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# Obtaining Chartered Status in the Chartered Institute for IT

Keith Taylor

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# About me

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- I worked for IBM most of my life as a designer, technical specialist, and product planner
- I am a CITP, Chartered Engineer, and a Fellow of the BCS
- I have now retired from IBM, but do voluntary work for the BCS both assessing membership applications and also excellence awards
- I am also on the Hampshire Branch committee



# Personal Development

The following qualities are the sorts of things we look for in people working in Information Technology:

- Technical skills
- Autonomy
- Professionalism
- Good communication
- Business awareness
- Influence
- Innovation
- Leadership
- Eminence

- Membership level  
**MBCS**
- Chartered level  
**CITP**  
**I. Eng. C. Eng.**  
**C. Sci**
- Fellowship level  
**FBCS**



SFIA= Skills Framework for the Information Age

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# MBCS Criteria

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MBCS



Professional  
Approach



SFIA Level 4

SFIA= Skills Framework for the  
Information Age

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# What is SFIA ?

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The *Skills Framework for the Information Age* (SFIA) provides a common reference model for the identification of the skills needed in Information Technology

## The SFIA Foundation:

BCS – Chartered Institute for IT

IET – Institute of Engineering and Technology

IMIS – Institute for the Management of Information Systems

*it*SMF UK – IT Service Management Forum

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# SFI*Aplus* version 5

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The aim of the framework is to create a common language to benchmark IT competences and develop IT professionals.

SFI*Aplus* v5 is latest version of the BCS's extended version of SFIA

It can be accessed by signed-on BCS members via the web at [www.bcs.org.uk](http://www.bcs.org.uk)

It now defines 96 Skills...

broken down into 344 tasks

at 7 levels

# The IT Profession – Skills for the Information Age

Skills Framework for the Information Age version 4.0



		1 Follow	2 Assist	3 Apply	4 Create	5 Innovate, advise	6 Facilitate, influence	7 Set strategy, inspire, mobilise
Strategy and architecture	Information strategy			Information security S17	Information analysis I1001	Information management I1002	Information systems co-ordination I1003	Information policy direction I1004
	Advice and guidance		Information control policies I1005	Research S1001	Information analysis I1001	Consultancy C101	Technical specialisms T1001	Information user access I1006
	Technical strategy and planning			Research S1001	Consultancy C101	Technical specialisms T1001	Business process improvement S1002	Business process improvement S1002
Business change	Business change implementation			Business analysis B1001	Project management P1001	Portfolio management P1002	Programme management P1003	Programme management P1003
	Business change management			Business analysis B1001	Business process analysis B1002	Change, business relation planning & management C102	Departmental design and implementation D1001	Departmental design and implementation D1001
Solution development and implementation	System development		System analysis S1001	System analysis S1001	System analysis S1001	System analysis S1001	System analysis S1001	System analysis S1001
	System development		System analysis S1001	System analysis S1001	System analysis S1001	System analysis S1001	System analysis S1001	System analysis S1001
	System development		System analysis S1001	System analysis S1001	System analysis S1001	System analysis S1001	System analysis S1001	System analysis S1001
Service factors	Service factors		Service factors S1001	Service factors S1001	Service factors S1001	Service factors S1001	Service factors S1001	Service factors S1001
	Service factors		Service factors S1001	Service factors S1001	Service factors S1001	Service factors S1001	Service factors S1001	Service factors S1001
	Service factors		Service factors S1001	Service factors S1001	Service factors S1001	Service factors S1001	Service factors S1001	Service factors S1001
Service management	Service strategy		Service strategy S1001	Service strategy S1001	Service strategy S1001	Service strategy S1001	Service strategy S1001	Service strategy S1001
	Service design		Service design S1001	Service design S1001	Service design S1001	Service design S1001	Service design S1001	Service design S1001
	Service transition		Service transition S1001	Service transition S1001	Service transition S1001	Service transition S1001	Service transition S1001	Service transition S1001
Operational and support	Operational and support		Operational and support S1001	Operational and support S1001	Operational and support S1001	Operational and support S1001	Operational and support S1001	Operational and support S1001
	Operational and support		Operational and support S1001	Operational and support S1001	Operational and support S1001	Operational and support S1001	Operational and support S1001	Operational and support S1001
	Operational and support		Operational and support S1001	Operational and support S1001	Operational and support S1001	Operational and support S1001	Operational and support S1001	Operational and support S1001
Procurement and management support	Supply management		Supply management S1001	Supply management S1001	Supply management S1001	Supply management S1001	Supply management S1001	Supply management S1001
	Quality management		Quality management S1001	Quality management S1001	Quality management S1001	Quality management S1001	Quality management S1001	Quality management S1001
	Resource management		Resource management S1001	Resource management S1001	Resource management S1001	Resource management S1001	Resource management S1001	Resource management S1001
Learning and development	Learning and development		Learning and development S1001	Learning and development S1001	Learning and development S1001	Learning and development S1001	Learning and development S1001	Learning and development S1001
	Learning and development		Learning and development S1001	Learning and development S1001	Learning and development S1001	Learning and development S1001	Learning and development S1001	Learning and development S1001
Cloud services	Cloud services		Cloud services S1001	Cloud services S1001	Cloud services S1001	Cloud services S1001	Cloud services S1001	Cloud services S1001
	Cloud services		Cloud services S1001	Cloud services S1001	Cloud services S1001	Cloud services S1001	Cloud services S1001	Cloud services S1001

# The IT Profession – Skills for the Information Age

## CITP Specialisms

- Strategy and architecture
- Business change
- Solution development and implementation
- Service management
- Procurement and management support
- Client Interface

