

国际工程师资质认证攻略简述

Strategy of Chartered Engineer

IET国际工程师资质认证实操方法、要点与技巧



安晨光

CEng MIET



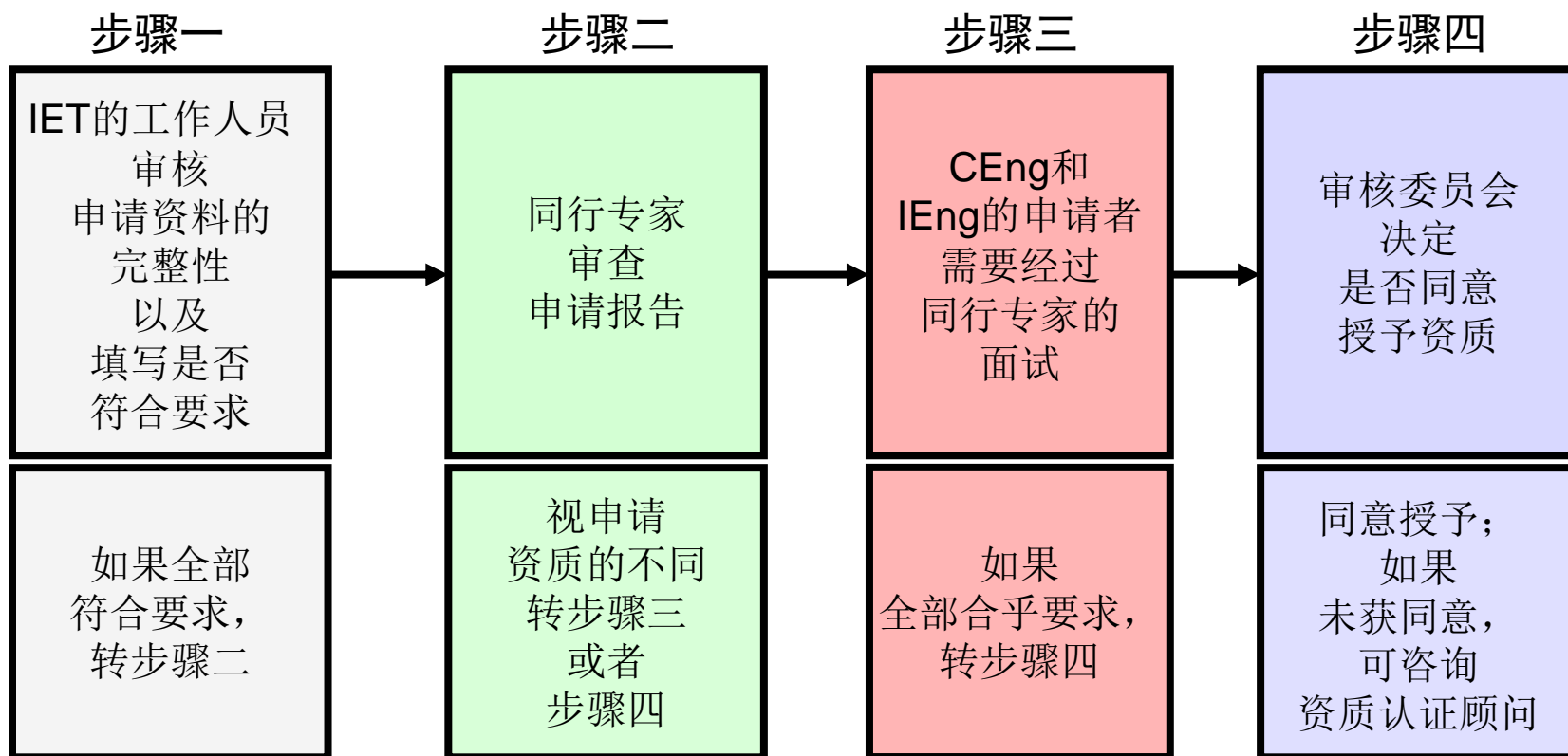
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The Institution of Engineering and Technology

