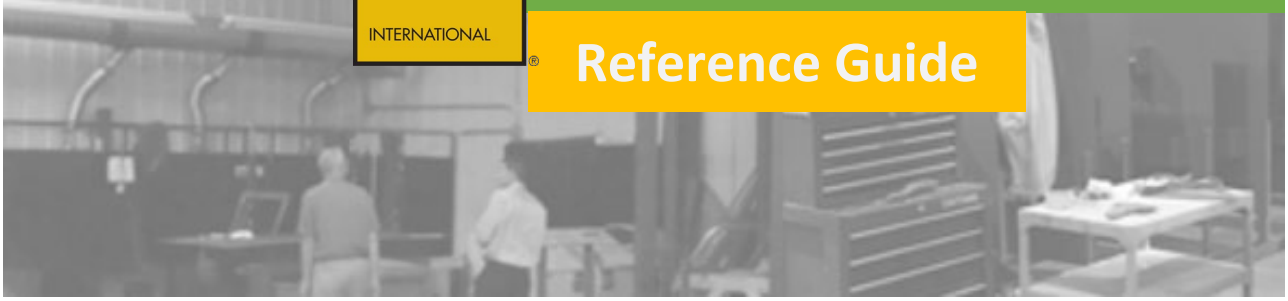
iFTI.edu

Finishing Trades Institute INTERNATIONAL®

Off Campus Courses of Study

Reference Guide



CONTENTS

INTRODUCTION ____ 4
PROCESS OVERVIEW ____ 6
Acronyms and Roles ____ 6
Purpose ____ 7
FULL SPONSORHIP - OFF CAMPUS COURSES ____ 8
GLZ 5009C AGMT (CERTIFICATION) ____ 10
CAS 2105C CAS Level I (CERTIFICATION) ____ 13
CAS 2107C CAS Level II Full (CERTIFICATION) ____ 15
CAS 2014C NACE Certified Coating Applicator (CERTIFICATION) ____ 20
COR 1202S Supervisor Training Program (STP) ____ 22
DISCOUNTED OFF CAMPUS COURSES ____ 24
CPWR Courses ____ 28
COR 1111C Confined Space** (CERTIFICATION) ____ 29
NACE Courses ____ 31
CI 2011C NACE CIP Level I (CERTIFICATION) ____ 32
CI 2006C NACE CIP Level II (CERTIFICATION) ____ 36
NCCCO Courses ____ 39
COR 159C NCCCO Rigger Level I Program (CERTIFICATION) ____ 40
COR 160C NCCCO Mobile Crane (CERTIFICATION) ____ 41
COR 161C NCCCO Signalperson Refresher (CERTIFICATION) ____ 43
COR 193C NCCCO Crane Signal Person (CERTIFICATION) ____ 44
SSPC Courses ____ 47
CAS 2106C CAS Level II Interim (CERTIFICATION) ____ 50
CAS 2800C SSPC C-1 Fundamentals of Protective Coatings (CERTIFICATION) ____ 55
CAS 2801C SSPC C-2 Planning and Specifying Industrial Coatings Projects (CERTIFICATION) ____ 58
CAS 2802C SSPC C-3 Supervisor/Competent Person Training for Deleading of Industrial Structures (CERTIFICATION) ____ 61
CAS 2803C SSPC C-5 Lead Paint Removal Refresher (CERTIFICATION) ____ 64

CAS 2804C SSPC C-7 Abrasive Blasting Program (CERTIFICATION) 66
CAS 2805C SSPC C-12 Spray Application (CERTIFICATION) 70
CAS 2807C SSPC C-14 Marine Plural Component (MPCAC) (CERTIFICATION) 74
COR 1128C SSPC Lead Paint Safety Worker (CERTIFICATION) 78
LMCI Courses 80
LMCI 101 Estimating Essentials 82
LMCI 103 Mutual Gains Bargaining Seminar 84
LMCI 100 Project Management 86
LMCI 104 Soft Skills - Tools for Relationship Success 89
COR 1205 Steward Training 91

INTRODUCTION

The International Finishing Trades Institute (iFTI) recognizes and supports the importance of education, continual learning, skills development and safety awareness of its affiliated members through continued instructor adult education. The iFTI continually offers Train-the-Trainer courses for its instructors on many subjects to increase their subject knowledge so that they are able to accurately articulate curriculum to their students.

The iFTI is committed to apprentice/journeyperson training which is essential to the success of our various skill trade unions and our contractor associations and continued education in the International Union of Painters and Allied Trades (IUPAT). We facilitate a unique learning environment with varying instructional objectives and technologies in both our on campus and off campus courses.

On Campus Courses are Train-The-Trainer courses held at the International Training Center in Hanover, Maryland for instructors, coordinators, and Directors of Training (DOTs). To find our annual course offerings, visit the iFTI On Campus Calendar published on the iFTI LMS homepage. To get a full list of COE-accredited Associate Instructor and Master Instructor programs, check the iFTI Catalog. All on campus courses start with the **FTI** course code.

Off Campus Courses are courses held at the District Council training centers with coordinfuation and assistance from the iFTI. The iFTI offers course sponsorship (some at no cost to the affiliate) and highly discounted course offerings through partnerships with industry partners. Industry partners (e.g. NACE, NCCCO, SSPC, etc.) provide the actual training.

The Off Campus Courses of Study is a reference guide intended for Directors of Trainings (DOT) to provide awareness and access to iFTI's off campus course descriptions, details, associated expenses, and training requirements.

The International Finishing Trades Institute (iFTI) reserves the right to change programs, courses and requirements; and to modify or amend any regulations, procedures or academic schedules. Therefore, the information in this catalog is not a complete statement of all the policies, practices and regulations of the iFTI. Any statement made in this publication is for current informational purposes only and is subject to change by the Board of Trustees or authorized representatives of the iFTI. Certain policies, rules and regulations not published in this document are available through the appropriate organization. All members of the iFTI are expected to abide by current policies, practices, rules and regulations even if they are not contained in this publication, whether due to a properly authorized change or to a printing error.

Updated Last December 19, 2019

PROCESS OVERVIEW

Acronyms and Roles

Acronym	Definition	Roles and Responsibilities
	Administrative Staff	Manages and distributes information within the office. Facilitating training needs, records management, as well as many other clerical and organizational tasks.
ATR	Apprenticeship Training Representative, Field Staff	Partners with affiliate to complete requests for training needs and subsequent submission of requests to the office administrative staff.
IL	Industry Liaison, Field Staff	
DoCI	Director of Curriculum and Instruction	Administers the iFTI's COE accreditation (Associate and Master instructor programs) processes, the post-secondary degree programs, and educational technologies.
DoT	Director of Training	Administers off campus courses.
IC	Institute Coordinator	Ensures all requests meet the requirements and execute courses a timely manner and within the guidelines.
iFTI	International Finishing Trades Institute (iFTI)	The International Finishing Trades Institute (iFTI) is the education department for the International Union of Painters and Allied Trades (IUPAT) and the Finishing Contractors Association (FCA). The iFTI's core purpose is to develop and expand a qualified and competitive work force for the Finishing Trades industries and oversee the apprenticeship training program.
LMCI	Labor Management Cooperation Initiative	The Painters and Allied Trades Labor Management Cooperation Initiative (LMCI) is an organization, jointly administered by the International Union of Painters and Allied Trades (IUPAT) and its employers, with the mission to grow the market share of the union construction companies and workforce.
OM	Office Manager	To oversee the day-to-day operations of the LMCI/iFTI office. Disseminate and balance the workload between the operations staff/administrative assistants to ensure production runs smoothly.

Purpose

The purpose of this section is to share the steps for requesting an off campus course. This includes steps of submission, approval, and processing for any off campus courses.

A. **Submission**

1. A Request Form is completed
    - The Field Staff (ATR/IL) with Affiliate to complete the request form in its entirety with all lines/boxes of the form complete and all required signatures obtained
    - Any abnormalities or special circumstances surrounding the course should be noted in the original submission.
2. Email Request Form
    - ATR emails completed form, 6 weeks in advance for iFTI and 12 weeks for LMCI. (Date of submission is not marked until all necessary information e.g. applications, roster, schedule; is submitted along with the request form)
3. Review the request for completion
    - IC reviews completion of the form and verifies all needed backup is included and correct. If anything is missing, IC will reach out to field staff. (as referenced once all required info is obtained, that will be the noted date of submission)
4. Approval - Send confirmation email
    - IC sends an email confirming receipt.
    - Special requests/late submissions will be addressed on a case-to-case basis by the DoCI

B. **Rosters and Training Preparation**

- The ATR works with the DOT to prepare the training facility, finalize the rosters, ensure materials are ordered and received prior to the training.

- Registration is 6 weeks in advance for iFTI and 12 weeks for LMCI prior to first day of training. A class roster must be submitted through your ATR to the iFTI. Any changes to the class roster should be communicated to the IC.

- The Training Fund will provide any equipment needed for the class. An industry partner's tool list is available upon request.