Category/Subcategory	Skill	Code	1	2	3	4	5	6	7	
Information strategy	IT governance	GOVN								
	Information management	INFO								
	Advice and guidance	Information systems specialisation	ISCS							
		Information assurance	ISCT							
		Information analysis	INAN							
		Information content publishing	ICPN							
		Consultancy	CONS	1	2	3	4	5	6	7
	Business strategy and planning	Technical specialism	TECH							
		Research	RSCH							
		Innovation	INOV							
		Business process improvement	BPIE							
		Enterprise and business architecture development	EBAD							
	Technical strategy and planning	Business risk management	BRM							
		Sustainability strategy	SUST							
		Business continuity planning	BCTP							
		Continuity management	CONT							
		Serviceability management	SMTM							
		Sustainability management for IT	SMTI							
		Network planning	NETP							
		Solution architecture	ARCA							
Data management		DATM								
Methods and tools		METL								
Business change	Portfolio management	FCMG								
	Project management	PRMG								
	Portfolio, programme and project support	PPPS								
	Business analysis	BUAN	2	3	4	5	6	7		
	Business change definition and management	BCDM								
	Business process testing	BPTS								
	Change implementation planning and management	CIPM								
	Organisation design and implementation	OROI								
	Benefits management	BEPM								
	Business modelling	BSMD	2	3	4	5	6	7		
	Relationship management	REMG								
	Stakeholder relationship management	SLRM								
	Learning and development management	ETMG								
	Learning design and development	LEDA								
	Learning and subject formation	TEAC								
Professional development	PSDV									
Solution development and implementation	Systems development management	DLMG								
	Data analysis	DTAN	2	3	4	5	6	7		
	Systems design	DESN	2	3	4	5	6	7		
	Network design	NTDS								
	Programming/software development	PROG	2	3	4	5	6	7		
	Application development	APDEV								
	Safety engineering	SFEN								
	Sustainability engineering	SLEN								
	Information content authoring	INCA	1	2	3	4	5	6		
	Testing	TEST	1	2	3	4	5	6		
Human factors	User experience analysis	UPAN								
	Ergonomic design	HCEV								
	User experience evaluation	USEV								
	Human factors integration	HFIN	2	3	4	5	6	7		
	Systems integration	SINT	2	3	4	5	6	7		
Installation and integration	Portable software integration	PORT								
	Systems installation/decommissioning	HSIN	1	2	3	4	5	6		
Service management	IT management	ITMG								
	Financial management for IT	FMIT								
	Capacity management	CFMG								
	Availability management	AVMT								
	Service level management	SLMD	2	3	4	5	6	7		
	Service acceptance	SEAC								
	Configuration management	CFMG								
	Asset management	ASMG								
	Change management	CHMG	2	3	4	5	6	7		
	Release and deployment	RELM								
	System software	SYSP								
	Security administration	SCAD								
	Radio frequency engineering	RFEN	2	3	4	5	6	7		
	Application support	ASUP								
	IT Operations	ITOP	1	2	3	4	5	6		
Database administration	DBAD									
Storage management	STMG									
Network support	NETS	2	3	4	5	6	7			
Problem management	PRMG									
Service desk and incident management	USUP	1	2	3	4	5	6			
IT estate management	DCMA									
Procurement & management support	Procurement	PROC								
	Supplier relationship management	SURE								
	Contract management	ITCM								
	Quality management	QUMG								
	Quality assurance	QUAS								
	Quality standards	QUST	2	3	4	5	6	7		
	Conformance review	CORE								
Client interface	Safety assessment	SFAS								
	Technology audit	TAUD								
	Marketing	MKTG								
	Selling	SALE								
Sales and marketing	Account management	ACMG								
	Sales support	SSUP	1	2	3	4	5	6		
	Client services management	CSMG								

96 skills

7 levels



# Business Change Specialism

Business change		Code	1	2	3	4	5	6	7
Business change implementation	<u>Portfolio management</u>	POMG					5	6	7
	<u>Programme management</u>	PGMG						6	7
	<u>Project management</u>	PRMG				4	5	6	7
	<u>Portfolio, programme and project support</u>	PROF		2	3	4	5		
Business change management	<u>Business analysis</u>	BUAN			3	4	5	6	
	<u>Requirements definition and management</u>	REQM		2	3	4	5	6	
	<u>Business process testing</u>	BPTS				4	5	6	
	<u>Change implementation planning and management</u>	CIPM					5	6	
	<u>Organisation design and implementation</u>	ORDI					5	6	
	<u>Benefits management</u>	BENM					5	6	
	<u>Business modelling</u>	BSMO		2	3	4	5	6	
	<u>Sustainability assessment</u>	SUAS				4	5	6	
Relationship management	<u>Stakeholder relationship management</u>	RLMT				4	5	6	7
Skill management	<u>Learning and development management</u>	ETMG			3	4	5	6	7
	<u>Learning and development assessment</u>	LEDA			3	4	5	6	
	<u>Learning design and development</u>	TMCR				4	5		
	<u>Learning delivery</u>	ETDL			3	4	5		
	<u>Teaching and subject formation</u>	TEAC					5	6	
	<u>Resourcing</u>	RESC					5	6	
	<u>Professional development</u>	PDSV				4	5	6	

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# SFI*Aplus* skill codes

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SFI*Aplus* defines 96 skill codes divided into ...

19 sub-categories and

6 categories (which are the CITP specialisms)

Skills do not normally span all levels 1-7

Only one (IT operator) does not include level 5

These skill codes should include all those working in IT

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# SFI*Aplus* levels

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SFI*Aplus* defines seven levels of competency from 1 (very junior) to 7 (very senior)

1. Follow
2. Assist
3. Apply
4. Enable
5. Ensure, advise
6. Initiate, influence
7. Set strategy, inspire, mobilise

To obtain CITP (and other professional registrations), you need to be working at level 5 or above

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# Level 4 competencies

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## **Autonomy**

Works under general direction within a clear framework of accountability. Exercises substantial personal responsibility and autonomy. Plans own work to meet given objectives and processes.

## **Influence**

Influences team and specialist peers internally. Influences customers at account level and suppliers. Has some responsibility for the work of others and for the allocation of resources. Participates in external activities related to own specialism. Makes decisions which influence the success of projects and team objectives.

