NACE CATHODIC PROTECTION 1 – Tester (CP1)

The world's leading source of training and information on coating inspection organized by IMC engineering S.r.l.

The CP 1 – Cathodic Protection Tester course provides both theoretical knowledge and practical techniques for testing and evaluating data to determine the effectiveness of both galvanic and impressed current CP systems and to gather design data.

Classroom instruction is comprised of lectures and hands-on training, including using equipment and instruments for CP testing. A practical exam is administered at the end of the course. Successful completion of the exam is required to earn a certificate of completion.

There are no prerequisites for this course.

For more information please contact training@imc-quorum.com

Learning Objectives

- ✓ Recall the basics of electricity, electrical laws, electrochemistry, corrosion, and CP theory
- ✓ Define how polarity is related to current flow and metal corrosion activity
- ✓ Conduct tests to identify shorts and continuity tests in CP systems
- ✓ Use test instruments to perform a variety of field tests such as structure-to-soil potentials, voltage and current measurements, soil resistivity, pipe/cable locating, and rectifier readings
- ✓ Define CP components including impressed current systems, galvanic anodes, and test stations
- ✓ Read shunts and recognize their use in rectifiers, bonds and anodes
- ✓ Perform periodic surveys to confirm the effectiveness of a CP system
- ✓ Recall the use, maintenance, and precautions for reference cells
- ✓ Utilize basic location mapping, report preparation, and recordkeeping
- ✓ Recognize safety issues specific to CP
- ✓ Recall code requirements related to CP

LOCATION:	PLACE TO BE DEFINED
DURATION:	5-Day Classroom Course - (the end time may change at the discretion of instructors) • Sunday - Thursday: 08:00 to 18:30 • Friday (exam day): 08:00 to the end, unless otherwise noted
LANGUAGE:	English