FULL SPONSORHIP - OFF CAMPUS COURSES

iFTI pays for the costs involved in the initial certification. Refer to the chart below for further details. Through collaborations with industry partners, the iFTI receives significant discounts for the course fees compared with public offering costs. iFTI does not cover the following:

- Participants' Meals
- Travel or Lodging
- Retakes*
- No Shows
- Fails

**SSPC retakes are $100 per exam portion. If a member needs to retake the sprayer and blaster portions, the cost to the Training Fund is $200 total.*

Below is a summary of the course offerings sponsored by the iFTI.

Course Code and Name	Public Offering	iFTI/LMCI Pays (Discounted Price)	Training Fund Pays

GLZ 5009C AGMT (CERTIFICATION)	• Course Fee - $1,295
	  ○ Written - $150
	  ○ Hands-on - $1,145
	NOTE: There's a 4-week timespan between the written and hands-on.
	• Retake of KBT - $120
	• Retake of PBT - $500/section
		• Course Fee (Passes Only) - $1,295*
		• Third party (AMS) provides mock-ups and materials needed for the hands-on portion of the exams.
		
		* *AGMT is an ANSI certification. ANSI requires everyone to pay the same fee.*
			• Retake of KBT - $120
			• Retake of PBT - $500/section

CAS 2105C CAS Level I (CERTIFICATION)	• Written Exam - Member $250, Non-member $325 • Written Exam Retake - Member $100, Non-member $200	Written Exam - $235 *NOTE: All industry partner fees are covered.*	• Written Exam Retake - Member $100 • Travelling proctor only ($1,000 per instructor per day)

Course Code and Name	Public Offering	iFTI/LMCI Pays (Discounted Price)	Training Fund Pays
CAS 2107C CAS Level II Full (CERTIFICATION)	• Written Exam - Member $175, Non-member $275 • Hands-On Exam - Member $650, Non-member $750 • Written Exam Retake - Member $100 , Non-member $200	• Course Fee - $260 • Travelling proctor cost • Recertification - $160 *NOTE: All industry partner fees are covered.*	Written Exam Retake - $100
CAS 2014C NACE Certified Coating Applicator (CERTIFICATION)	• Exam Cost - $500 • Renewal - Member $265, Non-member $475 • Retakes – Refer to industry partner	Exam Cost - $250 *NOTE: All industry partner fees are covered.*	• Renewal - Member $265, Non-member $475 • Retakes – Refer to industry partner
COR 1202S Supervisor Training Program (STP) (Student Access)	N/A	• Class fees • Materials and equipment • Instructor fees including travel, lodging, etc.	Lunches for 2 days (Check with the Contractor, Association, or Training Fund)

****The iFTI will reimburse fees up to but not exceeding the line item budget for these offerings.*

If you have any questions, contact your ATR.

GLZ 5009C AGMT (CERTIFICATION)

Duration (Hours): 16

Minimum/Maximum Participants:
Knowledge-based Test (KBT) 6-18 Participants and Performance-based Test (PBT) 2-6 Participants

Prerequisite/s: Documented 7500 work hours in Glazing, at least an OSHA 10 certification, and recommendation from the ATR.

Application/Pre-requisite Form

- https://agmtprogram.com/apply-here/
- https://agmtprogram.com/wp-content/uploads/2019/02/PD-10-AGMT-Candidate-Application-1.pdf

Recertification Requirements: Written test plus provide evidence of a required number of glazing-related work hours during the preceding 4 year period, and completion of a prescribed amount of continuing education. Refer to the AGMT Candidate Handbook for specific requirements.

Websites/Files/Training Resources

- https://agmtprogram.com/
- https://agmtprogram.com/documents/
- iFTI LMS – Course Materials

To support our affiliates and eliminate any confusion, the iFTI has agreed that effective February 2020, Administrative Management Systems (AMS) Inc. will bill the iFTI directly. The iFTI will pay invoices directly to AMS but will invoice the affiliate. All invoices billed to the affiliate by the iFTI must be paid upon receipt but no later than 6 weeks after the date of receipt to avoid jeopardizing the availability of the program funding for other affiliates.

Course Description

The Architectural Glass and Metal Technician (AGMT) Certification Program is a certification process featuring a third-party, independent assessment of an experienced glazier's knowledge of, and ability to properly perform fundamental glazing procedures. The program has been designed for, and is in the final stage of accreditation, by the American National Standards Institute (ANSI).

The AGMT Certification Program is sponsored by the Architectural Glass and Metal Certification Council (AGMCC), a non-profit organization assembled to better the contract glazing industry through certification programs. For more information about AGMCC, please visit their website at http://www.agmcc.org/.

All registrants will receive a study guide in advance.

- A written and physical assessment of the fundamental knowledge and skills required to proficiently perform foundational or basic glazing tasks
- The emphasis of which will be on factors and elements that tend to minimize glazing related defects and failures, and conform to customer requirements

Course Content/Agenda

The AGMT Certification program assesses seven major categories of competencies

- Glazing Theory
- Tools and Equipment
- Documents and Layout
- Glass and Panels
- Systems
- Sealants and Gaskets, etc.
- QC and Failure Prevention

Knowledge-based Test (KBT)
The knowledge-based test is a 125-question, multiple choice test. It is professionally administered on a computer in a test center.

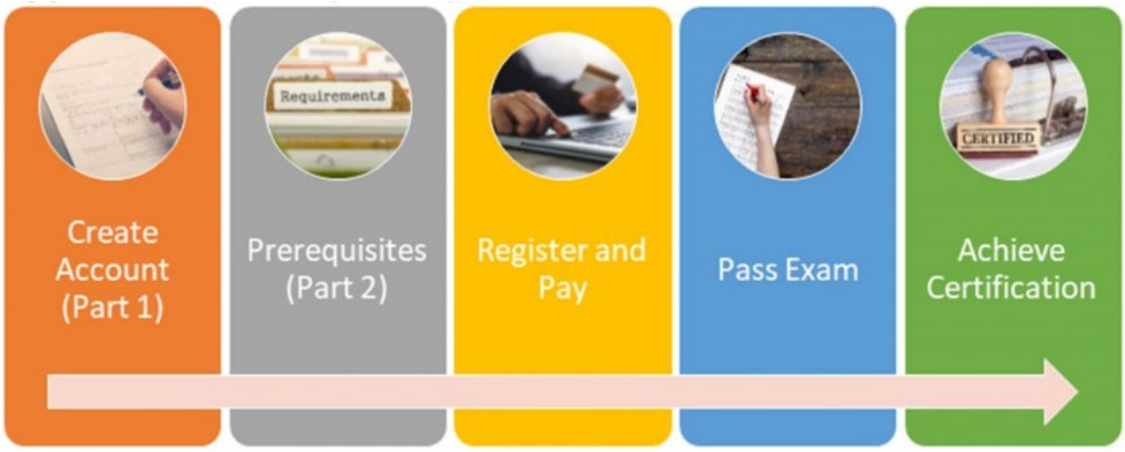
Performance-based Test (PBT)
The performance-based test is broken into three (3) Sections, for which candidates will have a combined 6 hours and 15 minutes to complete:

- Curtainwall (3-1/2 hour time limit)
- Storefront/Entrance (2-hour time limit)
- Sealing (45-minute time limit)

Training Preparation

Training Setup

AGMT requires at least 500-1500 square feet (2-6 candidates per day) for the Performance Based Test. The use of a forklift is also required for setup/teardown. Lighting and temperature must also be controlled.



Capacity

The KBT (Knowledge-based Test) – At most locations, the training center's computer lab is used. Depending on the number of machines available and in the event AGMT cannot use the center's lab or to supplement if the lab only has a handful of computers, they can provide the machines. The KBT with all of the participants is scheduled in a day, so exam sizes range anywhere from 6-18 participants.

The PBT (Performance Based Test) is scheduled to run 2-6 glaziers/day. Ideally, the tests are scheduled 6 glaziers/day to max out the event day, defray costs, and keep prices low.

Preparation

The Knowledge-based test will be proctored in a test center with computers. A calculator, pencil, and scratch paper will be provided at time of test.

The Performance-based test will be administered in a facility and will be equipped with all testing materials needed including test apparatuses, tools, instructions, and PPE (Note: If participant uses prescription safety eyewear, please bring them). No need to bring own tools and equipment. It is recommended to wear clothes that are comfortable, yet lend themselves to the rigors of performing glazing related tasks (loose clothing and jewelry is not recommended to be worn during the exam).

Bring at least one government-issued form of photo identification such as a driver's license or passport to the test center on the day of the exam (this is a security and validity measure)."

Regarding preparation for the exam, AGMT encourages each candidate to review both the KBT Study Guide, and the PBT Study Guide (along with associated shop drawings) prior to taking the exam. How long each candidate studies is up to the individual glazier, though the more time spent on studying, the better they will likely perform.

NOTE: As a third-party certification body, we do not offer training for the AGMT Exam.

Certification Period (Months): Permanent

CAS 2105C CAS Level I (CERTIFICATION)

Duration (Hours): 1.5

Minimum/Maximum Participants: 1 Instructor to 20 Participants

Websites/Files/Training Resources: All SSPC Documents are uploaded in the LMS>My Accounts>iFTI Documents folder. Courses are also available for review.

Prerequisite/s: None

Application/Pre-requisite Form: There is no application form to be completed/submitted for Level 1.