## **Complexity**

Performs a broad range of complex technical or professional work activities, in a variety of contexts. Investigates, defines and resolves complex problems.

## **Business Skills**

Selects appropriately from applicable standards, methods, tools and applications. Demonstrates an analytical and systematic approach to problem solving. Communicates fluently orally and in writing, and can present complex technical information to both technical and non-technical audiences. Facilitates collaboration between stakeholders who share common objectives. Plans, schedules and monitors work to meet time and quality targets and in accordance with relevant legislation and procedures. Rapidly absorbs new technical information and applies it effectively. Has a good appreciation of the wider field of information systems, their use in relevant employment areas and how they relate to the business activities of the employer or client. Maintains an awareness of developing technologies and their application and takes some responsibility for personal development.

*Screen shot from on-line system*

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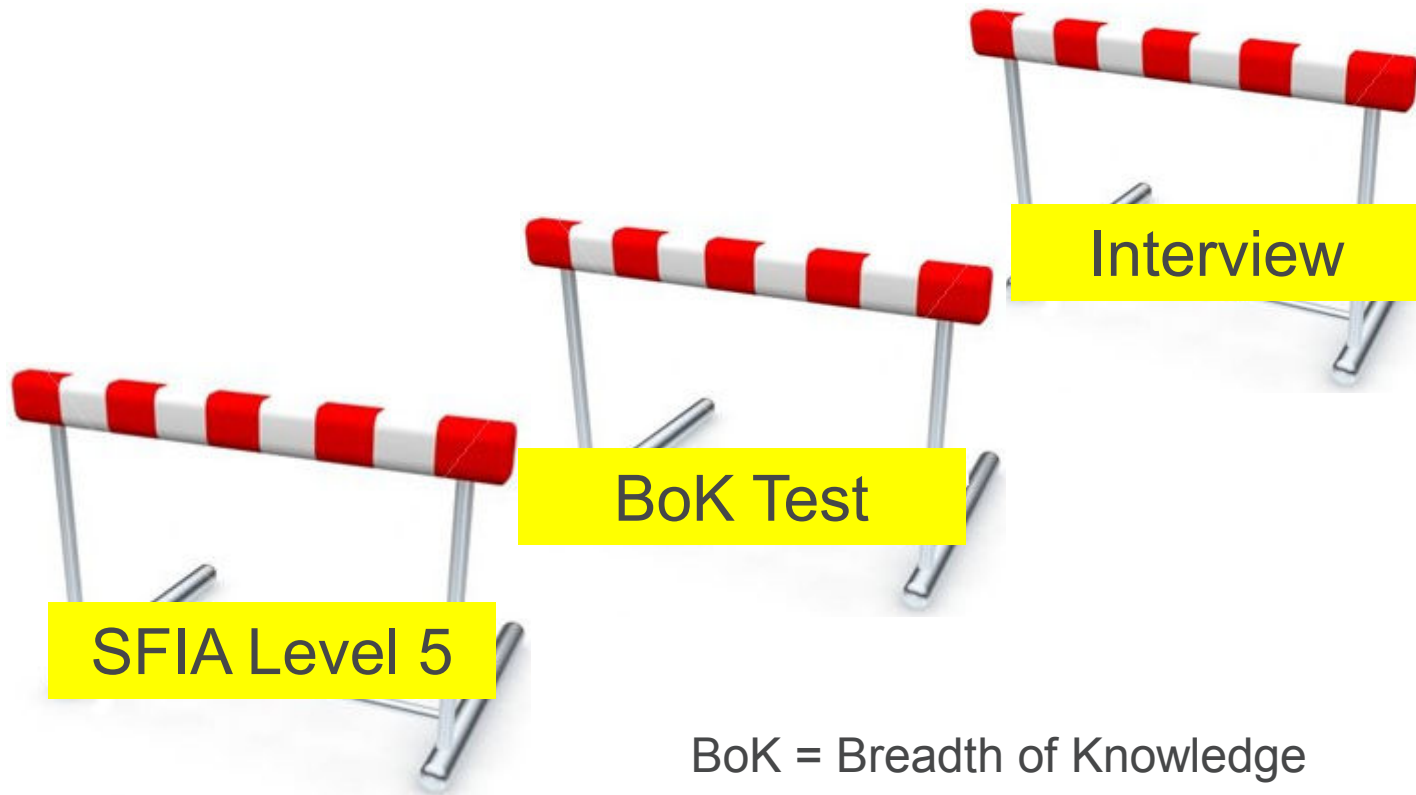
# Chartered IT Professional (CITP)

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# CITP Criteria

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CITP



BoK = Breadth of Knowledge

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# Application requirements

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- Your current CV or résumé
- A personal statement detailing your experience (required only if this information is not covered in sufficient detail in your CV or résumé)
- Payment by credit or debit card
- Details of one or more supporters who can validate your application

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# CV hints and tips

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- Be positive about your qualities, but have suitable evidence
- State details of job responsibilities for at least the last 5 years
- Include responsibilities for systems, staff and budgets
- List all IT qualifications, include business training
- State distinctions or awards gained
- Give membership of other professional bodies or committees
- List conferences, publications and patents (if any)
- Include any relevant hobbies or social activities



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## Chartered IT Professional – 3 stages

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- Education and Experience Review (via CV), looking for:  
*A period of experience working in IT including recent experience at **SFI Aplus Level 5 or above***
  - Breadth of Knowledge Test  
*A 75-question multiple choice test on IT and its application*
  - Specialist Competence Interview  
*A peer review interview with two assessors*
- CITP is awarded for 5 years before renewal is required***

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# Stage 1 - Initial Assessment

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## Stage 1 criteria

- Working for 3 out of the last 5 years at SFI Aplus level 5 in a *challenging role*

- Full accountability for your own work (**Autonomy**)
- Responsibility and **influence** with colleague, peers, or customers
- Demonstrate a range of complex **technical skills** in IT
- **Business skills** both general, and specific to the business you work in

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# Level 5 competencies

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## **Autonomy**

Works under broad direction. Work is often self-initiated. Is fully accountable for meeting allocated technical and/or project/supervisory objectives. Establishes milestones and has a significant role in the delegation of responsibilities.

