

# M&P OCCUPATIONAL GUIDELINE

## JOB FAMILY: SCIENTIFIC ENGINEERING Level C, Pay Grade 8

<b>LEVEL DEFINITION</b>	This level covers positions responsible for the facilitation, coordination and undertaking of research related to the development of experimental machines or engines. This applies to scientific engineers responsible for planning, design, specification, construction, installation, and maintenance of scientific research equipment involving the supervision of technicians or coordination and advice to those constructing components or equipment.
<b>TYPICAL RESPONSIBILITIES</b>	May include: analysing and planning engineering aspects of projects and equipment; advising or deciding on layout, design, feasibility and economics of purchasing or building and use of equipment; conducting or advising on research projects; programming data for compiling and analysis; advising acquisition of new system or systems construction incorporating new equipment/techniques available in the market; inspecting, testing, installing, and maintaining new equipment.
<b>DECISION MAKING /LEVEL OF ACCOUNTABILITY</b>	Exercises professional judgment and initiative in assessing design and testing approaches for equipment, and advising on projects.  Recommendations guarantee the development of solid and efficient designs.
<b>SUPERVISION RECEIVED</b>	Works independently under general direction from Project Directors or client departments. Results are subject to general review on completion.
<b>SUPERVISION EXERCISED</b>	May directly supervise or coordinate the activities of technical staff in the construction and preparation of experimental equipment.
<b>MINIMUM QUALIFICATIONS</b>	Undergraduate degree in Engineering or Applied Science. Minimum of five years of related experience, or the equivalent combination of education and experience.