Course Description

The SSPC Coating Application Specialist Certification Program is designed to certify those individual craft workers who have experience and training in all aspects of surface preparation and coating application of complex industrial and marine structures, according to the requirements of the SSPC Coating Application Specialist (CAS) Program. The CAS program is based on the requirements stated in the SSPC Applicator Certification Standard No. 1/NACE 13, Industrial Coating and Lining Application Specialist Qualification and Certification. This certification program meets the requirements of ISO 17024. Facility owners, contractors, or certifying agencies may use this program to verify the certification of Application Specialists for steel or other substrates as considered appropriate.

The SSPC Coating Application Specialist Level 1 exam consists of basic knowledge of industrial coatings and linings. The written exam consists of multiple-choice questions. To receive a certificate and CEU's you must attain a 70% or better score on the exam. Basic Level I qualification is intended for entry-level/trainee Application Specialists.

Program details can be found at SSPC's web site at http://shop.sspc.org/trn-crs-caslevel1

Course Content/Agenda

This program provides no training.

Exam Content - The SSPC Coating Application Specialist Level 1 exam consists of basic knowledge of industrial coatings and linings. (Available in Spanish and Turkish.) The written exam consists of multiple-choice questions. To receive a certificate, you must attain a 70% or better score on the exam.

Special Note: Level 1 Qualification is not required to move on to the Level 2 Certification Exam.

Training Preparation

Training Setup

Materials Needed:

- Coordinate with SSPC

Room Setup

- 6-ft table, 2 people per table

CAS 2107C CAS Level II Full (CERTIFICATION)

Duration (Hours): 16 Hours (Includes 3-hour Written Exam and 1.5-hour Hands-on per Skill Assessment)

Minimum/Maximum Participants: 1 Instructor to 20 Participants

Prerequisite/s: SSPC offers two processes to achieve full status certification under the SSPC CAS Program:

- Process A - Successful completion of a minimum 3,000 hours (equivalent to 3 years work experience) and CAS hours of accepted formal training.
- Process B – Minimum 6,000 hours (equivalent to 6 years work experience)

Related work experience is defined as work as an abrasive blaster and spray painter in an industrial or marine environment. Eligibility is subject to verification by SSPC.

Recertification/Renewal Requirements: All certified CAS Level 2 (Interim and Full) must re-certify in the 3rd year from their initial certification date. SSPC sends renewal reminder letters, which includes the re-cert application forms along with information to process a renewal, are sent to the last known address 6 months prior to the recertification date. Certification can be renewed by completing and submitting renewal forms to SSPC- CAS Level 2 Interim Status Certification Documentation and Maintenance

Application/Pre-requisite Form: The following information must be included on your pre-requisite form. Types of:

- Blasting and painting work performed
- Surface preparation equipment used
- Coatings applied
- Structures worked on

Note: Supervisory experience is not sufficient.

The following item must be submitted to SSPC in accordance with iFTI Guidelines:

- SSPC CAS Level 2 (Full Status) Prerequisite Form
- Photo for your wallet card

Course Description

SSPC Coating Application Specialist (CAS) Certification Program allows those in the current workforce the opportunity to achieve certification. It focuses directly on the needs of the Application Specialist and provides criteria for the education, training, experience, knowledge, and motor skills required to prepare and apply protective coatings to steel and concrete surfaces of complex industrial and marine structures.

*Equivalent formal training must be accepted by SSPC prior to determining eligibility to take the certification exam.

Facility owners, contractors, or certifying agencies may use this program for certification of Application Specialists for other substrates or conditions, as considered appropriate.

NOTE: In most cases, our members will move from CAS Level 2 Full Status with a written only exam.

Course Content/Agenda

The SSPC Coating Applicator Specialist Level 2 Certification Program requires passing a closed-book written exam drawn from the core areas of the SSPC ACS-1/NACE 13 Standard Body of Knowledge:

- Environmental, Safety, and Health
- Surface Preparation
- Coating Application
- Equipment/Troubleshooting
- The hands-on portion of the testing certifies proficiency in abrasive blasting and coating application using conventional or airless spray.

A minimum grade of 70% is required on the written exam and a minimum grade of 90% is required on the hands-on practical exam, in order for a painter to be considered for (CAS) certification.

Special Note: Due to the makeup of the current workforce and available training opportunities, SSPC strongly believes that owners should specify SSPC "Interim Status" painter certification during the next several years (in lieu of full status certification), while the industry gets up to speed with the new requirements. Click for SSPC's position statement.

Training Preparation

Training Setup

Requirements for Hands on Dry Abrasive Blast Cleaning Exam (LEVEL 2 ONLY)
Equipment and Misc. Items

- Blast machine and components (small 3-bag pot is acceptable). Blast machine should be listed as 3.0 cubic meters or higher and should have a capacity of at least 300 lbs. of abrasives.
- Compressor properly sized for the operation (nozzle being used) to allow for 90-100 psi air pressure at the nozzle as well as adequate CFM for breathing air.
- Sufficient amount of abrasives, properly sized for the specified profile. Must conform to SSPC-AB 1 Class A – no more than 1.0% free silica content. Use of an abrasive containing more than 1.0% free silica is strictly prohibited and will result in disqualification.
- Blast nozzles (at least one of each, sizes 5 and 6)
- Appropriately placed breathing air filter and moisture traps, as needed
- Aftercooler/dryer (as conditions warrant)
- CO monitor (if diesel compressor is used for breathing air)
- Deadman controls
- Oil in abrasive test supplies (ASTM D7393) (glass Jar)

- Painted steel test panel (1 panel per student; constructed IAW ASTM D4228 requirements or SSPC approved equivalent). Important Note: "Equivalent" test panels must be at least the same size as the D4228 Panel and be of the same configuration on the "complex" side. The panel must be approved by SSPC in advance of scheduling the exam. Not having the specified or SSPC approved test panel at the exam location will result in disqualification. To ensure conformity, SSPC recommends that the facility furnish a photograph, in advance, of the test panels to be used at the test site. Accepted test panels should be placed at least 12 inches above ground level.
- Required PPE (e.g. NIOSH-certified blast hood/respirator, shields, gloves, coveralls or "Tyvek" suit, hearing protection, foot protection) for both candidates and proctors.
- Equipment/supplies to rope off/barricade blasting area
- Sufficient lighting (minimum 20 foot candles; artificial or natural) See SSPC Guide 12 if testing in a dark area.

QC Equipment – Properly operating and calibrated for use

- Equipment to measure ambient conditions and surface temperature, to measure air pressure at the nozzle (needle gage), and to check for nozzle wear beyond original size (nozzle orifice gage).
- ASTM D4417, Method C: Replica Tape, X-Course or X-Course Plus; Method B: Surface
- Profile Depth Micrometer. Note: Use of Method C for measuring surface profile of the blast-cleaned panel is the recommended and preferred method for determining the achieved surface profile. Method B can be used as a backup if material and instruments used for Method C are unavailable.
- Micrometer
- Blotter Test Materials (ASTM D4285)
- Light meter (if testing in a dark area) to confirm conformance with SSPC Guide 12.
- Magnifying Glass

Documents and Forms

- SSPC Blast Cleaning Standards (SP 6, 10, & 5)
- SSPC-AB 1
- SSPC-VIS 1 (2002 version)
- SDS for abrasive used.
- PDS for abrasive used.
- SOPs (operating procedures) for blast machine and components.
- Inspection forms to record conditions, cleanliness achieved, and surface profile achieved.
- Forms can be customized for exam recordings.

Requirements for Hands on Spray Painting Exam (LEVEL 2 ONLY)

Equipment and Miscellaneous Items

- Airless or conventional spray pump (with properly operating gages) and related components.
- Specified (per PDS) spray gun/tips.
- Specified brushes (per PDS) for stripe coating.
- Power source equipment (e.g. compressor; generator)
- 2-component coating material (OZ, epoxy, or alternative material approved in advance by SSPC) USE FAST CURE MATERIAL, IF PANEL HAS TO BE BLASTED OFF SOON AFTER THE SPRAY EXAM.

- Thinner/reducer/measuring device
- Straining supplies
- Power mixing equipment
- PPE (e.g., respirator, gloves, eye protection, hearing protection)
- Equipment/supplies to rope off/barricade work area.
- Sufficient lighting (20 foot candles; Artificial or Natural) See SSPC Guide 12 if testing in a dark area.
- Spill kit/procedures
- Supplies for masking and overspray protection (as applicable)

QC Equipment– Properly operating and calibrated for use

- Same as for blast cleaning above for ambient conditions and surface temperature.
- Calibrated SSPC-PA 2 Type 2 DFT gage in good operating condition.
- Material temperature gage
- WFT Gages

Documents and Forms

- PDS & SDS for material being applied
- SSPC-PA 2 (Current version)
- Inspection forms to record material identification (batch numbers, environmental conditions and DFT measurements. Forms can be customized for exam recordings.

Note: Spray painting must be done in an appropriately ventilated area. Spray painting cannot be done in a US OSHA defined "Confined Space."