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申请人评估步骤

申请人的评估分为4个步骤，整个过程由同行专家按照英国工程理事会工程科技人才能力标准的要求进行。



国际工程师认证依据的标准UK-SPEC

A 学习、应用知识的能力与创新：综合运用一般和专门的工程技术知识，对现有的技术和新兴技术的应用进行优化。

- A1：保持与提高理论技术水平，探索应用新技术
- A2：注重科技进步与创新（包含科技创新、工程创新和方法创新）

B 工程实践能力：应用恰当的理论 and 实践方法，创新性地分析和解决工程问题。

- B1：开发项目的能力
- B2：良好的项目调研和工程方案设计能力
- B3：设计方案的实施、有效性评价及改进的能力

C 技术与商务领导能力：具备技术、商务和管理的综合能力，率领团队有效地完成工作任务。

- C1：策划有效的项目实施方案
- C2：良好的项目管理能力
- C3：促进团队建设、展现领导团队的能力
- C4：注重质量管理，实现持续改进

D 人际交往能力：展现有效的交流沟通能力。

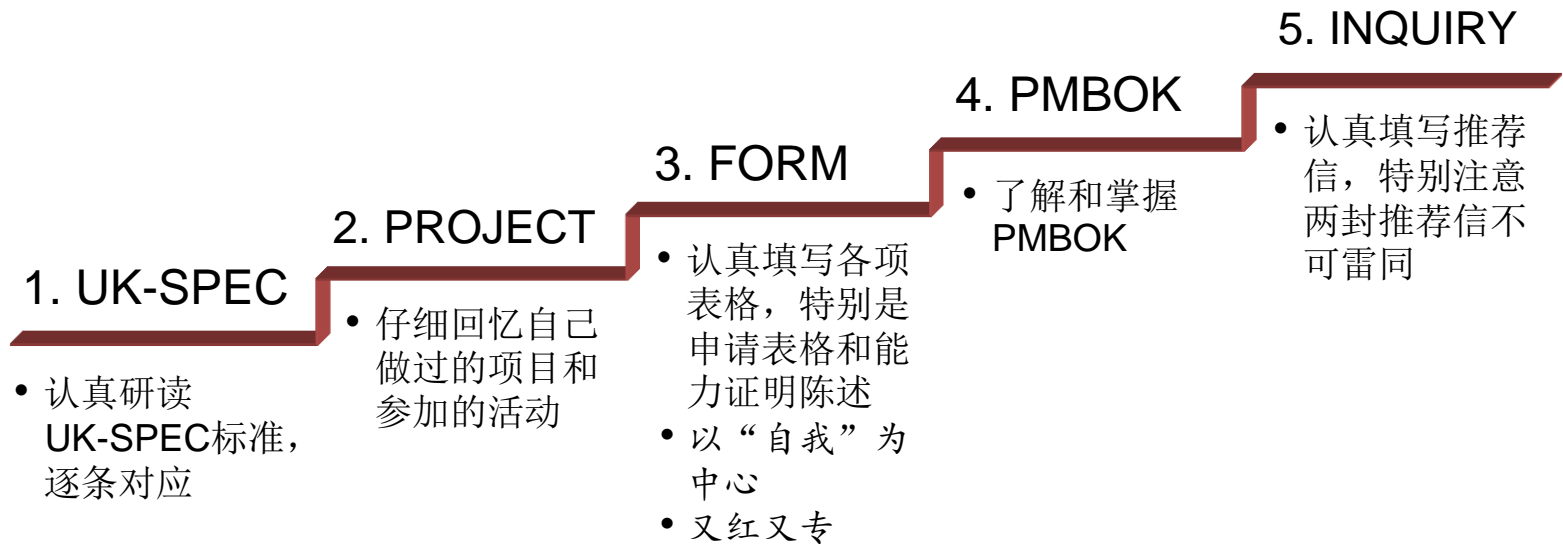
- D1：能够良好交流的英语水平（听、说、读、写）
- D2：具备良好的技术项目说明能力，通过参与、引导讨论实现项目的改进与提高
- D3：良好的个人和社交的技能

E 职业操守、社会责任和可持续发展：展示自己对职业标准的个人承诺，认识到自己对社会、职业和环境的责任

- E1：良好的职业道德，遵守相应行为规范
- E2：注重职业健康与安全，遵守相关标准、法律和法规
- E3：可持续发展的方式从事工程项目，实现对社会、经济和环境的全面贡献
- E4：终身学习能力的培养和实践
- E5：职业道德



申请过程中的细节



申请过程中所需的重要的资料

1. Application Form

- 有条不紊
- 注重数据(专利号)
- 职务表
- 明线-工作经历
- 暗线-UKSPEC

2. Evidence Statement

- UKSPEC
- 5个方面
- 17个小点-更细的表格
- 一一对应
- PMBOK
- ISO9000
- OHSAS18001

3. Inquiry Form

- UKSPEC
- 不可重复

4. PPT

- 我是谁
- 我做了什么
- 我怎么做
- 我做的怎么样
- 我还想做什么

APPLICATION FORM

F Education

Start Date	End Date	Course/Qualification Title	Educational Establishment	Classification	FT/PT/SW/Distance Learning
Sep 2001	Jun 2005	Major: Bachelor of Science degree in Electronic Information Science and Technology Minor: Foreign Trade English	Central South University		FT
Sep 2005	May 2008	Master of Engineering degree in Physics Electronics	Central South University		FT

G Professional Development or Training Schemes (if applicable)

Start Date	End Date	Company	Accreditation number (if applicable)
Jul 2003	Apr 2003	Computer Rank Examination Certificate National Education Examinations Authority the Ministry of Education of China	35174301634032
May 2005	May 2005	New Oriental Education Group	
Jan 2006	Jan 2006	Swagelok Inc.	
Jul 2012	Nov 2012	Middle System Integration Project Management Engineer Ministry of Human Resources and Social Security The People's Republic of China	11007469
Jan 2013	May 2013	Senior Information System Project Management Engineer Wuhan XiaoMa Software Education Training	

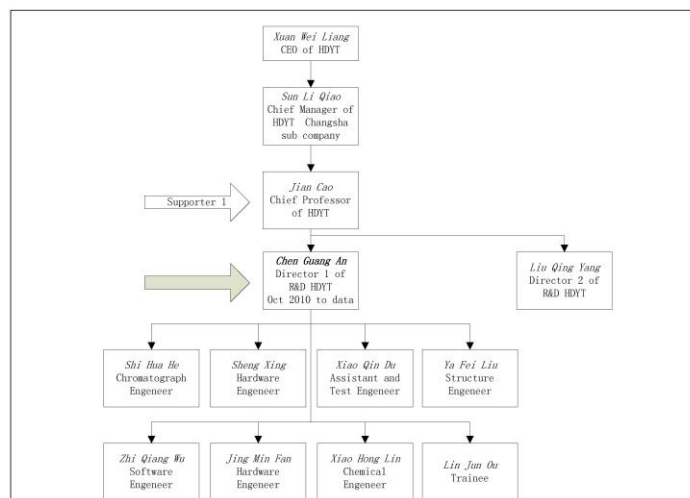
H Professional Services, Papers Presented etc.

