

INDUSTRY CLASSIFICATION

(F) - Power Generation - Non-Nuclear

AGE AT INTERVIEW

31

ELECTION OR TRANSFER TO:

Member

FIRST DEGREE

2:2 Hons. from Liverpool Univ. in Mechanical Engineering, 1997.

SUBSEQUENT DEGREES AND OTHER QUALIFICATIONS - None**EXPERIENCE PRIOR TO PRESENT POSITION**

National Grid Company, 1992-1994 - CEng Development Scheme Trainee (2 years); Primary Engineer (11 months); Work Scheduler (5 months).

PRESENT POSITION

National Grid Company, 1994-present. Engineer. Senior Authorised Person since 1993. Duties include:

- Organising and planning outages on LV and HV (up to 400kV) equipment; forms teams of up to 20/30 strong, depending on size of project.
- Providing on-site safety management for large projects (up to £15M).
- Mentoring others in, e.g., HV switching and S.A.P. training on a day-to-day basis.
- Providing technical specifications and advice; carried out strategic redesign/conversion of HV substation from mesh to double busbar design.
- Organising and carrying out fault investigations.
- Monitoring compliance with NGC safety rules, procedures and legislation.

STAFF REPORTING - PROFESSIONAL

0

TECHNICAL

5 (but see above)

MANUAL

3

OTHER

0

INTERVIEWERS' COMMENTS**A Demonstrate knowledge and understanding of engineering principles**

Key elements of competence	Examples of meeting A
maintains a sound theoretical approach to technology applies a creative approach to problem solving introduction/exploitation of emerging technologies promotes innovation and advances in technology	In his present rôle sound theoretical knowledge is essential for application and safety. Resourceful in solving problems at remote sites. Recommended new approaches to site problems, many of which have been accepted.

B Demonstrate practical application of engineering knowledge and expertise

Key elements of competence	Examples of meeting B
takes initiative to identify potential projects and opportunities participates in or specifies research, design and development plans and implements solutions evaluates solutions identifies what has been learnt from the activity	Involved in improvements to installations and the imparting of this knowledge to others. Prepares method statements and risk assessments. Reviews each completed project, noting any commissioning aspects for future reference.

C Leadership and management

Key elements of competence	Examples of meeting C
<p>experience of effective project planning and implementation</p> <p>manages and plans budgets, tasks, people and/or other resources</p> <p>ensures team members have appropriate skills</p> <p>contribution to continuous improvement via quality management</p>	<p>Manages electro-mechanical contractors, including safety aspects.</p> <p>Qualified trainer in essential safety disciplines.</p> <p>Is usually only professional engineer on site.</p> <p>Quality management is an important factor in site safety.</p>

D Communication and inter-personal skills

Key elements of competence	Examples of meeting D
<p>demonstrates oral communication skills</p> <p>displays written communication skills</p> <p>has the ability to present and discuss ideas and plans</p> <p>ability in team building and negotiating activities</p>	<p>Confident, friendly, clear and concise.</p> <p>PRR is well constructed.</p> <p>Weekly team review meetings.</p> <p>Relates well to subordinates and (remote) manager.</p>

E Professional conduct

Key elements of competence	Examples of meeting E
<p>compliance with codes and rules of conduct of the profession</p> <p>application and management of safe systems of work</p> <p>familiar with relevant legislation especially health, safety, risk and the environment</p> <p>displays a commitment to undertake continuing professional development, including a personal Development Action Plan</p> <p>demonstrates involvement with the IMechE, other professional engineering Institutions, schools, colleges or local other community activities</p>	<p>Conversant with current legislation and follows set procedures to the letter.</p> <p>Holds formal HV (400kV) safety qualifications.</p> <p>Yes - his whole working life revolves around site safety.</p> <p>Has started a development programme towards becoming a commissioning engineer.</p> <p>Not currently a Member of IMechE.</p>

COMPETENCES AWARDED

A	B	C	D	E
3	4	3	3	3
3	3	4	3	3

PANEL RECOMMENDATION

Elect to Member

MEMBERSHIP COMMITTEE DECISION

Elect to Member