Equipment

- Equipment to measure ambient conditions and surface temperature
- Equipment to measure air pressure at the nozzle (needle gage)
- Equipment to check for nozzle wear beyond original size (nozzle orifice gage)
- ASTM D4417, Method C: Replica Tape, X-Course or X-Course Plus; Method B: Surface Profile
- Depth Micrometer.
  Note: Use of Method C for measuring surface profile of the blast-cleaned panel is the recommended and preferred method for determining the achieved surface profile.
- Micrometer
- Calibrated SSPC-PA 2 Type 2 DFT gage
- Blotter Test Materials (ASTM D 4285)
- Light meter (if testing in a dark area) to confirm conformance with SSPC Guide 12
- Magnifying Glass
- Material temperature gage

Documents and Forms

- SSPC Blast Cleaning Standards (Current versions SP 6, 10, & 5)
- SSPC-PA 2 (Current version)
- SSPC-AB 1 (Current version)
- SSPC VIS 1 (2002 version - SSPC #02-12)
- Various related industry standards

Renewal Requirements:
All certified CAS Level 2 (Interim & Full) must re-certify in the third year from their initial certification date. Renewal reminder letters are sent to the last known address 6 months prior to the recertification date. The reminder notice includes the re-cert application forms along with information to process a renewal. Certification can be renewed by completing and submitting renewal forms to SSPC.

Level 2 Full Status

- Certification will be valid for no more than three years and is maintained by:
- Successful completion of a minimum of 40 hours per year (120 hrs. total) of training related to the candidates' profession.
- The Full status renewal forms can be downloaded below, complete and submit these forms with your updated contact information directly to SSPC:

CAS 2014C NACE Certified Coating Applicator (CERTIFICATION)

Duration (Hours): 7.5 CCA CBT/Written Exam – 2.5 hours (150 mins), 2 Hands-on Training – 5 hours

Prerequisite/s: Must have taken and passed the written/ computer based test (CBT) prior to taking the practical hands on.

Websites/Files/Training Resources:

- NACE Website
- Preparation Exam Preparation Guide
- Written Exam Preparation Guide

Minimum/Maximum Participants: 1-20 Participants

Application/Pre-requisite Form
Click here to create profile or login

Renewal Requirements:

- 1.5 year's work experience
- 24 Professional development hours (8 hours per year)
- Renewal Fee

https://naceinstitute.org/certification/renew-my-certification.aspx

Course Description

The Certified Coating Applicator certification is designed for experienced industrial coatings applicators. By achieving the Certified Coating Applicator certification, candidates will have a formal, industry-recognized certification demonstrating their skills and knowledge to customers and employers.

Who should get this certification?
The Certified Coating Applicator certification is intended for an experienced industrial coatings applicator who is able to work independently. A candidate should have knowledge and experience in surface preparation, cleanliness, environmental conditions, coating mixtures, coating application, and safety.

How do I get certified?

Step 1: Create a customer profile and agree to liability and candidate agreements.
Step 2: Complete the Coating Applicator Written Exam
Step 3: Complete the practical exam

CCA Step by Step Guide -
https://naceinstitute.org/uploadedFiles/Certification/General_Coatings/CCA-Step-by-Step-Guide.pdf

Course Content/Agenda

Each candidate will be expected to do a thorough walk through to inspect the equipment, demonstrate knowledge of hand and power tools, blast and paint an ASTM panel. Each exam portion is 2.5 hours long and approximately 100 questions (Certification Period: 36 months).

Training Preparation

Training Setup

Completion of the *CCA training Facility* application form and approval from NACE International to be certified testing facility

COR 1202S Supervisor Training Program (STP)

Duration (Hours): 16 (2 days)

Minimum/Maximum Participants: 15-25

Application/Pre-requisite Form: None

Prerequisite/s: None

Websites/Files/Training Resources:
The required course and trainer materials are available in the LMS.

Renewal Requirements: None

Course Description

A program designed to develop and strengthen the abilities that make effective project supervisors at all levels.

Course Content/Agenda

This two-day course is for IUPAT contractors and members, and offers in-depth instruction on a wide array of topics for the job site including:

- Role of the Supervisor
- Leadership Skills
- Cost Realities
- Communications Skills
- Jobsite Documentation
- Mentoring
- Motivation and Teambuilding
- Production Management
- Employment Law
- Contracts
- Economics of Safety
- Planning and Scheduling
- Understanding Cost
- Tool and Material Management
- Productivity Enhancement

Training Preparation

Training Setup

Materials Needed:

- Student Books (on LMS)
- Name Tents
- Sign In Sheets
- Pens & Paper
- 6 ft. tables with 2 chairs for students per table – see diagram
- Projector, screen, and associated cords

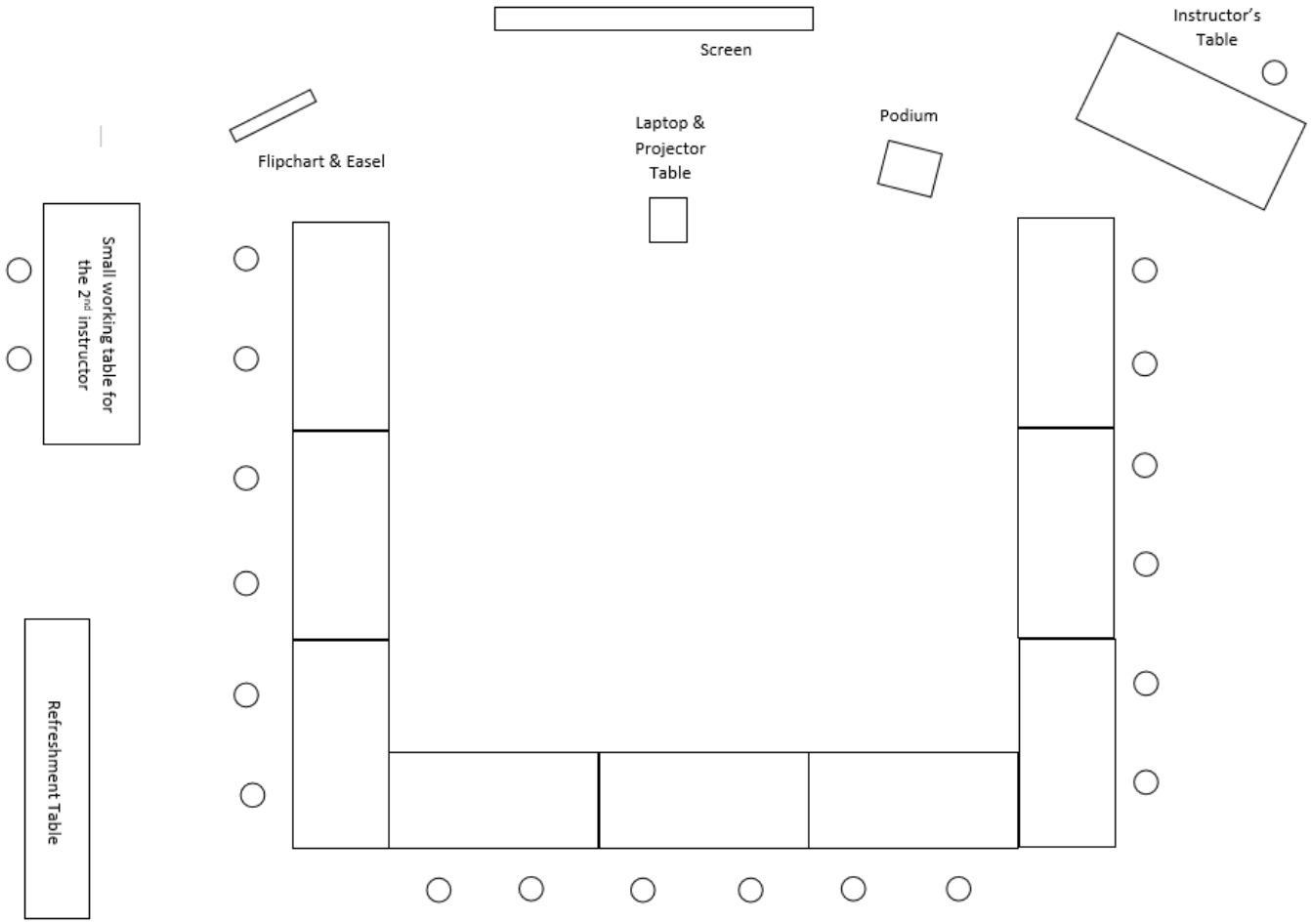
Steps to set up class

- Contact your local Apprenticeship and Training Representative (ATR) to discuss the need for a class; location, amount of interested attendees, potential dates, etc.
- Class request form is completed, signed, and returned to the ATR. The ATR submits the class request form to the office for approval.
- Completed class requests must be submitted at least 6 weeks prior to the class dates.
- Pending review and approval, your will be contacted to confirm approval and/or get any class details that may be needed.
- Submit class roster to the iFTI office.

Room Setup

- Set the classroom as a U shape
- Small head table for 2 instructors
- Projector and screen (instructor will bring his own laptop)
- Flip chart and easel

See diagram shown below.



DISCOUNTED OFF CAMPUS COURSES

Through collaboration with industry partners, the iFTI receives significant discounts for the course fees compared with public offering costs. The Training Fund is responsible for equipment needed for any course. An industry partner's tool list is available upon request. iFTI does not cover the participants' meals, travel, or lodging.

Registration is 6 weeks in advance for iFTI and 12 weeks for LMCI prior to first day of training. A class roster must be submitted through your ATR to the iFTI. Any changes to the course roster should be communicated to the Institute Coordinator (IC).