## **Influence**

Influences organisation, customers, suppliers, partners and peers on the contribution of own specialism. Builds appropriate and effective business relationships. Makes decisions which impact the success of assigned projects i.e. results, deadlines and budget. Has significant influence over the allocation and management of resources appropriate to given assignments.

## **Complexity**

Performs an extensive range and variety of complex technical and/or professional work activities. Undertakes work which requires the application of fundamental principles in a wide and often unpredictable range of contexts. Understands the relationship between own specialism and wider customer/organisational requirements.

## **Business Skills**

Advises on the available standards, methods, tools and applications relevant to own specialism and can make appropriate choices from alternatives. Analyses, designs, plans, executes and evaluates work to time, cost and quality targets. Assesses and evaluates risk. Communicates effectively, both formally and informally. Demonstrates leadership. Facilitates collaboration between stakeholders who have diverse objectives. Understands the relevance of own area of responsibility/specialism to the employing organisation. Takes customer requirements into account when making proposals. Takes initiative to keep skills up to date. Mentors colleagues. Maintains an awareness of developments in the industry. Analyses requirements and advises on scope and options for continuous operational improvement. Demonstrates creativity and innovation in applying solutions for the benefit of the customer/stakeholder. Takes account of relevant legislation.

*Screen shot from on-line system*

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# SFI Aplus level 5

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*Ensure, advise*

## **Autonomy**

- Works under broad direction
- Accountable for own technical work or project
- Establishes milestones and delegates responsibilities
- Work is often self-initiated

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# SFI Aplus level 5

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*Ensure, advise*

## **Influence**

- Influences organisation, customers, suppliers and peers
- Builds appropriate and effective business relationships
- Decisions that impact on assigned projects - deadlines and budgets
- Allocates resources

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# SFI Aplus level 5

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*Ensure, advise*

## **Complexity**

- Work requires application of fundamental IT principles in a wide and unpredictable range of contexts
- Works on a variety of complex technical and/or professional activities
- Understands relationship between specialism and wider organisational requirements

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# SFI*Aplus* level 5

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*Ensure, advise*

## **Business skills - 1**

Advises on the available standards, methods, tools and applications in own area of specialisation

Clear understanding of the relationship between own area of responsibility /specialisation and user requirements of the employing organisation

Keeps skills up to date and mentors colleagues

Takes account of relevant legislation

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# SFI Aplus level 5

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*Ensure, advise*

## **Business skills - 2**

- Can analyse, diagnose, design, plan, execute and cost work
- Communicates effectively; formally and informally
- Demonstrates leadership; facilitates collaboration
- Demonstrates creativity and innovation in applying solutions
- Can analyse user requirements and advise users



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# Breadth of Knowledge test

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- The second stage involves a formal testing of core knowledge across the breadth of IT. The test comprises 75 multiple choice questions which cover a broad range of sectors and topics in 5 categories.
- You must achieve a pass mark (8) in each of the individual categories, as well as an overall pass of 50 or more.
- If you do not pass at your first attempt, one re-sit will be allowed within a six month period without additional payment
- The details of the syllabus are available from the BCS web site

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# CITP specialisms

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## **Strategy and Architecture**

*People who define technical direction and standards*

## **Business Change**

*People who manage, teach, and understand business needs*

## **Solution, Development and Implementation**

*People who develop new systems and products*

## **Service Management**

*People who keep things working*

## **Procurement and management support**

*People who support and check IT functions*

## **Client interface**

*People who sell products and manage accounts*

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## Stage 3 Interview

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- You will be expected to provide a short presentation and speak for about 10 minutes, using examples from work for which you have been personally responsible, to demonstrate your professional competence in your area of IT specialism.
- The interview is by 2 assessors, at least one of whom will have knowledge and experience of your specialism. The presentation and interview will last no longer than 45 minutes, and will be carried out on-line using conferencing software and secure document portals.
- During the interview you need to provide specific evidence relating to *SFI Aplus* level 5 competencies in relation to your competence in your declared specialism

## Procurement and Management Support Specialism

Procurement & management support		Code	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>
Supply management	<u>Procurement</u>	PROC				4	5	6	7
	<u>Supplier relationship management</u>	SURE		2	3	4	5	6	7
	<u>Contract management</u>	ITCM				4	5	6	
Quality and conformance	<u>Quality management</u>	QUMG					5	6	7
	<u>Quality assurance</u>	QUAS			3	4	5	6	
	<u>Quality standards</u>	QUST		2	3	4	5		
	<u>Conformance review</u>	CORE			3	4	5	6	
	<u>Safety assessment</u>	SFAS					5	6	
	<u>Technology audit</u>	TAUD				4	5	6	7

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# CITP Summary

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- Applicant working at *SFIAplus* Level 5 or above?
- Autonomy, influence and business skills?
- Breadth of IT knowledge test passed?
- Specialist IT technical knowledge?
- Have they used all these in their challenging job (together with professionalism) for 3 years (out of last 5)?