Date	Title
2008.5	<i>Some Key Technologies Study of Transformer Oil Dissolved Gas Analysis</i> (CMFD) Master Dissertation Central South University TM855
2008.7	<i>A Quantitative Online Detector of Gas Dissolved in Transformer Oil Base SOFC</i> (EI) Automation of Electric Power Systems Vol.32 No.14 TM911.4
2009.5	<i>Research of Tiny Combustible Gas Quantitative Sensor Based On Fuel Cell Technology</i> (CSCD) Instrument Technique and Sensor No.5 TM911
2009.7	<i>Study on a novel online monitoring instrument for dissolved gas analysis (DGA) in transformer oil</i> (EI) Chinese Journal of Scientific Instrument Vol.30 No.7 TM411 TM911.4
2009.7	<i>Applicable Research of Thermal Conductivity Sensor for Gases Based on MEMS</i> (EI) CHINESE JOURNAL OF SENSORS AND ACTUATORS Vol.22 No.7 TP212.9
2010.7	<i>Application of Grey Correlation Analysis in Chromatograph Peak Identification of Transformer Oil</i> (EI) Power System Technology Vol.34 No.7 TM855
2008.2	Utility Model: <i>The system of DGA based of the technology of MEMS.</i> ZL200820233661.9
2008.2	Utility Model: <i>The separation used in Power Transformers.</i> ZL200820233662.3
2010.2	Utility Model: <i>The membrane device for online detecting of DGA.</i> ZL201020692295.0
2010.2	Utility Model: <i>Online insulating oil dissolved gas analysis gas chromatograph instrument.</i> ZL201020687311.7
2010.6	Invention: <i>The method and device of GC for detecting dissolved gas in power transformer.</i> ZL201010611860.0
2013.2	Invention: <i>Used to separate electric insulation oil gas GC column preparation method.</i> Authorizing: 201310106891.4
2013.5	Invention: <i>Power transformer aging degree detecting method.</i> Authorizing: 201310203944.4
2013.5	Invention: <i>Fast separating device for transformer oil and dissolved gas.</i> Authorizing: 201310203748.7
2013.5	Utility Model: <i>A simple GC instrument.</i> Authorizing: 201320298435.X

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2013.5	Utility Model: <i>An assembly for detecting dissolved CO2 in transformer oil.</i> Authorizing: 201320297547.3
2013.5	Utility Model: <i>Simple test equipment for cabinet function of IPx5.</i> Authorizing: 201320297712.5
2013.5	Utility Model: <i>Equipment cabinet for transformer oil GC detecting device.</i> Authorizing: 201320153125.9
Jun 2010	Report: <i>Gas Chromatographic Technology Application in Power System</i> , 2010 National GC Analytical Instruments and Technology Applications Seminar, Lanzhou, China.
Nov 2011	Report: <i>Substation Equipment On-line Monitoring Technology Research Review</i> , National State Grid Transmission and Transform Electricity Equipments Status Monitoring Technology Seminar, Beijing, China.

I Accountability Diagram



J Relevant Career History

Start/End Date	Employer & Job Title	Experience
Nov 2005 May 2008	Beijing HDYT Power Technical Co., Ltd. Intern of R&D.	<ul style="list-style-type: none"> ✦ I was responsible for DGA on-line detect product technical research. ✦ I developed the instrument of transformer oil and dissolved gas separation. ✦ I developed the transformer oil flow rate control system. ✦ I assisted to GC technical development. ✦ I participated in 2006 China-ASEAN expo as exhibitor in Nanning, China. ✦ I participated to bid of Northwest Power Grid as a technology supporter. ✦ I was responsible for 220kV Yushu Transformer Substation Intellectualization Construction project in Shanxi province, budget of ¥500,000. ✦ I finished Master Dissertation <i>Some Key Technologies Study of Transformer Oil Dissolved</i>

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APPLICATION FORM

		<i>Gas Analysis</i> and get an engineering master's graduate degree.
Jun 2008 Sep 2010	Beijing HDYT Power Technical Co., Ltd. Hardware Engineer and PM of R&D.	<ul style="list-style-type: none"> ◇ I was responsible for MT6000 (the first and second generation DGA on-line detect product) development. ◇ I was responsible for MT6000 application in field with several different environments. ◇ I assisted to market propaganda of MT6000. ◇ I was responsible for researching of TMS from SERVERON ◇ I established and managed of DGA laboratory. ◇ I developed gas chromatograph instrument for detecting combustible gases. ◇ I researched ZrO2 detector. ◇ I led my team to successfully research the MEMS detector. ◇ I led my team to research the method of online detecting status of transformers. ◇ I initiated and organized the newest technology development of DGA within the scope of all over the world. ◇ I was responsible for corporation HDYT and Shanghai Kechuang GC Company in technology and business fields. ◇ I organized all team members to learn the national technology standard of GB17623. ◇ I managed to develop product and process document of MT6000 (the first and second generation). ◇ I participated to internal audit according to ISO9000. ◇ I participated in 2009 National Transformer Devices Online Monitoring Technology Communication meeting in Beijing, China. ◇ I assessed to develop and install MT6000 instrument production line. ◇ I was responsible for 500kV Gujiao Transformer Substation Intellectualization Construction project in Shanxi province, budget of ¥2,000,000. ◇ I was responsible for 500kV Yang Cheng Bei Transformer Substation Intellectualization Construction project in Shanxi province, budget of ¥2,200,000. ◇ I was responsible for 500kV Yu Ci Bei Transformer Substation Intellectualization Construction project in Shanxi province, budget of ¥2,200,000. ◇ I was responsible for 500kV Jishan Transformer Substation Intellectualization Construction project in Shanxi province, budget of ¥1,900,000. ◇ I was responsible for 500kV Jincheng Transformer Substation Intellectualization Construction project in Shanxi province, budget of ¥1,900,000. ◇ I was responsible for 500kV Yangquan Transformer Substation Intellectualization Construction project in Shanxi province, budget of ¥1,800,000. ◇ I was responsible for 500kV Changzhi Transformer Substation Intellectualization Construction project in Shanxi province, budget of ¥1,800,000.