The Training Fund will receive an invoice directly from the industry partner for the certification cost. Sample scenario:

SSPC certificate costs at $235 per student + shipping x 10 students = Est. of $2,400 (payable to SSPC and invoiced directly to the Training Fund by SSPC)

iFTI will bill the Training Fund for instructor cost at $1,000 for each instructor per day**.** Sample scenario:

Instructor costs at $1,000 per day (5 Days) = $5,000.00 (payable to iFTI, you will be invoiced)

Course List

Below is a summary of the course offerings and the fee comparison through public offerings and discount prices in collaboration with the iFTI.

Category	Course Code and Name	Public Offering	Training Fund Pays (iFTI Discounted Price)
CPWR	COR 1111C Confined Space** (CERTIFICATION) CPWR	N/A	$24,850 for 18 participants (4 instructors)
NACE	CI 2011C NACE CIP Level I (CERTIFICATION)	• Advanced Price – Member $2,127, Non-member $2,395 • Regular Price – Member $2,292, Non-member $2,539	• $1,985 (12-18 Participants) • $1,881 (19-24 Participants)
	CI 2006C NACE CIP Level II (CERTIFICATION)	• Advanced Price – Member $2,127, Non-member $2,395 • Regular Price – Member $2,292, Non-member $2,539	• $1,985 (12-18 Participants) • $1,881 (19-24 Participants)
NCCCO	COR 159C NCCCO Rigger Level I Program (CERTIFICATION)	Workshop Fee - $625 *NOTE: All other fees are unique to iFTI and have no public offering equivalent.*	• Workshop Fee - $400 • Written Exam - $125 • Practical Exam - $60 • Examiner Fee - $1,500 • Practical Retest - $60
	COR 160C NCCCO Mobile Crane (CERTIFICATION)	Workshop Fee - $650 *NOTE: All other fees are unique to iFTI and have no public offering equivalent.*	• Workshop Fee - $400 • Written Exam - $165 • Practical Exam - $60 • Examiner Fee - $1,500 • Practical Retest - $60
	COR 161C NCCCO Signalperson Refresher (CERTIFICATION)	Workshop Fee - $625	Workshop Fee - $375

Category	Course Code and Name	Public Offering	Training Fund Pays (iFTI Discounted Price)
NCCCO, continued	COR 193C NCCCO Crane Signal Person (CERTIFICATION)	Workshop Fee - $625 *NOTE: All other fees are unique to iFTI and have no public offering equivalent.*	• Workshop Fee - $375 • Course Fee – $125 • Practical Exam Admin Fee - $1,000
SSPC	CAS 2106C CAS Level II Interim (CERTIFICATION)	• Written Exam - Member $175, Non-member $275 • Hands-On Exam - Member $650, Non-member $750 • Written Exam Retake - Member $100 , Non-member $200 • Recertification - Member $250 , Non-member $450	• Course Fee - $260 • Written Exam Retake - $100 • Recertification - $160
	CAS 2800C SSPC C-1 Fundamentals of Protective Coatings (CERTIFICATION)	• Member $1,020, Non-member $1,120 • Exam Only – Member $250, Non-member $450 • Written Exam Retake - Member $100, Non-member $200	• Course Fee - $235 • Written Exam Retake - $100
	CAS 2801C SSPC C-2 Planning and Specifying Industrial Coatings Projects (CERTIFICATION)	• Member $1,020, Non-member $1,120 • Exam Only – Member $250, Non-member $450 • Written Exam Retake - Member $100, Non-member $200	• Course Fee - $235 • Written Exam Retake - $100
	CAS 2802C SSPC C-3 Supervisor/Competent Person Training for Deleading of Industrial Structures (CERTIFICATION)	• Course Fee - Member $995, Non-member $1,195 • Written Exam Retake - Member $100, Non-member $200	• Course Fee - $235 • Written Exam Retake - $100

Category	Course Code	Public Offering	Training Fund Pays (iFTI Discounted Price)
SSPC, continued	CAS 2803C SSPC C-5 Lead Paint Removal Refresher (CERTIFICATION)	• Course Fee - Member $395, Non-member $595 • Written Exam Retake - Member $100 , Non-member $200	• Course Fee - $235 • Written Exam Retake - $100
	CAS 2804C SSPC C-7 Abrasive Blasting Program (CERTIFICATION)	• Course Fee - Member $820, Non-member $1,020	• Course Fee - $260 • Written Exam Retake - $100 • Recertification - $210
	CAS 2805C SSPC C-12 Spray Application (CERTIFICATION)	• Course Fee - Member $820, Non-member $1,020 • Written Exam Retake - Member $100, Non-member $200 • Recertification – Member $250, Non-member $450	• Course Fee - $260 • Written Exam Retake - $100 • Recertification - $210
	CAS 2807C SSPC C-14 Marine Plural Component (MPCAC) (CERTIFICATION)	• Course Fee - Member $820, Non-member $1,020 • Written Exam Retake - Member $100, Non-member $200 • Recertification Online - Member $250, Non-member $450 • Recertification Exam (Hard Copy) - $450	• Course Fee - $260 • Written Exam Retake - $100 • Recertification - $210
	COR 1128C SSPC Lead Paint Safety Worker (CERTIFICATION)	• Course Fee - Member $395, Non-member $595	• Course Fee - $235 • Written Exam Retake - $100

CPWR Courses

CPWR is dedicated to reducing occupational injuries, illnesses and fatalities in the construction industry. Through our research, training, and service programs, we serve the industry in cooperation with key federal and construction industry partners nationwide.

The IUPAT must have not only the highest skilled, educated, and productive workforce but also the safest. The International Finishing Trades Institute (iFTI) is committed to making Health and Safety courses available at the International Training Center but also realize that there are times that classes are made available off-campus. Through key training partnerships with some of the industry's premier training providers, the iFTI is pleased to make these available so that all IUPAT members promote a culture of continuous improvement and commitment to safety and training.

Below is a summary of the course offerings and the fee comparison through public offerings and discount prices in collaboration with the iFTI.

Course Code	Course Name	Public Offering	Training Fund Pays (iFTI Discounted Price)
COR 1111C	Confined Space** (CERTIFICATION)	N/A	$24,850 for 18 participants (4 instructors)

Certification Period (Months): Permanent

COR 1111C Confined Space** (CERTIFICATION)

Duration (Hours): 16

Prerequisite/s: None

Application/Pre-requisite Form: None

Renewal Requirements: None

Minimum/Maximum Participants:
5-15 Participants

Websites/Files/Training Resources:
Materials Available from iFTI

Course Description

This two-part course will teach you how to recognize, evaluate, prevent, and abate safety and health hazards associated with confined space entry. Technical topics include the recognition of confined space hazards, basic information about instrumentation used to evaluate atmospheric hazards, and ventilation techniques. This course features practice with permit entry classification and program evaluation. Participants will learn to recognize the differences between a permit required confined space and a non-permitted space, and will be able to identify the proper conditions for entry.

CPWR 16-hour Worker course teaches workers about the most common hazards found in confined spaces, and about the OSHA standard, that addresses these hazards. Participants also learn about safe entry procedures, monitoring principles, entry permits, ventilation, personal protective equipment and the roles of the entrant, attendant, and entry supervisor. This course includes extensive hands-on training in confined space entry and the use of PPE.

Course Content/Agenda

- Entry Procedures
- Ventilation Requirements
- Personal Protective Equipment
- Permit Systems
- Hands-on Training:
    - Air Monitoring
    - Ventilation
    - Supplied-Air Respirators (SAR' s)
    - Self-Contained Breathing Apparatus (SCBA's)
- Retrieval and other aspects of permit-required confined space entry

Training Preparation

Training Setup

- Class room of appropriate size for the number of participants
- An area to project on either a screen or wall
- Pens and highlighters
- Note pad
- Projector or TV Monitor

Students will have practical hands-on experience during this course and are advised to bring the following: hardhat, gloves, safety glasses, boots, work type clothes, hearing protection.

To receive CEUs, participants are required to be engaged in the entire course and successfully pass the final exam. At the conclusion of the course, participants will be asked to complete a course evaluation.

NACE Courses

The iFTI understands that partnerships with like-minded organizations are essential to the growth of our Union. Our long-standing collaboration with NACE International is a firm example of working with an organization that makes education, safety, and environmental protection their leading principles. The iFTI is pleased to offer their unique qualification programs that drive corrosion industry performance.

NACE is an authorized provider of continuing education units by the International Association for Continuing Education and Training (IACET).

Below is a summary of the course offerings and the fee comparison through public offerings and discount prices in collaboration with the iFTI.

