

# CIP Work Experience Requirements

## LEVEL 2 Guidelines

**Candidates for NACE CIP Level 2 Certification must satisfy all of the following educational and work experience requirements shown below.**

- A.** Candidate must be Certified as a NACE Level 1 Coating Inspector, **PLUS**
- B.** The certification candidate has a minimum of TWO (2) years' work experience in jobs related to industrial coatings and in addition to the time spent in NACE training, a minimum of TWENTY (20) hours of verifiable and documented experience in the use of non-destructive coating inspection instruments, prior to application for certification. For example, work experience as an industrial coating applicator, which includes the requisite TWENTY (20) hours of experience using non-destructive inspection instruments, **OR**
- C.** The certification candidate has a minimum TWO (2) years' professional work experience, which includes fieldwork. For example working as a coating manufacturer's representative, a practicing representative of a facility owner (or his/her designated agent), or a representative from a licensed professional engineering firm, **AND** a minimum of TWENTY (20) hours of verifiable and documented experience in the use of non-destructive coating inspection instruments

***Note 1:** Candidates experience including the use of non-destructive coating inspection instruments must be documented by the candidate such that it can be verified by NACE.*

***Note 2:** As it is not possible to list all potential types of qualified experience, each submission will be evaluated by NACE to ensure compliance with the intent of the experience requirements noted above.*

### **Additional details on work experience below:**

- 1.** Industrial Coatings are those materials designed for protection of major structures such as Bridges, Ships, Offshore Platforms or Pipelines, applied to surfaces that are suitably prepared (most often by blast-cleaning) and applied most often by airless or conventional airspray systems.
- 2.** All experience referred to herein must be documented and verifiable. It shall be defined in writing and submitted to NACE on approved forms, and be subject to verification before the Certification process can be completed.
- 3.** The work experience defined at B and C above is not necessarily required to follow certification at NACE

CIP Level 1, but may be achieved at any time before or after CIP Level 1 certification. It is required prior to being awarded a CIP Level 2 certification

- 4.** Time spent in training shall not be counted towards the experience requirements of Items B or C above.
- 5.** It is not possible to list all types of experience that may qualify in category C above. It is intended that the work experience shall be largely of a practical nature. Work at a site location is likely to qualify; work in an office is not likely to qualify. Work as an applicator (blaster or sprayer) is likely to qualify, work as a sales representative is not. A list of commonly accepted experience is listed below:
  - a.** Site Supervisor for paint application contractor
  - b.** Blaster and/or sprayer of industrial coatings
  - c.** Coating Manufacturer's Technical Service Representative a practicing representative of a Facility Owner (or his/her designated Agent), or a representative from a licensed professional engineering firm with some site-based responsibilities,
  - d.** Welding inspector with experience of coatings QC in a site environment

## LEVEL 3 Guidelines

**Candidates for NACE CIP Level 3 Certification must satisfy all of the following educational and work experience requirements shown below.**

- A.** The certification candidate has a minimum of FIVE (5) years' work experience as a coatings inspector, prior to application for certification, in jobs related to industrial coatings, **OR**
- B.** The certification candidate has a minimum of FIVE (5) years' work experience in jobs related to industrial coatings and in addition to the time spent in NACE training, a minimum of FIFTY (50) hours of verifiable and documented experience in the use of non-destructive **AND** destructive coating inspection instruments, prior to application for certification. For example, work experience as an industrial coating applicator which includes the requisite FIFTY (50) hours of experience using non-destructive **AND** destructive inspection instruments, **OR**

# LEVEL 3 Guidelines (continued)

- C.** The certification candidate has a minimum FIVE (5) years' professional work experience, which includes fieldwork. For example working as a coating manufacturer's representative, a practicing representative of a facility owner (or his/her designated agent), or a representative from a licensed professional engineering AND a minimum of FIFTY (50) hours of verifiable and documented experience in the use of non-destructive AND destructive coating inspection instruments.

**Note:** Candidates experience including the use of coating inspection instruments must be documented by the candidate such that it can be verified by NACE.

**Note 2:** As it is not possible to list all types of potentially qualifying experience, each submission will be evaluated by NACE to ensure compliance with the intent of the experience requirements noted above.

## Approved Industries

Required experience may be obtained in any of the following industries.

**Note:** This is not an all-inclusive list. Candidates with experience gained in a non-listed industry will be evaluated on a case-by-case basis

1. Marine Transportation/Shipping/Ship Building or Repair
2. Chemical Processing Plants
3. Oil Refinery Facilities, Oil Field Operational Equipment or Offshore Oil platforms
4. Any aspect of the Energy production industry, including Solar, Geothermal, Natural Gas and Nuclear power generation
5. Municipal waterworks, sewage plant and civil infrastructure restoration
6. Transportation facilities, including steel and concrete bridges
7. Buried and above ground pipelines, including high pressure gas transmission lines.
8. Railcar manufacturing and maintenance facilities
9. Water and waste water industry

## Excluded Work Experience

Examples of work experience that will not qualify toward certification prerequisites include, but are not limited to the following:

1. Laboratory technician work without coatings-related field experience;
2. Specification-writing without coatings-related field experience;
3. Protective coatings sales experience without coatings-related field experience.

## Level 3 Subject Areas

Certification candidates are cautioned that satisfying experience requirements for CIP Level 3 Peer certification requires a wide range of experience. Candidates who have highly specialized knowledge in only one industry area are often not successful in achieving certification.

The successful candidate must be able to demonstrate a thorough and complete knowledge in the areas of but not limited to:

- A. Surface Preparation:**
  - a. Surface Preparation Standards and Processes
  - b. Common Surface contamination problems and their respective solutions
  - c. Effect of adverse environmental conditions upon proper surface preparation
- B. Coatings:**
  - a. Chemistry of industrial coatings by type including their curing mechanisms
  - b. Common application problems and limitations
  - c. Common application processes and equipment used, especially plural component
- C. Inspection Procedures, Requirements and Processes:**
  - a. Inspection Standards
  - b. Inspection Procedures
  - c. Inspection Instruments
- D. Evaluation of, and Reporting of, results for each type of instrument**
- E. Documentation procedures and report writing requirements**
- F. Non-technical skills such as, but not limited to:**
  - a. Team Building
  - b. Active Listening Skills
  - c. Ability to avoid conflicts/ ability to negotiate
  - d. Good verbal and written communication skills
  - e. Ability to produce clear, concise and accurate documentation