seeking advice</li> <li>• Identifying standards and codes of practice relevant to a new task</li> </ul>	1. Plan the work and resources needed to enable effective implementation of engineering tasks and projects	<ul style="list-style-type: none"> <li>• Identifying factors affecting the project implementation</li> <li>• Carrying out holistic and systematic risk identification, assessment and management</li> <li>• Preparing and agreeing implementation plans and method statements</li> <li>• Securing the necessary resources and confirming roles in a project team</li> <li>• Applying the necessary contractual arrangements with other stakeholders (clients, subcontractors, suppliers, etc)</li> </ul>	1. Plan the work and resources needed to enable effective implementation of a significant engineering task or project	<ul style="list-style-type: none"> <li>• Preparing budgets and associated work programmes for projects or tasks</li> <li>• Systematically reviewing the factors affecting the project implementation including safety, sustainability and disposal or decommissioning considerations</li> <li>• Carrying out a task or project risk assessment and identifying mitigation measures</li> <li>• Leading on preparing and agreeing implementation plans and method statements</li> <li>• Negotiating and agreeing arrangements with customers, colleagues, contractors and other stakeholders, including regulatory bodies</li> <li>• Ensuring that information flow is appropriate and effective</li> </ul>
2. Accept responsibility for the work of themselves or others	<ul style="list-style-type: none"> <li>• Fully understanding drawings, permits to work, instructions or other similar documents after appropriate checking, and identifying issues</li> <li>• Inspecting work carried out by others</li> <li>• Checking the status of equipment, the work environment and facilities and taking appropriate actions before commencing work</li> </ul>	2. Manage (organise, direct and control), programme or schedule, budget and resource elements of engineering tasks or projects	<ul style="list-style-type: none"> <li>• Operating appropriate management systems</li> <li>• Working to the agreed quality standards, programme and budget, within legal and statutory requirements</li> <li>• Managing work teams, coordinating project activities</li> <li>• Identifying variations from quality standards, programme and budgets, and taking corrective action</li> <li>• Evaluating performance and recommending improvements</li> </ul>	2. Manage (organise, direct and control), programme or schedule, budget and resource elements of a significant engineering task or project	<ul style="list-style-type: none"> <li>• Operating or defining appropriate management systems including risk registers and contingency systems</li> <li>• Managing the balance between quality, cost and time</li> <li>• Monitoring progress and associated costs and cost forecasts, taking appropriate actions when required</li> <li>• Establishing and maintaining appropriate quality standards within legal and statutory requirements</li> <li>• Interfacing effectively with customers, contractors and other stakeholders</li> </ul>

Engineering Technician (EngTech)		Incorporated Engineer (IEng)		Chartered Engineer (CEng)	
C. Responsibility, management and leadership (continued)		C. Responsibility, management and leadership (continued)		C. Responsibility, management and leadership (continued)	
<p>3. Accept, allocate and supervise technical and other tasks.</p> <ul style="list-style-type: none"> <li>Ensuring that the scope of a task is clear before accepting and/or allocating it to others</li> <li>Querying any aspect of a task which is not clear and/or providing an explanation if a query is raised by others</li> <li>Learning from your own experience and/or providing constructive feedback when supervising or working with others</li> </ul>		<p>3. Manage teams, or the input of others, into own work and assist others to meet changing technical and management needs</p> <ul style="list-style-type: none"> <li>Agreeing objectives and work plans with teams and individuals</li> <li>Reinforcing team commitment to professional standards</li> <li>Leading and supporting team and individual development</li> <li>Assessing team and individual performance, and providing feedback</li> <li>Seeking input from other teams or specialists where needed and managing the relationship</li> </ul>		<p>3. Lead teams or technical specialisms and assist others to meet changing technical and managerial needs</p> <ul style="list-style-type: none"> <li>Agreeing objectives and work plans with teams and individuals</li> <li>Reinforcing team commitment to professional standards</li> <li>Leading and supporting team and individual development</li> <li>Assessing team and individual performance, and providing feedback</li> <li>Seeking input from other teams or specialists where needed and managing the relationship</li> <li>Providing specialist knowledge, guidance and input in your specialism to engineering teams, engineers, customers, management and relevant stakeholders</li> <li>Developing and delivering a teaching module at Masters level, or leading a University research programme</li> </ul>	
		<p>4. Take an active role in continuous quality improvement.</p> <ul style="list-style-type: none"> <li>Ensuring the application of quality management principles by team members and colleagues</li> <li>Managing operations to maintain quality standards eg ISO 9000, EQFM</li> <li>Evaluating projects and making recommendations for improvement</li> <li>Implementing and sharing the results of lessons learned</li> </ul>		<p>4. Bring about continuous quality improvement and promote best practice.</p> <ul style="list-style-type: none"> <li>Promoting quality throughout the organisation as well as its customer and supplier networks</li> <li>Developing and maintaining operations to meet quality standards eg ISO 9000, EQFM</li> <li>Supporting or directing project evaluation and proposing recommendations for improvement</li> <li>Implementing and sharing the results of lessons learned</li> </ul>	

Engineering Technician (EngTech)		Incorporated Engineer (IEng)		Chartered Engineer (CEng)	
D. Communication and interpersonal skills		D. Communication and interpersonal skills		D. Communication and interpersonal skills	
Engineering Technicians shall use effective communication and interpersonal skills.		Incorporated Engineers shall demonstrate effective communication and interpersonal skills.		Chartered Engineers shall demonstrate effective communication and interpersonal skills.	