Course Code	Course Name	Public Offering	Training Fund Pays (iFTI Discounted Price)
CI 2011C	NACE CIP Level I (CERTIFICATION)	• Advanced Price – Member $2,127, Non-member $2,395 • Regular Price – Member $2,292, Non-member $2,539	• $1,985 (12-18 Participants) • $1,881 (19-24 Participants)
CI 2006C	NACE CIP Level II (CERTIFICATION)	• Advanced Price – Member $2,127, Non-member $2,395 • Regular Price – Member $2,292, Non-member $2,539	• $1,985 (12-18 Participants) • $1,881 (19-24 Participants)

Certification Period (Months): 36

CI 2011C NACE CIP Level I (CERTIFICATION)

Duration (Hours): 60 (6 Days) Includes Written Exam and Hands-on Skill Assessment

Minimum/Maximum Participants: 2 Instructors to 24 Participants

Prerequisite/s: None

Course Materials: CIP Level 1 Online Course Manual

Application/Pre-requisite Form
www.naceinstitute.org or firstservice@nace.org

Course Description

CIP Level 1 covers the technical and practical fundamentals of coating inspection work. Students will be prepared to perform basic coating inspections using non-destructive techniques and instrumentation. This course provides students with knowledge and application of coating materials, along with techniques for surface preparation.

Classroom instruction is comprised of lectures, discussions, group exercises and hands-on practical labs.

Course Content/Agenda

- Use of protective coatings to control corrosion
- Corrosion fundamentals such as properties of a coating, coating classification, and modes of protection
- Coating types and curing mechanisms
- Coating specifications including service environments and coating life cycle
- Surface preparation equipment, methods and standards for abrasive blasting, solvent cleaning and power and manual tool cleaning
- Coating application by brush, roller, mitt, and conventional and airless spray
- Role and responsibilities of the inspector including safety, ethics, and conflict prevention and decision making
- Inspection procedures and quality control
- Purpose and content of a pre-job conference
- Test instruments for measurement of environmental or ambient conditions

- Non-destructive test instruments
- Testing for non-visible contaminants
- Quality control issues, recognizing design and fabrication defects and coating failure modes
- Material safety data sheets (MSDS) and product technical data sheets
- Purpose and content of log book and report documentation

Training Preparation

Training Setup

One classroom with the following items is required:

- 7 Ft. Projection Screen
- Computer Projector
- (4) Flipchart Easels With 16 Extra Pads And Markers
- Table For Instructor Materials
- Standing Lectern
- Wastepaper Basket
- Display Tables (6' X 30 Or 8' X 30) Note: These Tables Are For Instrumentation/ Equipment
- Tables And Chairs For Participants (See Classroom Setup)
- Small Table For Computer Projector

Note: The classroom needs to be large enough to accommodate tables for students and for Instrumentation/equipment (approximately 1200 to 1250 sq. ft.).

The flow of students will generally be from the classroom to the hand and solvent station, power tool station, abrasive blast cleaning station, and then to the painting station. This will be accomplished in small groups of 5-6 students.

AREAS MUST CONTAIN COST POTABLE WATER WITH DISPOSABLE DRINKING CUPS, APPROPRIATE FIRST AID KITS, EYE WASH STATIONS AND FIRE EXTINGUISHERS COATINGS REQUIRED.

The following or their equivalent, are acceptable for use during the CIP Level 1 Lab day and CIP I Exam Course 1:

- 3 gallons of water-based inorganic zinc
- 3 gallons of water-based two-component epoxy

LAB CLASSROOM: #2

- (8) participant tables (6' x 30 or 8' x 30)
- (8) participant chairs

Note: these tables are for instrumentational use only and one participant per table and chair and one additional table and chair for the instructor

*The host facility agrees to provide the above-mentioned equipment and or materials.

CIP LEVEL 1 LAB DAY Requirements

SCOPE OF WORK AND MATERIAL REQUIREMENTS
*Clean area to act as a classroom and lunchroom with tables and chairs.

Work stations as described below:

- Work area must be large enough to keep workstations separated to prevent unsafe exposure for students.
- NACE will require two employees from your organization (knowledgeable in all phases of blast, power tool and coating requirements; including safety procedures to be followed by students and instructors) to assist NACE instructors during the abrasive blast cleaning and paint application phases of the lab day exercise.

Provide packets (one per each student and one for each instructor) containing the following:

- Sketches showing the location of each station and indicate nearest telephone, fire extinguisher, eyewash station and other pertinent safety devices.
- Sets of manufacturer's data sheets & MSDS sheets for both coatings, manufacturer's data sheets for abrasive blast media. These must be ready for pickup by the instructor on the Monday morning before the Wednesday lab day.

Work Stations and Materials/Equipment Requirements:

LAB CLASSROOM: #1

- Tables And Chairs For Students And Instructors, Plus One (1) Extra Table For
- Equipment Demonstration
- Cotton Gloves
- Paper Coveralls, Including Several XX Large
- Ear Plugs
- Safety Glasses With Side Shields
- Lip On Side Shields For Prescription Eyewear
- Dust Masks Rated For Blast Media Being Used
- Hard Hats, Adjustable, If Required By Your Facility

HAND TOOL, POWER TOOL AND SOLVENT WIPE STATION

- Workbench (Metal/Welding Table Type)
- (8) Face Shields
- (10) "C" Clamps
- Grease Or Oil To Contaminate Test Panels
- 10 Lb. Box Of Rags; Cotton
- Cold Potable Water
- Detergent Station: Emulsion Cleaning/Detergent - Industrial Grade With MSDS Sheets
- (4) Pair Rubber Gloves
- (2) Chipping Hammers
- (2) Hand Wire Brushes
- Compressed Air Supply
- (3) 4" Right Angle, Hand-Held Power Grinders With Spare Grinding Discs
- (2) Power Wire Brushes
- (2) Needle Scalers

ABRASIVE BLAST STATION & PAINT STATION

- (2 Pair) Leather Gloves
- Abrasive Blast Equipment: Fully Assembled In Good Working Order (Blast Pot, Air Supply, Nozzle, Dead Man Control, Hoses, Etc.)

Note: Extra Hose Gaskets (Air And Blast) Should Be Available. All Connections (Air Hoses And Blast Hoses) Must Be Secured With Tie Wire

- (2) Air Supplied Hoods For NACE Students (Additional One If Facility Worker Needs It), Co Monitor On Compressor, Filtered Air To Hood, All Per Osha Requirements
- (1 Box) Sanitizing Wipes (To Sanitize Sandblast Hoods Before Each Use)
- (800 Ibs) Abrasive Blast Media
- Stand And Clamps To Hold Student Panel While Being Blasted
- Blast Nozzle - #7 Size Venturi
- Ventilated Spray Area
- (5) Respirators (Half Mask With Organic Cartridges And Paint Mist/Spray Pre-Filters) 1 Small, 2 Medium, 2 Large
- Hand Cleaner - Waterless (Suitable For Cleanup Of Paint Products)
- Stand And Hooks To Hang Panels For Painting
- 36" Wide Kraft-Type Paper Roll For Spray Gun Practice, Mounted So It Can Be Rolled As Used
- (3 Gal) Water Based Inorganic Zinc Coating
- 60 And 80 Mesh Screens For Mixed Zinc
- Jiffy Mixer (5 Gal Size)
- (3 Gal) Water Based Two-Component Epoxy Coating
- All Connections Must Be Safety Wired
- Air Spray Equipment Complete, Clean, Fully Assembled, In Good Working Order (Gun, Tips As Recommended By Mfg. Data Sheets, Pressure, Pot, Hoses)
- Airless Spray Equipment Complete, Clean, Fully Assembled, In Good Working Order (Gun, Hoses, Connections, Tips As Recommended By Mfg. Data Sheets, Pressure Pot, Hoses)

**A sample panel will be provided upon request if needed for blast or paint setup purposes (panel is 12" x 12" and has two (2) 112" diameter holes set 1" in from edges.*

Certification Period (Months): 36

CI 2006C NACE CIP Level II (CERTIFICATION)

Duration (Hours): 60 (6-day) course that focuses on advanced inspection techniques and specialized application methods for both steel and non-steel substrates, including concrete.

Minimum/Maximum Participants: 2 Instructors to 24 Participants

Application/Pre-requisite Form:
www.naceinstitute.org

Prerequisite/s: Current of CIP Level 1 training certification, two years of verifiable coatings-related work experience, and a verified application including references. The CIP Level 2 certification application can be found at www.naceinstitute.org.

Renewal Requirements
Every 3 years, 1.5 years work experience, application available online

Course Description

The course provides in-depth coverage of:

- Advanced corrosion theory
- Environmental controls and advanced environmental testing
- Centrifugal blast cleaning and water jetting equipment, standards, methods of use, and inspection concerns
- Advanced nondestructive and destructive test instruments
- Surface preparation, application and inspection of liquid-applied and thick barrier linings
- Specialized application equipment including plural-component, electrostatic and centrifugal, and hot spray systems
- Concrete coatings
- Specialized coating techniques and application of non-liquid coatings
- Coating survey techniques and procedures and common coating failure modes

Classroom instruction is comprised of lectures, discussions, group exercises and hands-on practical labs that teach the student how to perform basic inspection tests. A written exam and practical exam are given at the end of the course.