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Oct 2010 To date	Beijing HDYT Power Technical Co., Ltd. Director of R&D.	<ul style="list-style-type: none"> ◇ I was responsible for developing MT6000 (3rd generation) DGA online monitoring instrument. <ul style="list-style-type: none"> ➢ I line manage 6 engineers: including 2 hardware engineer, 1 software engineers, 1 GC engineer, 1 structure engineer and 1 chemical engineer. ➢ I led my team to success research all technology fields towards DGA instruments, including separation between oil and dissolved gas, micro combustive gas (ppm) detect, anti electromagnetic interference, and so on. ➢ Up today, I have organized product MT6000 (3rd generation) instruments number over 117 all over the country. ➢ I was responsible for ensuring that MT6000 (3rd generation) instruments are in normal running state all over whole life cycle. ➢ I led my team to success finish third-party testing about MT6000 (3rd generation) instruments in Southern Grid Company and Human Power Science and Technology Institute. ➢ I managed to develop product and process document and SOP of MT6000 (the 3rd generation). ➢ I get 1 invention patent and 2 utility model patents (details above). ◇ I am responsible for developing MT6000 (4th generation) DGA online monitoring instrument. <ul style="list-style-type: none"> ➢ I line manage 8 members: including 2 hardware engineer, 1 software engineers, 1 GC engineer, 1 structure engineer, 1 chemical engineer, 1 test engineer and 1 trainee. ➢ I led my team to success develop newest and fastest method of separation between transformer oil and dissolved gas within principle of vacuum. ➢ I led my team to success develop GC new detecting method with principle SnO2. ➢ I led my team to success research Non-Dispersive Infra-Red (NDIR) technology for detecting CO2. ➢ I led my team to success develop GC column for separating mixing gases of: H2, CO, CH4, C2H4, C2H6 and C2H2. ➢ I led my team to success finish third-party testing about MT6000 (4th generation) instruments in National Electric Power Science Research Institute (NEPSRI). ➢ I managed to develop product and process document and SOP of MT6000 (the 4th generation). ➢ I develop PM skill of setting target, quality control, cost control, schedule control, communication skill, team members performance management, purchasing management and risk analyse skill. ➢ I have finished 3 invention patents and 4 utility model patents (details above). ◇ I am responsible for technology and Production Corporation between HDYT and Serveron, BPLG, USA. <ul style="list-style-type: none"> ➢ I line manage 3 engineers. ➢ I am responsible for making whole management plan. ➢ I am responsible for analysis the structure and electronic PCB. ➢ I manage to develop and ensure the approved vender list (AVL). ➢ I am responsible for communicating directly with Supply Chain Operations of BPL Global.
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UK-SPEC

