



## **Job Profile**

### **NDT Training Instructor (Full or Part-time)**

#### **OVERALL ACCOUNTABILITY**

CINDE NDT Instructors are accountable to the Training Administrator for the professional delivery of educational materials and certification courses in a variety of training environments and locations. The material focuses on, but is not limited to, the body of knowledge and requirements as defined by IAEA-TECHDOC-628, ISO 9712, CAN/CGSB48.9712-2000 or ASNT SNT-TC-1A for Non-Destructive Testing (NDT) or inspection techniques as follows:

1. Level 1, 2 and 3 training for NDT, principally MT, PT, UT, ET and RT.
2. Materials and Processes.
3. Certified Exposure Device Operators (CEDO) training.
4. Math Preparation.
5. Other professional development courses.

#### **RESPONSIBILITIES**

CINDE instructors are responsible for professionally executing the following tasks:

1. Prepare and maintain training facilities and equipment.
2. Manage students in a classroom, workshop or lab setting to meet training schedules.
3. Present training materials using a variety of formats.
4. Explain training materials using practical examples based on field experience.
5. Demonstrate NDT inspection techniques using a variety of OEM equipment
6. Monitor students tests and exams in a classroom, workshop or lab setting.
7. Maintain accurate attendance records.
8. Submit final marks and respond to student feedback.
9. Provide input to improve course materials and delivery methods.
10. Acquire new certifications as needed to support the goals of CINDE.
11. Maintain existing certifications as needed to support the goals of CINDE.
12. Identify training and development needs for self and others.
13. Mentor and coach other instructors.
14. Maintain a network of internal and external contacts to improve knowledge base and stay abreast of new instruction technologies.
15. Provide input into the assessment of group or team behavior, support change and model professional behavior.
16. Support international training and other CINDE projects.

#### **QUALIFICATIONS**

1. College diploma or engineering degree in a technical discipline. (NDT inspection, quality control, metallurgy, chemistry, environmental sciences, mechanical, electrical, instrumentation, fluid power)
2. CGSB Level Two certification in MT, PT, UT and either of ET or RT, or equivalent.
3. CGSB Level Three certification in any 2 of MT, PT, UT, ET or RT, or equivalent.
4. Technical certification relevant to NDT. (CWSB, API, TSSA, etc.) is desirable.
5. Trade certification, (mechanical, electrical, instrumentation, fluid power) is desirable.
6. Experience in the delivery of training materials and technical information to adult learners is desirable.

#### **SKILLS**

1. Excellent use of NDT hardware and software.
2. Excellent communication skills. (verbal, reading, writing and listening)
3. Excellent presentation skills using a variety of mediums (white boards, easels, Power Point) and props (equipment, samples, specimens)
4. Excellent facilitation skills to promote conversation and discussion.
5. Good use of software programs such as Microsoft Office, Word, Power Point, and Excel.
6. Basic welding, fitting, fabrication and equipment maintenance skills.
7. Basic use of Quality Control tools.

#### **KNOWLEDGE**

1. Mechanical aptitude and basic knowledge of skilled trades. (mechanical, electrical, instrumentation etc.)
2. Good knowledge of specific trades. (mechanical, electrical, instrumentation, fluid power)
3. Good working knowledge of software programs such as Microsoft Office, Word, Power Point, and Excel.
4. Good working knowledge of NDT hardware and software.
5. Basic knowledge of manufacturing processes and Quality Management Systems.

**HOURS of WORK** Instructor classroom hours for day courses are typically 8:30 AM – 4:30 PM, Monday to Friday.