Course Content/Agenda

- Advanced corrosion theory
- Advanced nondestructive and destructive test instruments
- Surface preparation, application and inspection of liquid-applied and thick barrier linings
- Specialized application of cold and hot coating systems
- Concrete coatings
- Specialized coating techniques and application of non-liquid coatings
- Coating survey techniques and procedures and common coating failure modes
- Use of protective coatings to control corrosion
- Corrosion fundamentals such as properties of a coating, coating classification, and modes of protection
- Coating types and curing mechanisms
- Coating specifications including service environments and coating life cycle surface preparation
- Inspection procedures and quality control
- Test instruments for measurement of environmental or ambient conditions
- Quality control issues, recognizing design and fabrication defects and coating failure modes
- Role and responsibilities of the inspector including safety, ethics, and conflict prevention and decision making
- Material safety data sheets (MSDS) and product technical data sheets

Training Preparation

Training Setup

One classroom with the following items is required:

- 7 Ft. Projection Screen
- Computer Projector
- (4) Flipchart Easels With 16 Extra Pads And Markers
- Table For Instructor Materials
- Display Tables (6' X 30 Or 8' X 30) Note: These Tables Are For Instrumentation/Equipment
- Tables And Chairs For Participants
- Small Table For Computer Projector
- Standing Lectern
- Wastepaper Basket

Note: the classroom needs to be large enough to accommodate tables and chairs for students and for instrumentation/equipment (approximately 1200 to 1250 sq. ft.)

*Clean area to act as a classroom and lunchroom with tables and chairs.

Work stations as described below:
LAB CLASSROOM: #2
Work stations requirements:

- (8) Participant Tables (6' X 30 or 8' X 30)
- (8) Participant Chairs

Note: these tables are for instrumentational use only and one participant per table and chair and one additional table and chair for the instructor.

*The Host facility agrees to provide the above-mentioned equipment and or materials.

Equipment will be provided by the host facility with the assistance of the iFTI if needed.

To receive CEUs, participants are required to be engaged in the entire course and successfully pass the final exam. At the conclusion of the course, participants will complete a course evaluation.

NCCCO Courses

The NCCCO (National Commission for the Certification of Crane Operators) sets the standards for safe crane operation in both construction and general industry.

What makes the NCCCO a credible organization?

- The NCCCO is an independent, non-profit organization.
- OSHA not only recognizes the CCO certification as an approved credential, but also now mandates that crane certifications come from approved partners, like the NCCCO.
- The NCCCO focuses on reducing accidents, offering quality training and helping expand job opportunities.

Below is a summary of the course offerings and the fee comparison through public offerings and discount prices in collaboration with the iFTI.

Course Code	Course Name	Public Offering	Training Fund Pays (iFTI Discounted Price)
COR 159C	NCCCO Rigger Level I Program (CERTIFICATION)	Workshop Fee - $625 *NOTE: All other fees are unique to iFTI and have no public offering equivalent.*	• Workshop Fee - $400 • Written Exam - $125 • Practical Exam - $60 • Examiner Fee - $1,500 • Practical Retest - $60
COR 160C	NCCCO Mobile Crane (CERTIFICATION)	Workshop Fee - $650 *NOTE: All other fees are unique to iFTI and have no public offering equivalent.*	• Workshop Fee - $400 • Written Exam - $165 • Practical Exam - $60 • Examiner Fee - $1,500 • Practical Retest - $60
COR 161C	NCCCO Signalperson Refresher (CERTIFICATION)	Workshop Fee - $625	Workshop Fee - $375
COR 193C	NCCCO Crane Signal Person (CERTIFICATION)	Workshop Fee - $625 *NOTE: All other fees are unique to iFTI and have no public offering equivalent.*	• Workshop Fee - $375 • Course Fee – $125 • Practical Exam Admin Fee - $1,000

Certification Period (Months): 60

COR 159C NCCCO Rigger Level I Program (CERTIFICATION)

Duration (Hours): 32

Prerequisite/s: Basic knowledge of rigger operation

Minimum/Maximum Participants: 5-15

Course Description

NCCCO identified the following job duties for Rigger Level I certification. Level I Riggers should be able to demonstrate or have knowledge of how to inspect rigging before use, identify and attach rigging with basic knowledge of hitch configurations, capacities, and basic knots, recognize associated hazards signal operations, use various types of rigging equipment and basic hitches and their application (Certification Period: 60 months). For more details, go to http://nccco.org/nccco/certification-programs/rigger

Course Content/Agenda

Written Examination
The Certified Rigger Level I Written Examination consists of 60 multiple-choice questions. Candidates have 60 minutes to complete the test.

Practical Examination
The successful completion of an NCCCO Certified Rigger Level I Practical Examination demonstrates a candidate's basic rigging competency.
Candidate Handbook - https://nccco.org/docs/default-source/2019-handbooks-forms/rigger---candidate-handbook_060119b.pdf?sfvrsn=afb1fa0e_2

Training Preparation

Training Setup

Test kit provided by NCCCO

The host provides:

- Two (2) Classrooms
- One (1) pick points
- One (1) Rigger Level I Exam Kit

Certification Period (Months): 60

COR 160C NCCCO Mobile Crane (CERTIFICATION)

Duration (Hours): 48

Minimum/Maximum Participants: 5-15

Prerequisite/s:

- Be at least 18 years of age
- Meet Medical Requirements
- Comply with NCCCO's Substance Abuse Policy
- Pass Written Examinations (Core and at least one Specialty)
- Pass Practical Examination(s)—Candidates must pass the Practical exam within twelve months of passing the written examination
- Comply with the NCCCO Code of Ethics

Course Description

The course consists of the Written Examination and Practical Examination Outline. The Core examination portion of the NCCCO Written Examination test the following knowledge relating to the operation of mobile cranes: Site, Operations, Technical Knowledge, and Load Charts.

The Practical Exam tasks are Pre-Operational (Shift) Inspection, Place Chain in Stop Circle, Follow Hand Signals, Place Ball in Barrells, Negotiate Zigzag Corridor with Test Weight, and Safe Shutdown and Securing Procedures (Certification Period: 60 months).

After 60 months, an individual is required to re-certify. For re-certification, they must take a re-certification written exam and attest to 1000 hours of crane-related experience. If they do not meet the experience requirement, they must take the practical exam again.

For more information, check the website - https://www.nccco.org/nccco/certification-programs/mobile-crane-operator/certification-overview

Training Preparation

Training Setup

The host provides:

- One (1) Classroom
- One (1) telescopic boom- fixed cab TSS crane meeting NCCCO Standards
- One (1) NCCCO Test Course per NCCCO specifications
- One (1) NCCCO Test weight per NCCCO specifications

Additional set up information and list of requirements is found in this document - https://www.nccco.org/docs/default-source/2019-handbooks-forms/mobile-crane-operator---candidate-handbook_060119b.pdf?sfvrsn=5fb1fa0e_2

Certification Period (Months): 48

COR 161C NCCCO Signalperson Refresher (CERTIFICATION)

Duration (Hours): 8

Minimum/Maximum Participants: 5-15

Prerequisite/s: None

Course Description

NCCCO will conduct a one-day event for the CCO Signalperson (SGP) Practical Examiner Accreditation Program (PEAP) workshop. To be eligible to attend the Signalperson Practical Examiner Accreditation Workshop, you must be certified in the Signalperson program (Certification: 48 months).

Who Should Attend: To be eligible to attend the Signalperson Practical Examiner Accreditation Workshop, the participant must be certified in the Signalperson program.

Training Preparation

Training Setup

The host provides two (2) classrooms large enough for all candidates, projector, projection screen, speakers, and required cables. Each candidate must have a laptop with a Windows operating system (Windows XP or better).

COR 193C NCCCO Crane Signal Person (CERTIFICATION)

Duration (Hours): 32 (Includes Written Exam and Hands-on Skill Assessment)

Prerequisite/s: At least 18 years old, Comply with CCO's Substance Abuse Policy, Pass Written Examination, Pass Practical Examination, and Comply with the NCCCO Code of Ethics

Application/Pre-requisite Form: None

Minimum/Maximum Participants: 7-10 Participants to 1 Instructor

Websites/Files/Training Resources:
Materials Available from iFTI
E-course host can order re-usable student manuals and other supplies through the iFTI website.

Course Description

This nationally recognized and internationally accredited certification program is the culmination of many years of hard work by experts from the varied industries and groups that use cranes, including construction workers, operating engineers, utilities, and crane rental firms. The NCCCO task force that developed this program was made up of experts from all aspects of the crane industry—crane operators, ASME B30 members, signalpersons, training directors, managers, supervisors, insurance representatives—who together represent many thousands of hours of crane operating and signaling experience. These volunteers gave freely of their time and expertise with the goal of improving the safety of all whose work brings them into contact with cranes and lifting equipment.
Overton

The NCCCO Signaling Curriculum is designed for the participant(s) who wish to obtain the knowledge and understanding of the following general rules, regulations and safe practices related to the safe selection, application, use and inspection of basic signaling practices used when communicating with mobile, tower and overhead crane operators. In compliance with State and New Federal 29CFR1926.1400 regulations, as mentioned in the OSHA link:
https://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=85.

Employees will also be trained in the new energized power line safety regulations as well as understanding the hazards of working around these types of cranes.

Each course will address basic signaling principles, pre-hoisting inspection procedures, safe signaling practices, and evaluating competency.

The NCCCO Signaling course will also cover most types of slings and basic rigging hardware as well as the principles, practices and techniques of basic rigging and signaling.

NCCCO Signaling certification is valid for five (5) years. Candidates must complete their recertification requirements during the 12 months prior to their expiration date. Certification can be renewed by completing and passing the final recertification exam.