Detailed Support Evidence for C-Eno Recognize MIET Chen Guann An.110030590	
The Competence and Commitment Standards	Evidence and Examples of
<p>Use a combination of general and specialist engineering knowledge and understanding to optimise the application of existing and emerging technology.</p> <p>A1 This could include an ability to:</p> <ul style="list-style-type: none"> Identify the limits of own personal knowledge and skills Strive to extend own technological capability Broaden and deepen own knowledge base through research and experimentation. <p>Maintain and extend a sound theoretical approach in enabling the introduction and exploitation of new and advancing technology and other relevant developments.</p> <p>Engage in the creative and innovative development of engineering technology and continuous improvement systems.</p> <p>This could include an ability to:</p> <ul style="list-style-type: none"> Establish users' needs Assess marketing needs and contribute to marketing strategies Identify constraints and exploit opportunities for the development and transfer of technology within own chosen field Promote new applications when appropriate Secure the necessary intellectual property rights Develop and evaluate continuous improvement systems. <p>A2</p> <p>Apply appropriate theoretical and practical methods to the analysis and solution of engineering problems.</p> <p>B</p> <p>Identify potential projects and opportunities.</p> <p>This could include an ability to:</p> <ul style="list-style-type: none"> Explore the territory within own responsibility for new opportunities Review the potential for enhancing engineering products, processes, systems and services Use own knowledge of the employer's position to assess the viability of opportunities. <p>B1</p>	<p>Conduct appropriate research, and use the results in the development of engineering solutions.</p> <p>This could include an ability to:</p> <ul style="list-style-type: none"> Identify and agree appropriate research Assemble the necessary resources Carry out the necessary tests Collect, analyse and evaluate the results Draft, present and agree design requirements Account of cost, quality, safety, reliability for purpose and environmental impact Undertake engineering design <p>B2</p> <p>Implement design solutions, and evaluate their effectiveness.</p> <p>This could include an ability to:</p> <ul style="list-style-type: none"> Ensure that the application of the design meets the appropriate practical outcome Implement design solutions, taking constraints Determine the criteria for evaluation Evaluate the outcome against the criteria Actively learn from feedback on re-design solutions and build best practice <p>B3</p> <p>C Provide technical and commercial leadership.</p> <p>Plan for effective project implementation.</p> <p>This could include an ability to:</p> <ul style="list-style-type: none"> Identify the factors affecting the project Lead on preparing and agreeing it and method statements Ensure that the necessary resources are available Negotiate the necessary contracts with other stakeholders (client, subcontractors) <p>C1</p>
<p>Plan, budget, organise, direct and control tasks, projects and resources.</p> <p>This could include an ability to:</p> <ul style="list-style-type: none"> Set up appropriate management systems Agree quality standards, programme and budget <p>C2</p> <p>Organise and lead work teams, coordinating project activities.</p> <ul style="list-style-type: none"> Ensure that variations from quality standards, programme and budgets are identified, and that corrective actions are taken Gather and evaluate feedback, and recommend improvements. <p>C3</p> <p>Bring about continuous improvement through quality management.</p> <p>This could include an ability to:</p> <ul style="list-style-type: none"> Promote quality throughout the organisation and customer and supplier networks Develop and maintain operations to meet quality standards Direct project evaluation and propose recommendations for improvement <p>C4</p> <p>Demonstrate effective interpersonal skills.</p> <p>Communicate in English with others at all levels.</p> <p>This could include an ability to:</p> <ul style="list-style-type: none"> Contribute to, chair and record meetings and discussions Prepare letters, documents and reports on company matters Exchange information and provide advice to technical and non-technical colleagues. <p>D1</p>	<p>Plan, budget, organise, direct and control tasks, projects and resources.</p> <p>This could include an ability to:</p> <ul style="list-style-type: none"> Set up appropriate management systems Agree quality standards, programme and budget <p>C2</p> <p>Organise and lead work teams, coordinating project activities.</p> <ul style="list-style-type: none"> Ensure that variations from quality standards, programme and budgets are identified, and that corrective actions are taken Gather and evaluate feedback, and recommend improvements. <p>C3</p> <p>Bring about continuous improvement through quality management.</p> <p>This could include an ability to:</p> <ul style="list-style-type: none"> Promote quality throughout the organisation and customer and supplier networks Develop and maintain operations to meet quality standards Direct project evaluation and propose recommendations for improvement <p>C4</p> <p>Demonstrate effective interpersonal skills.</p> <p>Communicate in English with others at all levels.</p> <p>This could include an ability to:</p> <ul style="list-style-type: none"> Contribute to, chair and record meetings and discussions Prepare letters, documents and reports on company matters Exchange information and provide advice to technical and non-technical colleagues. <p>D1</p> <p>Present and discuss proposals.</p> <p>D2</p> <p>This could include an ability to:</p> <ul style="list-style-type: none"> Prepare and deliver presentations on strategic matters Lead and sustain debates with audiences Feed the results back to improve the proposals. <p>D3</p> <p>Personal and social skills.</p> <p>This could include an ability to:</p> <ul style="list-style-type: none"> Know and manage own emotions, strengths and weaknesses Be aware of the needs and concerns of others Be confident and flexible in dealing with new and changing interpersonal situations Identify, agree and lead work towards collective goals Create, maintain and enhance productive working relationships, and resolve conflicts. <p>Demonstrate a personal commitment to professional standards, recognising obligations to society, the profession and the environment.</p> <p>Comply with relevant codes of conduct.</p> <p>This could include an ability to:</p> <ul style="list-style-type: none"> Comply with the rules of professional conduct of own professional body Lead work within all relevant legislation and regulatory frameworks, including social and employment legislation. <p>Manage and apply safe systems of work.</p> <p>This could include an ability to:</p> <ul style="list-style-type: none"> Identify and take responsibility for own obligations for health, safety and welfare issues Ensure that systems satisfy health, safety and welfare requirements Develop and implement appropriate hazard identification and risk management systems Manage, evaluate and improve these systems. <p>E2</p> <ul style="list-style-type: none"> In the beginning of DGA instrument MT6000(4th edition) development, many engineers don't clear the develop principle for complex system. I analyzed the system complexity combined with development experience and conducted to a presentation named <i>How to Finish Complex System Design</i> and I suggested adopting high cohesion & low coupling model. At the end of meeting, most of leaders, experts and engineers agreed with me and the project process successfully. As a representative, I took part in the technical exchange conference organized by National Grid in 2011. The orientation is to establish the limit of detection of C2H2 (ethylene). Before the conference, the on-line monitoring limit of detection of C2H2 (ethylene) was equal to off-line detecting, which was 0.1 ppm. After the conference, I illustrated practical situation and effort, the experts changed on-line monitoring standard to 0.5 ppm and they modified the <ul style="list-style-type: none"> I will carry my point to finish one thing need 4-5 persons to support, I will organize meeting to explain the goal, methods and responsibilities of every one. Frequently, one or two persons won't do what I asked for. I will talk with them privately about the thing to ensure the true reasons. After that, I will make them do what I ask for voluntarily. I am a warm hearted man. I help other no matter when and where if only he needs. One day after Chinese festival, one of my colleagues suddenly was attacked by convulsions illness. I and another colleague Lin Xiao Hong saved him at once. And then I send him to nearest hospital driving my private car right away. At last he was out of life danger because we unremitting efforts. I and Lin were both very As director of R&D, I commit to all relevant legislation in China, including: <i>Labor Law, Contract Law</i>, and so on. As a PM and an engineer, I abide by relevant codes of conduct strictly. I keep secret of company strictly. I carry out formal H&S training named <i>Safe Work Specification in Power Transformer Substation</i> for all of my team members termly. In my company, we carry out safety audits twice per year according to <i>ISO28000</i> by the third party institution. I am responsible for DGA laboratory which is the base matrix of research combine with tiny quantity of CO (carbon monoxide) (under 50 ppm in air). For the sake of safe, I fix exhaust system to each GC instrument for the safe of team members.