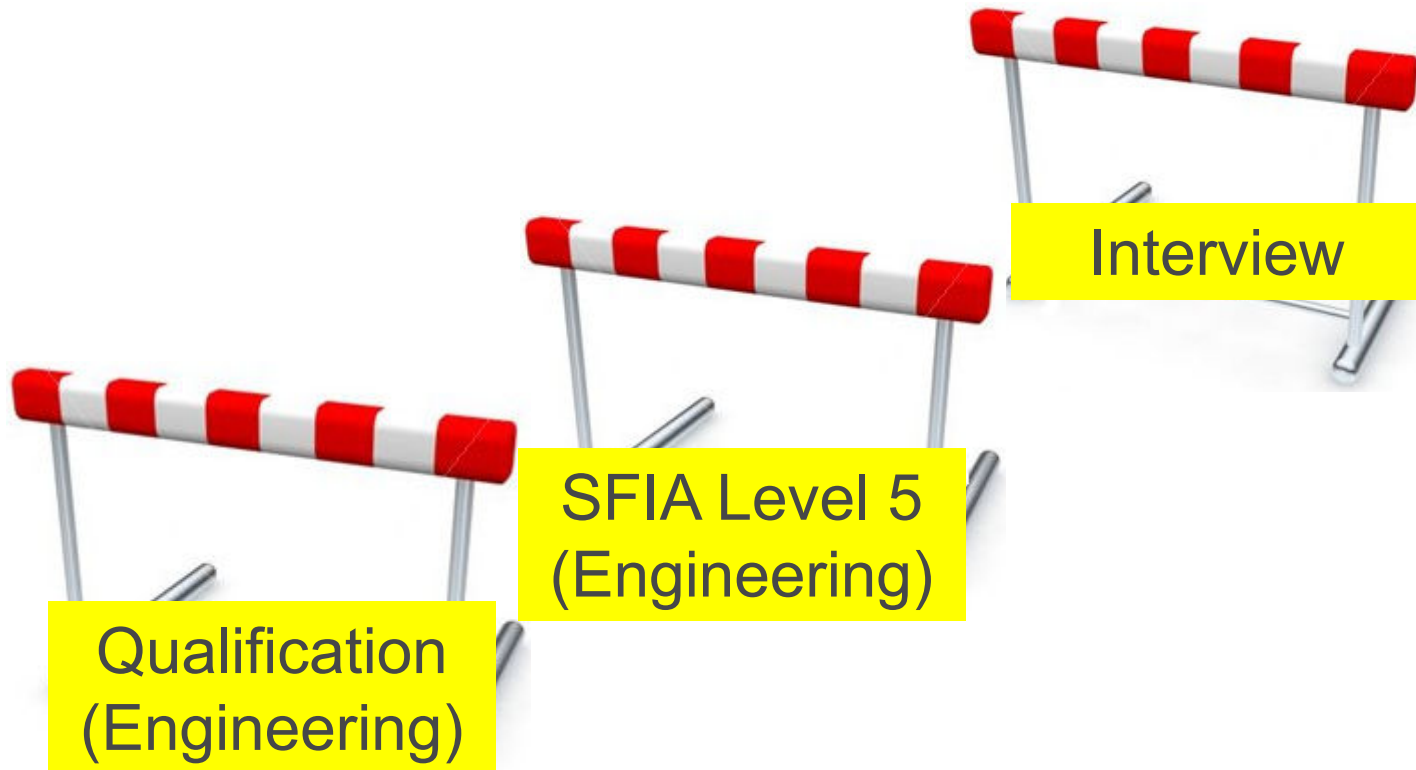
# Engineering Council and Science Council

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# Engineering Council Criteria

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C.Eng, I. Eng



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## Engineering Council

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- Has applicant got academic qualifications<sup>†</sup> accredited for EC registration?
- Have they been working at SFIA level 5 or above\*?
- Can they apply engineering methods in their job?
- Do they have creative, innovative skills (for C.Eng) ?
- Are they committed to professional standards?

\* *There is no a specified period for this, unlike CITP*

† *Applicants can also submit a suitable technical report or apply for exemption by an individual academic review or on their experience*

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# Solution Development & Implementation

Solution development and implementation		Code	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>
Systems development	<a href="#">Systems development management</a>	DLMG					<u>5</u>	<u>6</u>	<u>7</u>
	<a href="#">Data analysis</a>	DTAN		<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>		
	<a href="#">System design</a>	DESN		<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	
	<a href="#">Network design</a>	NTDS					<u>5</u>	<u>6</u>	
	<a href="#">Database/repository design</a>	DBDS		<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	
	<a href="#">Programming/software development</a>	PROG		<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>		
	<a href="#">Animation development</a>	ADEV			<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	
	<a href="#">Safety engineering</a>	SFEN			<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	
	<a href="#">Sustainability engineering</a>	SUEN				<u>4</u>	<u>5</u>	<u>6</u>	
	<a href="#">Information content authoring</a>	INCA	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	
	<a href="#">Testing</a>	TEST	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	
	Human factors	<a href="#">User experience analysis</a>	UNAN			<u>3</u>	<u>4</u>	<u>5</u>	
<a href="#">Ergonomic design</a>		HCEV			<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	
<a href="#">User experience evaluation</a>		USEV		<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>		
<a href="#">Human factors integration</a>		HFIN					<u>5</u>	<u>6</u>	<u>7</u>
Installation and integration	<a href="#">Systems integration</a>	SINT		<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	
	<a href="#">Porting/software integration</a>	PORT			<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	
	<a href="#">Systems installation/decommissioning</a>	HSIN	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>		

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## I.Eng and C.Eng differences

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- I.Eng and C.Eng are fairly similar; both are for engineers
- C.Eng must be capable of innovation and development
- For I.Eng you need an accredited bachelors or honours degree (otherwise take the technical report option etc.)
- For C.Eng you need an accredited honours degree and a masters degree, or a MEng (otherwise take the technical report option etc.)
- Competencies are assessed according to ECUK Spec described on the EC website:

<http://www.engc.org.uk/ecukdocuments/internet/document%20library/UK-SPEC.pdf>

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# PRI Interview

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- The interview is by 2 assessors and lasts 45 to 60 minutes. It will normally be carried out on-line using conferencing software and secure document portals but can be face-to-face on request.
- During the interview you need to provide specific evidence relating to the competencies defined by the Engineering Council
- If you are applying for Chartered Engineer, you will need to demonstrate innovation and development skills.

