

### Introduction

Please refer to the Guidance Notes provided, before completing each box, providing evidence to show how you have demonstrated that competence.

### Your Details

Name

Membership Number

### Competence A

**A1**

During my professional work experience as Senior Mechanical Reliability Engineer at Norske Skog, I consistently worked on maintaining and extending a sound theoretical approach in enabling the introduction and exploitation of new and advancing technology and other relevant developments. I identified the project personal knowledge limits and strived towards extending technological capability. I further broadened and deepened the knowledge which was done from research and experimentation. I consistently worked on applying mechanical engineering knowledge and skills. I ensured the correct preventative and predictive equipment maintenance is in place to achieve maximum equipment reliability and required availability. I made sure to ensure the correct preventative and predictive maintenance which was entered within the Maintenance Management system. I consistently led RCA processes and ensured that statutory obligations were met from best practice maintenance and engineering guidelines. I identified and managed 'Opportunity for Improvement' (OFI) which provided for plant and process performance and cost optimisation across the business.

**A2**

During my professional tenure as Senior Mechanical Reliability Engineer at Norske Skog, I engaged in the creative and innovative development of engineering technology and continuous improvement systems. I established users' needs and assessed marketing needs and contributed to marketing strategies. I identified constraints and exploited opportunities for the development and transfer of technology within own chosen field. I always made sure to promote new applications when appropriate and secured the mandatory intellectual property rights. I developed and evaluated continuous improvement systems. I managed allocated budgets, contracts and cost controls. I provided support for maintenance activities (shuts, start-ups, and breakdowns). I managed engineering requests and approval processes. I ensured appropriate engineering analysis and project viability takes place to guarantee appropriate return on investment and project outcomes. I ensured adherence to standards for project scoping, design, review and commissioning. I ensured appropriate tendering processes to ensure tendering companies meet NST requirements. I participated in supporting and maintaining NST engineering standards and processes.

**Competence B****B1**

During my project activities execution at Spotless Group, I identified potential projects and opportunities which further led towards exploring the territory within the defined responsibility for new technologies. I made usage of knowledge of employer's position for assessing the opportunities viability. I always worked of the ownership of the asset management function with focus on portfolio management (\$600m), maintaining defence force assets across 3 bases, CAPEX/OPEX budgeting, asset disposal, SCADA, gap analysis and business case studies. I developed the Annual Strategic Asset Replacement Plan (SARP) - a 30-year long-term plan, minor contract edits and maintenance schedules while working closely with clients, contractors, stakeholders and senior management. I organised the placement and upgrading of facilities; reviewing hangar specifications and AFFF systems, for the Singapore Air Force to train at NZ's Airbase.

**B2**

While working at Dominion Salt Ltd, I conducted appropriate research and undertook design and development of engineering solutions. I identified and agreed appropriate research methodologies with assembling attained of the mandatory resources. I carried out necessary testing with collecting, analysing and evaluating the relevant data. I always made sure to draft, present and agreed design recommendation with further taking into consideration the quality, safety, reliability, and cost for environmental impact of the outcome. I utilised Lean principles to maintain company plant, equipment and property with strengths in maximising plant availability, asset life and equipment safety while ensuring effective service to product units and departments. I mentored a mechanical fitter/apprentice with focus on task delegation, training and evaluating work performance.

**B3****Competence C****C1**

=====TO BE CONTINUED=====

**C2**

=====TO BE CONTINUED=====



C3

=====TO

BE

CONTINUED=====

=====TO BE CONTINUED=====

C4

### Competence D

D1

=====TO BE CONTINUED=====

D2

=====TO BE CONTINUED=====

D3

=====TO BE CONTINUED=====

### Commitment E

E1, E2, E3, E4, E5

While working at Spotless Group, I developed the Annual Strategic Asset Replacement Plan (SARP) with a 30-year long-term plan, minor contract edits and maintenance schedules while working closely with clients, contractors, stakeholders and senior management. I organised the ethical conduct which was for performing the placement and upgrading of facilities; reviewing hangar specifications and AFFF systems, for the Singapore Air Force to train at NZ's Airbase. I made sure to always comply with the professional conduct rules of own professional body and led work within all relevant legislation and regulatory frameworks including all the employment and social legislation. I consistently identified and took responsibility for own obligation for health, welfare and safety issues. I further ensured the development and implementation of appropriate hazard identification with further managing the risk systems. I also managed, evaluated, and improved the system which further made inclusion of operational and acting responsibilities. I managed the social and economic outcomes simultaneously and used creativity and innovation for providing product and services which overall maintained and enhanced the environment quality and meeting the financial objectives. I consistently worked on planning the CPD activities and maintained competence development evidence with further evaluation made of the CPD outcomes against the action plans.

Candidate Signature

Date

Supporters Name

Supporter Signature

Date

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