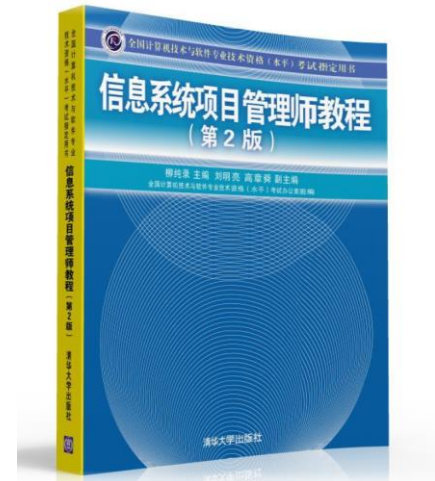
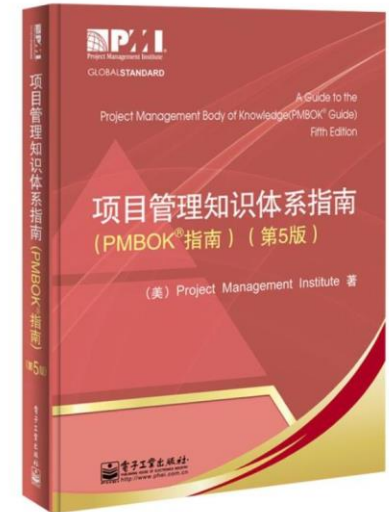


UK-SPEC

能力点	关键点	方法
A1	Theoretical Approach	教育经历
A2	Creative and Innovation	成果（论文，专利，项目）
B1	Identify potential projects and opportunities	理论与实践相结合 学以致用
B2	Conduct appropriate research	研究能力，创新能力
B3	Implment design solutions	设计能力，工程实践
C1	PP-Project Plan	项目策划
C2	PM-Project Management	项目管理
C3	TM-Teamwork Management	人力资源管理
C4	QM-Quality Manegement	质量管理
D1	Good English	现场沟通，材料
D2	Project Communication	工程沟通能力
D3	Personal Communication	个人沟通能力
E1	good professional ethics	职业道德
E2	Manage and apply safe	职业安全
E3	Sustainable Development	环境安全
E4	CPD	个人发展和团队发展
E5	Professional Ethics	职业道德

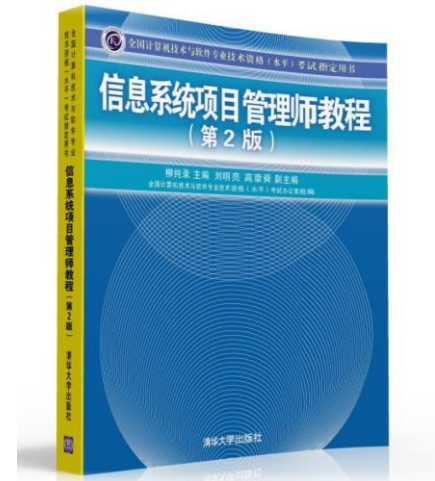
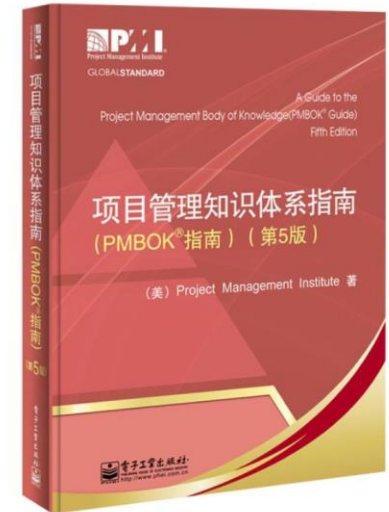
PMBOK

知识域	项目管理过程组				
	启动	计划	执行	监督和控制	收尾
1-整体管理	制定项目章程	制定项目管理计划	指导与管理项目执行	监控项目	项目收尾
	初步范围说明	计划		变更控制	
2-范围管理		范围规划		范围确认	
		范围定义		范围控制	
		创建WBS			
3-进度管理		活动定义		进度控制	
		活动排序			
		活动资源估算			
		活动历时估算			
		制定进度计划			
4-成本管理		成本估算		成本控制	
		成本预算			
5-质量管理		质量规划	质量保证	质量控制	
6-人力资源管理		人力资源计划	组建团队	管理团队	
			团队建设		
7-沟通管理		沟通计划	信息发布	绩效报告	
				干系人管理	
8-风险管理		风险管理计划		风险监控	
		风险识别			
		定性风险分析			
		定量风险分析			
		风险应对计划			
9-采购管理		采购计划	招标	合同管理	合同收尾
		编制合同	供方选择		