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## Criteria for the award of CEng include demonstration of

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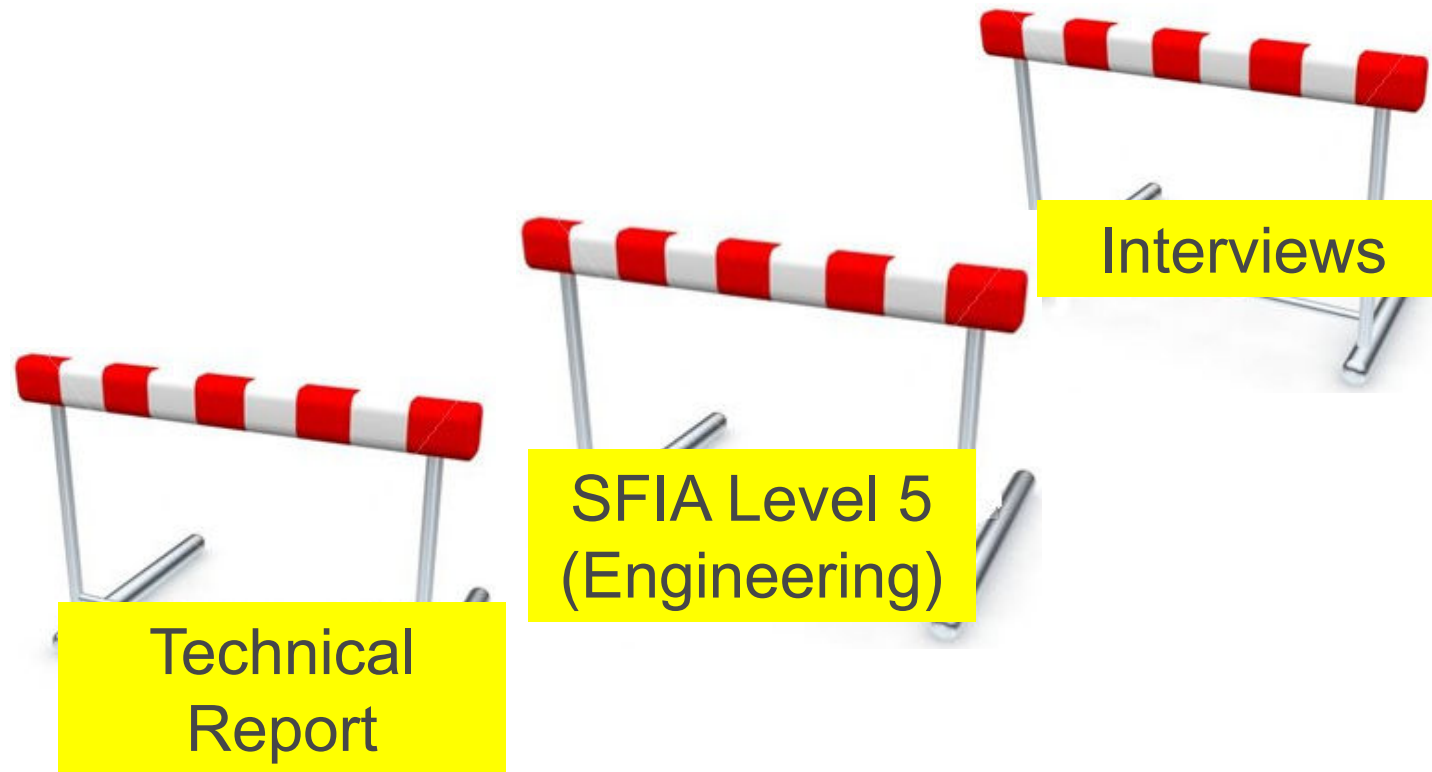
- Maintain and extend a sound theoretical approach and engage in the creative and **innovative** development of **engineering** technology and solutions
- Apply appropriate theoretical and practical methods to the analysis and solution of engineering problems:
  - Identify potential projects and opportunities
  - Provide technical and commercial **leadership**
  - Bring about continuous improvement through quality management
  - Demonstrate effective interpersonal skills and personal and social skills
  - Demonstrate a personal commitment to **professional standards**:
  - Comply with relevant codes of conduct
  - Manage and apply safe systems at work
  - Undertake engineering activities in a way that contributes to sustainable development
- **Carry out CPD** to maintain and enhance competence in own area of practice

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# Engineering Council Criteria for unqualified applicants

C.Eng, I. Eng



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## IEng/CEng Technical report process

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**See: “BCS Guidance notes for Professional members seeking Chartered status registrations IEng/CEng”**

- Applicant writes Synopsis
- Synopsis reviewed by Assessor
- Technical report must be received within 6 months
- Technical report reviewed by Assessors
- Technical Report Interview by two assessors (both CEng)

Followed by..

- Engineering Council Professional Review Interview based on ECUK by two assessors (both CEng)

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## **Career-based assessment instead of Technical Reports**

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The Engineering Council suggested in 2011 that all awarding institutions consider this route because:

- **Senior engineers who are clearly C Eng material may not have time to write a technical report in the correct format.**
- **Individual Academic review route is expensive and time-consuming**
- **Overseas candidates with good but non-accredited degrees are being penalised because their degrees are not accredited**

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## **Career-based assessment is now available!**

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**Each assessor considers whether “the experiential route” might be appropriate, and if so scores the applicant**

**Further information can also be asked for**

**Two assessors have to agree that the applicant passes**

**If there is disagreement, a third assessor has the casting vote**

**Failure to “pass” means the applicant must choose a different route**



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## IEng/CEng Career-based assessment ("Experiential route" - questions - 1)

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**All questions have a score of 0 (no evidence) to 3 (excellent)**

- Applicant's formal academic qualifications and post-nominals
  - (Degrees, CITP, etc.)
- Applicant's professional certificates and affiliations
  - (e.g. Microsoft, Cisco etc. certificates)
- Applicant's other technical training and CPD
  - (e.g. in-house training at work)
- Applying fundamental principles in their work<sup>†</sup> (Job Complexity):
  - *Related to SFIA job codes and level*

