Basic Coatings Inspector (CIP 1) Practical Exam

Exam Preparation Guide

- The CIP 1 Practical exam is closed book and consists of 8 stations, for a total of 100 points. The maximum amount of time allowed at each station is 10 minutes.
- Upon completion of all stations, 10 minutes will be allowed for calculations and double-checking work; instruments are not allowed to be used during this time.
- This hands-on practical exam is administered during the last day of class of the CIP 1 course.
- A Pass/Fail result is provided in the Certification Portal.

Exam Blueprint

Station 1 (20%)
- Environmental Test (20 Points)

Station 2 (20%)
- Anchor Pattern — Comparators and Replica Tape (20 Points)

Station 3 (10%)
- High-Voltage DC Holiday Detector (10 Points)

Station 4 (10%)
- Coating Thickness — Magnetic Pull-off Gauge (Type I) (10 Points)

Station 5 (10%)
- Wet Sponge Low-Voltage Holiday Detector (10 Points)

Station 6 (5%)
- Wet-Film Thickness Gauge (5 Points)

Station 7 (20%)
- Coating Thickness — Constant Pressure Probe (Type II) (20 Points)

Station 8 (5%)
- Soluble Salts (5 Points)

Timing

- Each station is 10 minutes.
- 10 minutes for calculations and review (no instruments shall be used during this time).