The applicant shall demonstrate that they:	Examples of evidence:	The applicant shall demonstrate that they:	Examples of evidence:	The applicant shall demonstrate that they:	Examples of evidence:
1. Communicate effectively with others, at all levels, in English	<ul style="list-style-type: none"> <li>Contributing to meetings and discussions</li> <li>Preparing communications, documents and reports on technical matters</li> <li>Exchanging information and providing advice to technical and non-technical colleagues</li> </ul>	1. Communicate effectively with others, at all levels, in English	<ul style="list-style-type: none"> <li>Contributing to, chairing and recording meetings and discussions</li> <li>Preparing communications, documents and reports on technical matters</li> <li>Exchanging information and providing advice to technical and non-technical colleagues</li> <li>Engaging or interacting with professional networks</li> </ul>	1. Communicate effectively with others, at all levels, in English	<ul style="list-style-type: none"> <li>Preparing reports, drawings, specifications and other documentation on complex matters</li> <li>Leading, chairing, contributing to and recording meetings and discussions</li> <li>Exchanging information and providing advice to technical and non-technical colleagues</li> <li>Engaging or interacting with professional networks</li> </ul>
2. Work effectively with colleagues, clients, suppliers or the public	<ul style="list-style-type: none"> <li>Contributing constructively as part of a team</li> <li>Successfully resolving issues in discussions with team members, suppliers, clients and/or others</li> <li>Persuading others to accept suggestions or recommendations</li> <li>Identifying, agreeing and working towards collective goals</li> </ul>	2. Clearly present and discuss proposals, justifications and conclusions	<ul style="list-style-type: none"> <li>Preparing and delivering appropriate presentations</li> <li>Managing debates with audiences</li> <li>Feeding the results back to improve the proposals</li> <li>Contributing to the awareness of risk</li> </ul>	2. Clearly present and discuss proposals, justifications and conclusions	<ul style="list-style-type: none"> <li>Contributing to scientific papers or articles as an author</li> <li>Preparing and delivering presentations on strategic matters</li> <li>Preparing bids, proposals or studies</li> <li>Identifying, agreeing and leading work towards collective goals</li> </ul>
3. Demonstrate personal and social skills and awareness of diversity and inclusion issues.	<ul style="list-style-type: none"> <li>Knowing and managing own emotions, strengths and weaknesses</li> <li>Being confident and flexible in dealing with new and changing interpersonal situations</li> <li>Creating, maintaining and enhancing productive working relationships, and resolving conflicts</li> <li>Being supportive of the needs and concerns of others, especially where this relates to diversity and inclusion</li> </ul>	3. Demonstrate personal and social skills and awareness of diversity and inclusion issues.	<ul style="list-style-type: none"> <li>Knowing and managing own emotions, strengths and weaknesses</li> <li>Being confident and flexible in dealing with new and changing interpersonal situations</li> <li>Identifying, agreeing and working towards collective goals</li> <li>Creating, maintaining and enhancing productive working relationships, and resolving conflicts</li> <li>Being supportive of the needs and concerns of others, especially where this relates to diversity and inclusion</li> </ul>	3. Demonstrate personal and social skills and awareness of diversity and inclusion issues.	<ul style="list-style-type: none"> <li>Knowing and managing own emotions, strengths and weaknesses</li> <li>Being confident and flexible in dealing with new and changing interpersonal situations</li> <li>Identifying, agreeing and working towards collective goals</li> <li>Creating, maintaining and enhancing productive working relationships, and resolving conflicts</li> <li>Being supportive of the needs and concerns of others, especially where this relates to diversity and inclusion</li> </ul>

Engineering Technician (EngTech)		Incorporated Engineer (IEng)		Chartered Engineer (CEng)	
<b>E. Personal and professional commitment</b> Engineering Technicians shall demonstrate a personal commitment to an appropriate code of professional conduct, recognising obligations to society, the profession and the environment.		<b>E. Personal and professional commitment</b> Incorporated Engineers shall demonstrate a personal commitment to professional standards, recognising obligations to society, the profession and the environment.		<b>E. Personal and professional commitment</b> Chartered Engineers shall demonstrate a personal commitment to professional standards, recognising obligations to society, the profession and the environment.	