<sup>†</sup> *Low scores on these questions could indicate that the applicant will fail the PRI*

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## IEng/CEng Career-based assessment (“Experiential route” - 2)

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- Length of technical experience with some budget or project responsibility †
  - (Guideline: 5 years scores 2 )
- Evidence of using technical skills to guide or direct the work of others †
  
- Other evidence of technical skill
  - (Conference papers, presentations, patents, etc.)
- Other evidence of initiative and academic ability
  - (Interests outside of work, general academic history)

**Guideline pass 13-15 for C Eng. 11-13 for I Eng.**

† *Low scores on these questions could indicate that the applicant will fail the PRI*

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## European Engineer (Eur Ing,)

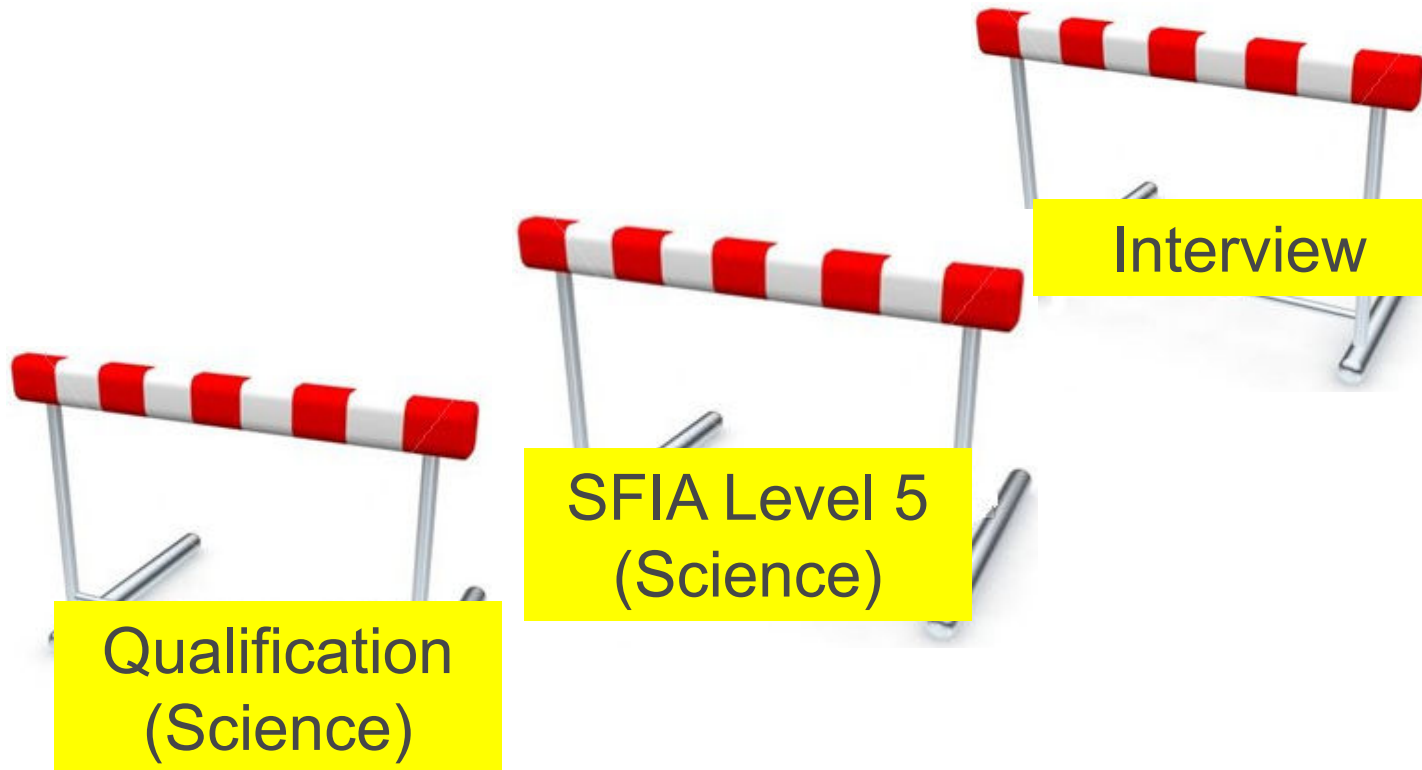
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- International professional qualification for engineers in over 30 European countries.
- Granted by national members of the European Federation of National Engineering Associations (FEANI), such as the UK EC
- European Engineer requires proven experience in the application of knowledge, level of skill, safety and environmental consciousness, sense of responsibility, ability to communicate and level of supervision received.
- In UK Chartered Engineer is a prerequisite requirement for an application for the Eur Ing title
- Some foreign European language skills are desirable but not mandatory at present

# Science Council Criteria

C.Sci.



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## Chartered Scientist

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- Accredited honours degree and masters degree or take technical report option (experiential route just approved)
- You need to be a scientist or computer scientist; read the Science Council web pages on :

<http://www.charteredscientist.org/about-csci>

**Scientists typically investigate hypotheses using experiments**

**Engineers typically design products or services**

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## Chartered Scientist check list

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- Has applicant got academic qualifications<sup>†</sup> accredited for SC registration?
  - Are they working at SFIA level 5 or above?
  - Do they work in science (and IT) or computer science?
  - Does their work help advance scientific knowledge?
  - Do they use scientific methods in their work?
  - Do they have other business and professional skills?
- † Applicants could also submit a suitable technical report or thesis, or use the experiential route*

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## Criteria for the award of CSci include demonstration of

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- Use of the **scientific method** to apply appropriate subject knowledge
- Use theoretical and practical methods to analyse and solve problems
- Communicate effectively
- Exercise self-direction and **originality** in solving problems
- Evidence of operating at the **professional level** for at least two years
- Plan and organise projects effectively and work effectively in a team
- Use effective influencing, negotiating and **business skills**
- Continue to advance their knowledge, with a **commitment to CPD**
- Demonstrate an commitment to Health & Safety and environmental issues

