

INDUSTRY CLASSIFICATION (G) - Royal Air Force

AGE AT INTERVIEW 29

ELECTION OR TRANSFER TO: Member

FIRST DEGREE 2:2 Hons. from Univ. of Bath in Mechanical Engineering, 1991.

SUBSEQUENT DEGREES AND OTHER QUALIFICATIONS - None

EXPERIENCE PRIOR TO PRESENT POSITION

RAF College Cranwell, 1991-1992 - Initial & Engineer Officer training Part 1.
 RAF Lyneham, 1993-1994 - Shift Officer.
 RAF College Cranwell, 1994-1995 - Engineer Officer training Part 2.
 RAF St. Athan, 1995-1997 - O/C B Flight, 8 Squadron.
 RAF HQ Strike Command, 1997-1998 - Hercules Role Office.
 RAF HQ Logistics Command, 1998-1999 - Aide de Camp to RAF Chief Engineer.

PRESENT POSITION

RAF Wyton, 1999-2000. Flight Lieutenant, Hawk Structures - Training Aircraft Integrated Project Team. As structural specialist for Hawk aircraft, duties included:

- Delegated authority for air-worthiness and finance.
- Initiating and monitoring fault investigations; fed back proposals for design improvements.
- Overseeing Hawk Fatigue Test and Operational Loads Measurement Programme (Red Arrows tailplane problem).
- Pilot's licence.
- Was finalist in two categories for Welsh Woman of the Year award, 1997.

October 2000 - promoted to Squadron Leader and moved to RAF College Cranwell as Head of Engineering Liaison. Duties include:

- Recruiting around schools and colleges for the engineering arm of the RAF.
- Is studying for an MDA (Master of Defence Administration) at Cranfield University.

<u>STAFF REPORTING -</u>	<u>PROFESSIONAL</u>	0
	<u>TECHNICAL</u>	1
	<u>MANUAL</u>	0
	<u>OTHER</u>	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	Major aspect of work is problem solving. Positive attitude and detailed involvement. Designed and implemented an improved chemical cleaning facility. Continued involvement in updating and improving aircraft. Responsible for releasing aircraft with non-critical faults to fly.

B Demonstrate practical application of engineering knowledge and expertise

Key elements of competence	Examples of meeting B
<p>takes initiative to identify potential projects and opportunities</p> <p>participates in or specifies research, design and development</p> <p>plans and implements solutions</p> <p>evaluates solutions</p> <p>identifies what has been learnt from the activity</p>	<p>Red Arrows tailplane monitoring and analysis project.</p> <p>Cost saving exercise cut servicing time from ~300 to ~100 hours.</p>

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>Essential part of work and necessary for safety.</p> <p>RAF Flight Commander for C130J technical staff team.</p> <p>Recommended improvements based on flight records.</p> <p>Is responsible for quality procedures.</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>Excellent.</p> <p>Very detailed report, well put together.</p> <p>Management team brainstorming experience.</p> <p>Very strong team skills.</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>Essential part of work and necessary for safety.</p> <p>Directly responsible for Health & Safety issues.</p> <p>Presented 10-year Development Plan.</p> <p>New appointment involves visiting schools and universities explaining the rôle of the professional engineer. Totally committed.</p>

COMPETENCES AWARDED

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

PANEL RECOMMENDATION

Transfer to Member - recommended nominee for Karen Burt Award.

MEMBERSHIP COMMITTEE DECISION

Transfer to Member