The applicant shall demonstrate that they:	Examples of evidence:	The applicant shall demonstrate that they:	Examples of evidence:	The applicant shall demonstrate that they:	Examples of evidence:
1. Understand and comply with relevant codes of conduct	<ul style="list-style-type: none"> <li>Demonstrating compliance with your Licensee's Code of Professional Conduct</li> <li>Working within all relevant legislative and regulatory frameworks, including social and employment legislation</li> </ul>	1. Understand and comply with relevant codes of conduct	<ul style="list-style-type: none"> <li>Demonstrating compliance with your Licensee's Code of Professional Conduct</li> <li>Identifying aspects of the Code particularly relevant to your role</li> <li>Managing work within all relevant legislative and regulatory frameworks, including social and employment legislation</li> </ul>	1. Understand and comply with relevant codes of conduct	<ul style="list-style-type: none"> <li>Demonstrating compliance with your Licensee's Code of Professional Conduct</li> <li>Identifying aspects of the Code which are particularly relevant to your role</li> <li>Being aware of the legislative and regulatory frameworks relevant to your role and how they conform to them</li> <li>Leading work within relevant legislation and regulatory frameworks, including social and employment legislation</li> </ul>
2. Understand the safety implications of their role and apply safe systems of work	<ul style="list-style-type: none"> <li>Providing evidence of applying current safety requirements, such as risk assessment and other examples of good practice you adopt in your work</li> <li>A sound knowledge of health and safety legislation, for example: HASAW 1974, CDM regulations, ISO 45001 and company safety policies</li> </ul>	2. Understand the safety implications of their role and manage, apply and improve safe systems of work	<ul style="list-style-type: none"> <li>Identifying and taking responsibility for your own obligations for health, safety and welfare issues</li> <li>Managing systems that satisfy health, safety and welfare requirements</li> <li>Developing and implementing appropriate hazard identification and risk management systems and culture</li> <li>Managing, evaluating and improving these systems</li> <li>Applying a sound knowledge of health and safety legislation, for example: HASAW 1974, CDM regulations, ISO 45001 and company safety policies</li> </ul>	2. Understand the safety implications of their role and manage, apply and improve safe systems of work	<ul style="list-style-type: none"> <li>Identifying and taking responsibility for your own obligations and ensuring that others assume similar responsibility for health, safety and welfare issues</li> <li>Ensuring that systems satisfy health, safety and welfare requirements</li> <li>Developing and implementing appropriate hazard identification and risk management systems and culture</li> <li>Managing, evaluating and improving these systems</li> <li>Applying a sound knowledge of health and safety legislation, for example: HASAW 1974, CDM regulations, ISO 45001 and company safety policies</li> </ul>



Engineering Technician (EngTech)	Incorporated Engineer (IEng)	Chartered Engineer (CEng)
E. Personal and professional commitment (continued)	E. Personal and professional commitment (continued)	E. Personal and professional commitment (continued)
<p>3. Understand the principles of sustainable development and apply them in their work</p> <ul style="list-style-type: none"> <li>Recognising how sustainability principles, as described in the Guidance on Sustainability (<a href="http://www.engc.org.uk/sustainability">www.engc.org.uk/sustainability</a>) can be applied in your day-to-day work</li> <li>Identifying actions that you can and have taken to improve sustainability</li> </ul>	<p>3. Understand the principles of sustainable development and apply them in their work</p> <ul style="list-style-type: none"> <li>Operating and acting responsibly, taking account of the need to progress environmental, social and economic outcomes simultaneously</li> <li>Recognising how sustainability principles, as described in the Guidance on Sustainability (<a href="http://www.engc.org.uk/sustainability">www.engc.org.uk/sustainability</a>) can be applied in your day-to-day work</li> <li>Providing products and services which maintain and enhance the quality of the environment and community, and meet financial