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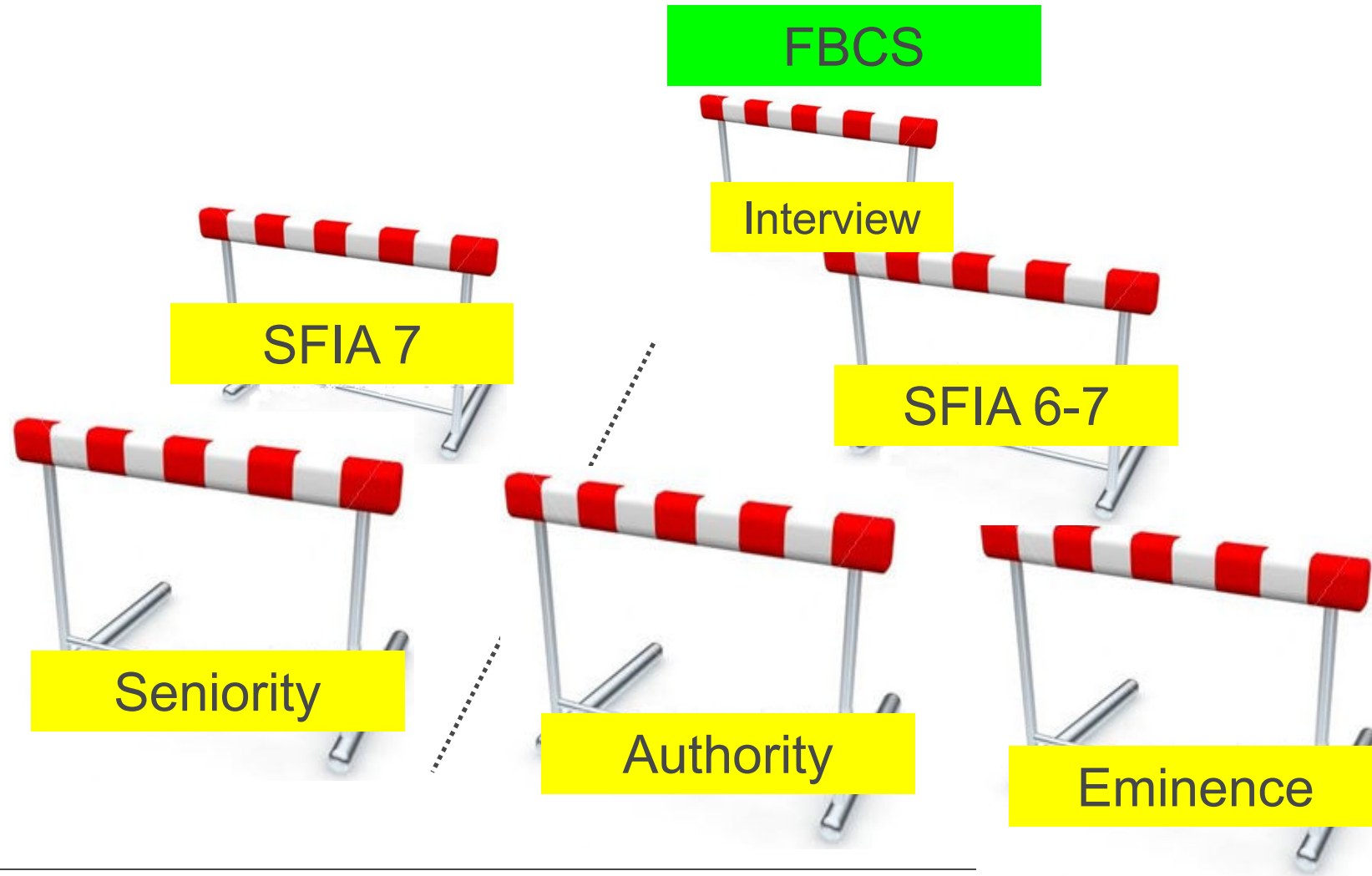


# Fellowship

*Note that Fellowship by itself is not chartered status*



# Fellowship Criteria



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## Fellowship criteria

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- Are they working at SFIA level 7 ? For example,
    - do they have 50+ people reporting to them (Seniority)?or
  - Do they have international recognition in their field (Authority)?
- or
- Are they a well-respected proponent of IT (e.g. BCS and other committees) (Eminence) ?
- or do they have some combination of the above?

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## Karen Burt Award

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- Awarded only to women resident in the UK
- Must be newly chartered and doing exceptional work in the field of engineering

# Personal Development

The following qualities are the sorts of things we look for in people working in Information Technology:

- Technical skills
- Autonomy
- Professionalism
- Good communication
- Business awareness
- Influence
- Innovation
- Leadership
- Eminence

- Membership level  
**MBCS**
- Chartered level  
**CITP**  
**I. Eng. C. Eng.**  
**C. Sci**
- Fellowship level  
**FBCS**



<http://www.bcs.org/category/10966>

**BCS** The Chartered Institute for IT  
Enabling the information society

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- Levels of Membership
- Member Groups
- Group Membership (Employers)
- Become Chartered**
- Chartered IT Professional (CITP)
- Chartered Engineer (CEng)
- Incorporated Engineer (IEng)
- Chartered Scientist (CSci)
- Choosing the right registration

### Become Chartered



Employers, recruiters and clients are actively searching for something extra from their candidates: a mark of integrity and dedication to the industry. Chartered status is proof that you are one of the best in the business.

**Chartered Registrations:**

- ▶ [Chartered IT Professional \(CITP\)](#)
- ▶ [Chartered Engineer \(CEng\)](#)
- ▶ [Chartered Scientist \(CSci\)](#)

#### Quote

'In the eyes of a client, either internal or external, Chartered status translates to a safer pair of hands and delivers confidence.' Dan Simms FBCS CITP

#### Feature

[BCS Internet Register of Members](#)  
Browse our register of Chartered Members and Fellows.