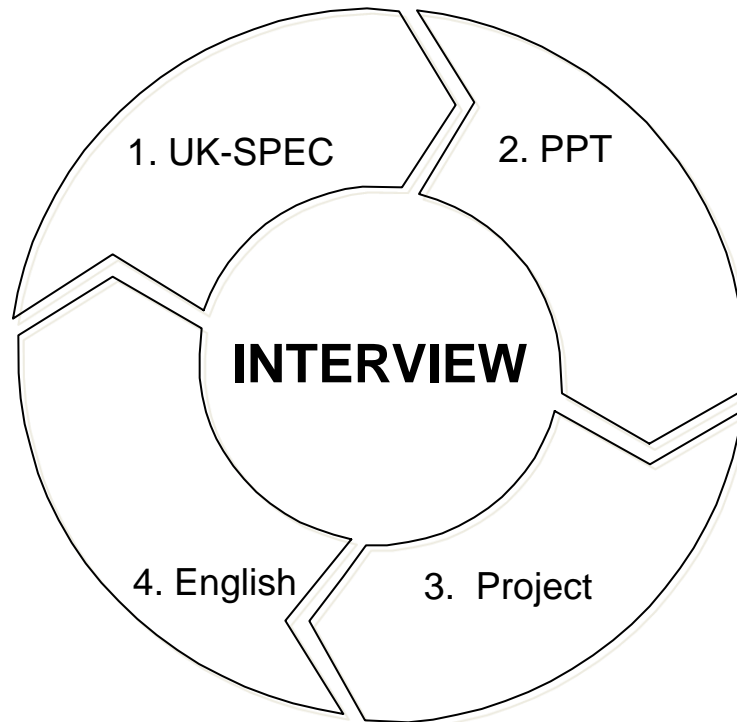
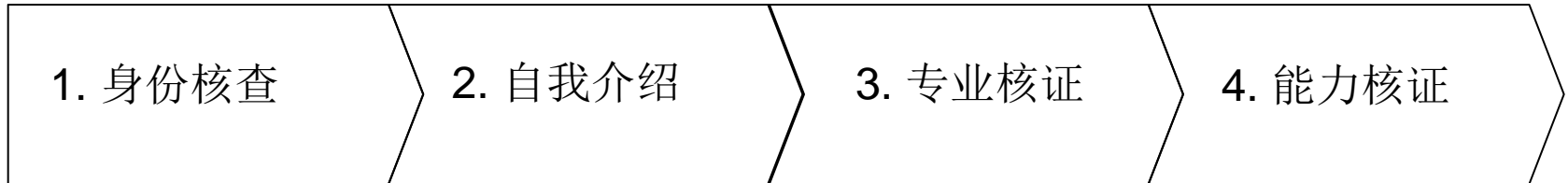


PMBOK

知识域	项目管理过程组				
	启动	计划	执行	监督和控制	收尾
1-整体管理	制定项目章程	制定项目管理计划	指导与管理项目执行	监控项目	项目收尾
	初步范围说明			变更控制	
2-范围管理		范围规划		范围确认	
		范围定义		范围控制	
		创建WBS			
3-进度管理		活动定义		进度控制	
		活动排序			
		活动资源估算			
		活动历时估算			
		制定进度计划			
4-成本管理		成本估算		成本控制	
		成本预算			
5-质量管理		质量规划	质量保证	质量控制	
6-人力资源管理		人力资源计划	组建团队	管理团队	
			团队建设		
7-沟通管理		沟通计划	信息发布	绩效报告 干系人管理	
8-风险管理		风险管理计划		风险监控	
		风险识别			
		定性风险分析			
		定量风险分析 风险应对计划			
9-采购管理		采购计划	招标	合同管理	合同收尾
		编制合同	供方选择		



面试的步骤与细节



PRESENTATION

My Main Design

YTB400 → **MT6000-I** → **MT6000-II** → **MT6000-III** → **MT6000-IV**

- YTB400 (2005-2007):**
 - Basic Model of DGA on line monitor.
 - Pre-MT6000 Edition.
- MT6000-I (2008-2009):**
 - Full optimize YTB400.
 - New design of GC unit.
- MT6000-II (2010-2011):**
 - New design of separate unit with membrane.
- MT6000-III (2012-2013):**
 - System optimize 7 steps of DGA.
 - Enhance measure accuracy.
 - New design of CO2 detector with NDIR.
- MT6000-IV (Apr. 2013-Today):**
 - Full optimize MT6000 System.
 - New design of separate unit with vacuum degas.
 - New design of GC with SnO2.

My Engineering Solutions

The quantity of my most important design production, named of MT6000(pre. 1st, 2nd, 3rd, 4th), is about 276 in China and 4 in Russia. They are installed over 50 transformer substations all over the country, including 110kV, 220kV, 330kV, 500kV, 750kV and ±800kV, half of them I had offered service myself.

No.	Substation	Substation Num	DGA Num
1	110kV	4	4
2	220kV	19	34
3	330kV	2	3
4	500kV	21	118
5	750kV	3	30
6	±800kV	4	84
7	other	2	7
TOTAL		55	280