objectives</li> <li>Understanding and encouraging stakeholder involvement in sustainable development</li> <li>Using resources efficiently and effectively</li> <li>Taking action to minimise environmental impact in your area of responsibility</li> </ul>	<p>3. Understand the principles of sustainable development and apply them in their work</p> <ul style="list-style-type: none"> <li>Operating and acting responsibly, taking account of the need to progress environmental, social and economic outcomes simultaneously</li> <li>Providing products and services which maintain and enhance the quality of the environment and community, and meet financial objectives</li> <li>Recognising how sustainability principles, as described in the Guidance on Sustainability (<a href="http://www.engc.org.uk/sustainability">www.engc.org.uk/sustainability</a>) can be applied in your day-to-day work</li> <li>Understanding and securing stakeholder involvement in sustainable development</li> <li>Using resources efficiently and effectively in all activities</li> <li>Taking action to minimise environmental impact in your area of responsibility</li> </ul>
<p>4. Carry out and record the Continuing Professional Development (CPD) necessary to maintain and enhance competence in their own area of practice</p> <ul style="list-style-type: none"> <li>Undertaking reviews of your own development needs</li> <li>Planning how to meet personal and organisational objectives</li> <li>Carrying out and recording planned and unplanned CPD activities</li> <li>Maintaining evidence of competence development</li> <li>Evaluating CPD outcomes against any plans made</li> <li>Assisting others with their own CPD</li> </ul>	<p>4. Carry out and record the Continuing Professional Development (CPD) necessary to maintain and enhance competence in their own area of practice</p> <ul style="list-style-type: none"> <li>Undertaking reviews of your own development needs</li> <li>Planning how to meet personal and organisational objectives</li> <li>Carrying out and recording planned and unplanned CPD activities</li> <li>Maintaining evidence of competence development</li> <li>Evaluating CPD outcomes against any plans made</li> <li>Assisting others with their own CPD</li> </ul>	<p>4. Carry out and record the Continuing Professional Development (CPD) necessary to maintain and enhance competence in their own area of practice</p> <ul style="list-style-type: none"> <li>Undertaking reviews of your own development needs</li> <li>Planning how to meet personal and organisational objectives</li> <li>Carrying out planned and unplanned CPD activities</li> <li>Maintaining evidence of competence development</li> <li>Evaluating CPD outcomes against any plans made</li> <li>Assisting others with their own CPD</li> </ul>
<p>5. Understand the ethical issues that may arise in their role and carry out their responsibilities in an ethical manner.</p> <ul style="list-style-type: none"> <li>Understanding the ethical issues that you may encounter in your role</li> <li>Giving an example of where you have applied ethical principles as described in the Statement of Ethical Principles (<a href="http://www.engc.org.uk/ethics">www.engc.org.uk/ethics</a>)</li> <li>Giving an example of where you have applied or upheld ethical principles as defined by your organisation or company</li> </ul>	<p>5. Understand the ethical issues that may arise in their role and carry out their responsibilities in an ethical manner.</p> <ul style="list-style-type: none"> <li>Understanding the ethical issues that you may encounter in your role</li> <li>Giving an example of where you have applied ethical principles as described in the Statement of Ethical Principles (<a href="http://www.engc.org.uk/ethics">www.engc.org.uk/ethics</a>)</li> <li>Giving an example of where you have applied or upheld ethical principles as defined by your organisation or company</li> </ul>	<p>5. Understand the ethical issues that may arise in their role and carry out their responsibilities in an ethical manner.</p> <ul style="list-style-type: none"> <li>Understanding the ethical issues that you may encounter in your role</li> <li>Giving an example of where you have applied ethical principles as described in the Statement of Ethical Principles (<a href="http://www.engc.org.uk/ethics">www.engc.org.uk/ethics</a>)</li> <li>Giving an example of where you have applied or upheld ethical principles as defined by your organisation or company</li> </ul>