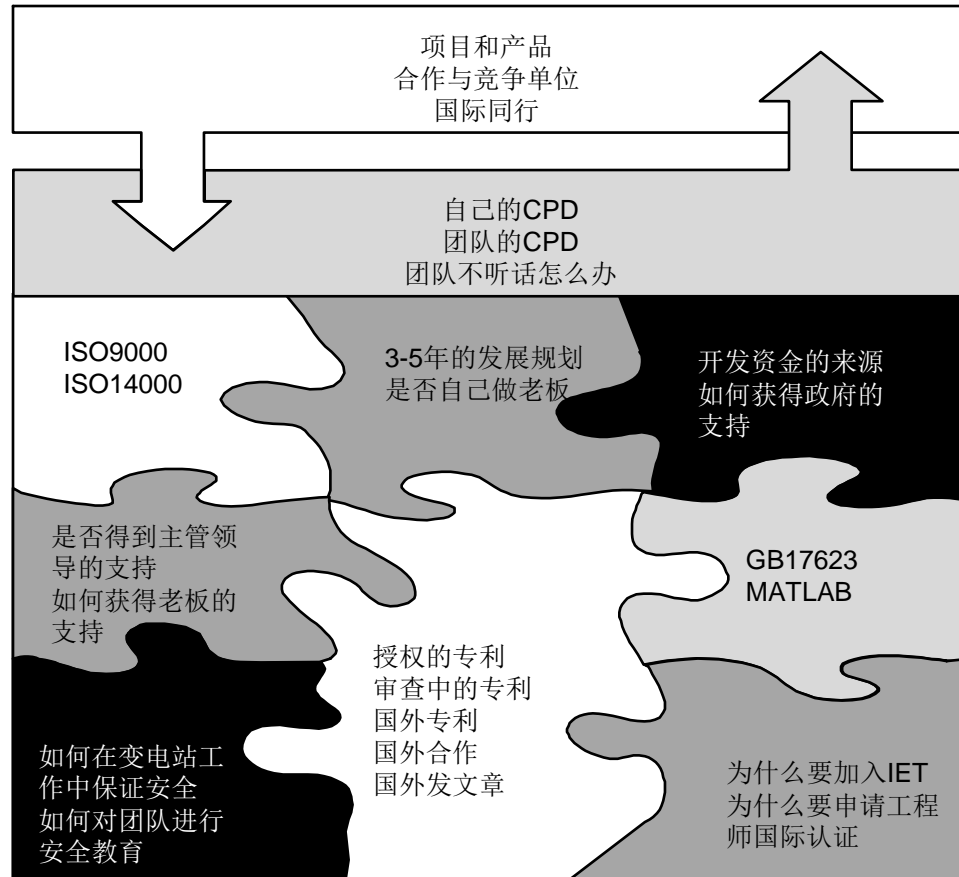
No.	DGA	Substation Num	DGA Num
1	YTB400	19	65
2	MT6000-I	23	79
3	MT6000-II	4	63
4	MT6000-III	6	55
5	MT6000-IV	3	18
TOTAL		55	280

My Engineering Solutions

Continuous Improvement

- Postgraduate**
- Graduation (2005-2008)**
 - CET-6
 - Computer Certificate
- Tech Engineer (2009-2010)**
 - DGA Research
 - NDIR Research
- Senior Engineer (2011-2013)**
 - PMP/OK
 - 55 Engineer Projects
 - Director of R&D
- Next Goal (2013-2014)**
 - GIS Monitor Research
 - Moisture Research
 - International thought
 - Practice C-Eng standard

Questions n Presentation



总结

1个核心

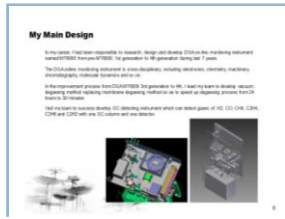
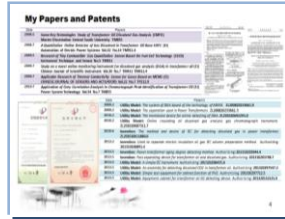
- UK-SPEC
- 5个方面
- 17项基本素质



UK-SPEC
UK STANDARD FOR PROFESSIONAL
ENGINEERING COMPETENCE

2个精心

- 精心准备材料
- 精心完成面试



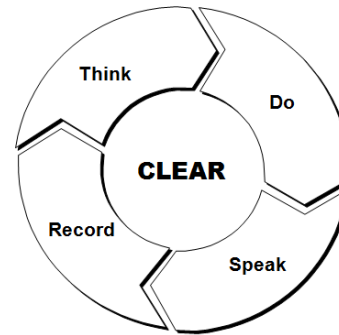
3个经历

- 学习经历
- 工作经历
- 项目经历



4个清楚

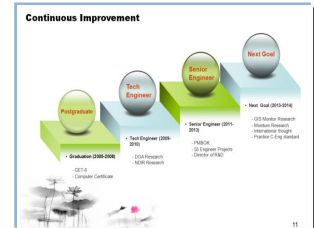
- 想清楚
- 做清楚
- 说清楚
- 写清楚



5个注重

- 注重细节
- 注重创新
- 注重应用
- 注重责任
- 注重持续

經世致用



感谢大家的聆听

Thank you

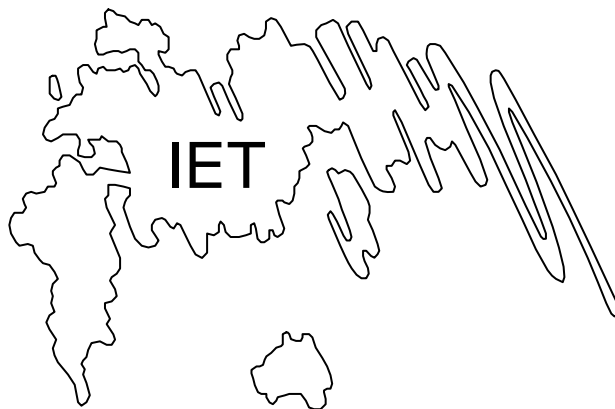


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Collective inspiration

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