Course Agenda/Content

- Understanding how we manage the risk associated with overhead hoisting
- Safety rules for working around mobile, tower and overhead cranes
- Wind, how it affects the crane and load
- General crane limiting factors, craning dynamics, worksite inspection
- The new electrical hazards clearance requirements, decision-making process, MSAD, obstructions, etc.
- Load stability, and the factors which can affect it
- How to develop a simple signaling plan
- Procedure for performing a proper pre-operational inspection of hardware and slings
- Choosing the proper signaling method for the job
- Recognizing, understanding and handling stability concerns
- Proper load handling rules around other personnel and pedestrians
- Proper hand signals and commands to communicate with hoist operator

The course begins with an overview of the student guidebook issued to each student. Each class continues with a structured lesson plan, which includes bookwork, hands on, and visual presentations.
This course provides the instruction on how to deal with wind and load lifts through Algebraic calculations. Students will be assessed on proper use of hand signals through a series of quizzes throughout the course to prepare the student for the final exam.

Written Exam: The 60 question multiple-choice final exam must be completed in the 60-minute period.

Practical Exam: The CCO Signalperson Practical Examination requires the candidate to demonstrate proficiency in giving both hand signals and voice commands. The practical exam also assesses the candidate's understanding of crane dynamics and crane operations per OSHA 29 CFR 1926.1428.

Experience: CCO certification examinations are designed for signalpersons who are trained and who will use hand and voice signals in crane operation

Accreditation and Recognition:
National Crane Commission for the Certification of Crane Operators (NCCCO)

Retention of Certification:
To maintain a current certification each cardholder must comply with the following CCO policies:

- NCCCO Code of Ethics
- Disciplinary Policy
- Substance Abuse Policy
- Testing Accommodations Policy
- Change of Address Policy
- Appeals Policy and Procedures
- Information Release Policy
- Recertification Policy

Each policy will be thoroughly covered in the Candidate Handbooks given to each course participant.

Training Preparation

Training Setup

- Class room of appropriate size for the number of participants
- An area to project on either a screen or wall
- Pens and highlighters
- Note pad
- Projector or TV Monitor

SSPC Courses

SSPC is an authorized provider of the International Association of Continuing Education and Training (IACET) and meet the ANSI/IACET Standard for awarding the IACET CEUs (Continuing Education Units).

SSPC developed the Training Provider Accreditation to verify the capabilities of companies performing industrial coatings training programs. The program's objective is to determine if the company has the personnel, organization, qualifications, procedures, knowledge,

The iFTI understands that partnerships with like-minded organizations are essential to the growth of our Union. Our long-standing collaboration and partnership with the SSPC is a firm example of working with an organization that is focused on the protection and preservation of concrete, steel, and other industrial and marine structures and surfaces. The iFTI is pleased to be the largest licensed provider of SSPC training and certification in North America and to make their courses and certifications on surface preparation, coating selection, coating application, environmental regulations, and health and safety available to our affiliates.

To support our affiliates and eliminate any confusion, the iFTI has agreed that effective January 2020, SPCC will bill the iFTI directly. The iFTI will pay invoices directly to SSPC. The iFTI will pay for Full Status and Level 1 courses but will invoice the affiliate for all other SSPC courses beginning January 2020. All invoices billed to the affiliate by the iFTI must be paid upon receipt but no later than 6 weeks after the date of receipt to avoid jeopardizing the availability of the program funding for other affiliates.

Below is a summary of the course offerings and the fee comparison through public offerings and discount prices in collaboration with the iFTI.

Course Code	Course Name	Public Offering	iFTI Discounted Price/ Training Fund Pays
CAS 2106C	CAS Level II Interim (CERTIFICATION)	• Written Exam - Member $175, Non-member $275 • Hands-On Exam - Member $650, Non-member $750 • Written Exam Retake - Member $100 , Non-member $200 • Recertification - Member $250 , Non-member $450	• Course Fee - $260 • Written Exam Retake - $100 • Recertification - $160

Course Code	Course Name	Public Offering	Training Fund Pays (iFTI Discounted Price)
CAS 2800C	SSPC C-1 Fundamentals of Protective Coatings (CERTIFICATION)	• Member $1,020, Non-member $1,120 • Exam Only – Member $250, Non-member $450 • Written Exam Retake - Member $100, Non-member $200	• Course Fee - $235 • Written Exam Retake - $100
CAS 2801C	SSPC C-2 Planning and Specifying Industrial Coatings Projects (CERTIFICATION)	• Member $1,020, Non-member $1,120 • Exam Only – Member $250, Non-member $450 • Written Exam Retake - Member $100, Non-member $200	• Course Fee - $235 • Written Exam Retake - $100
CAS 2802C	SSPC C-3 Supervisor/Competent Person Training for Deleading of Industrial Structures (CERTIFICATION)	• Course Fee - Member $995, Non-member $1,195 • Written Exam Retake - Member $100, Non-member $200	• Course Fee - $235 • Written Exam Retake - $100
CAS 2803C	SSPC C-5 Lead Paint Removal Refresher (CERTIFICATION)	• Course Fee - Member $395, Non-member $595 • Written Exam Retake - Member $100 , Non-member $200	• Course Fee - $235 • Written Exam Retake - $100
CAS 2804C	SSPC C-7 Abrasive Blasting Program (CERTIFICATION)	• Course Fee - Member $820, Non-member $1,020	• Course Fee - $260 • Written Exam Retake - $100 • Recertification - $210
CAS 2805C	SSPC C-12 Spray Application (CERTIFICATION)	• Course Fee - Member $820, Non-member $1,020 • Written Exam Retake - Member $100, Non-member $200 • Recertification– Member $250, Non-member $450	• Course Fee - $260 • Written Exam Retake - $100 • Recertification - $210

Course Code	Course Name	Public Offering	Training Fund Pays (iFTI Discounted Price)
CAS 2807C	SSPC C-14 Marine Plural Component (MPCAC) (CERTIFICATION)	• Course Fee - Member $820, Non-member $1,020 • Written Exam Retake - Member $100, Non-member $200 • Recertification Online - Member $250, Non-member $450 • Recertification Exam (Hard Copy) - $450	• Course Fee - $260 • Written Exam Retake - $100 • Recertification - $210
COR 1128C	SSPC Lead Paint Safety Worker (CERTIFICATION)	• Course Fee - Member $395, Non-member $595	• Course Fee - $235 • Written Exam Retake - $100

CAS 2106C CAS Level II Interim (CERTIFICATION)

Duration (Hours): 16 (Includes 2 hours for written, 1.5 hours for Blast, 1.5 hours Spray Skill Assessment)

Minimum/Maximum Participants: 1 Instructor to 20 Participants

Prerequisite/s: An industrial painter has two tracks to become eligible to challenge the "interim" Level II certification exam:

- Track one - have at least 2,000 hours of documented practical experience and a minimum of 150 hours of classroom/formal training. CAS hours of accepted formal training
- Track two – have at least 3,000 hours of documented practical experience and no formal classroom training
- Related work experience is defined as work as an abrasive blaster and spray painter in an industrial or marine environment. Eligibility is subject to verification by SSPC.

Click here for certification prerequisite requirements:
http://shop.sspc.org/trn-crs-casprereq

Recertification Requirements: All certified CAS Level 2 (Interim and Full) must re-certify in the 3rd year from their initial certification date. SSPC sends renewal reminder letters, which includes the re-cert application forms along with information to process a renewal, are sent to the last known address 6 months prior to the recertification date. Certification can be renewed by completing and submitting renewal forms to SSPC- CAS Level 2 Interim Status Certification Documentation and Maintenance

Application/Pre-requisite Form: The following information must be included on your pre-requisite form which includes types of:

- Blasting and painting work performed
- Surface preparation equipment used
- Coatings applied
- Structures worked on

Note: Supervisory experience is not sufficient.

The following items must be submitted to SSPC in accordance with iFTI guidelines:

- SSPC CAS Level 2 (Interim Status) Prerequisite Form (click to view/download)
- Photo for your wallet card.

Course Description

SSPC Coating Application Specialist (CAS) Interim Certification Program allows those in the current workforce the opportunity to realistically achieve certification during the next several years. It focuses directly on the needs of the Application Specialist and provides criteria for the education, training, experience, knowledge, and motor skills required to prepare and apply protective coatings to steel and concrete surfaces of complex industrial and marine structures.

Facility owners, contractors, or certifying agencies may use this program for certification of Application Specialists for other substrates or conditions, as considered appropriate.

This program is not intended for inexperienced coating applicators and abrasive blasters. Additional notes:

- A craft-worker that is SSPC Coating Application Specialist (CAS Level 2) Certified is considered to have met and exceeded the qualifications of an individual who is SSPC C7 or SSPC C12 Certified or both.
- Candidates who took their C7 and C12 hands on exam after January 1, 2012 may substitute their C7 and C12 hands on exam results for the CAS Level 2 hands on blaster and sprayer exam, if they have achieved a score of 90% or greater on each exam.
- At this time, the Naval Sea Systems Command (NAVSEA) does not accept CAS as an equivalent to C7 or C12.

*Candidates who took their C7 and C12 hands on exam before January 1, 2012 and scored a 90% can still substitute their hands on exam results for the CAS hands on exam. However, the candidates would have to retake the CAS hands on exam at their three-year re-certification date. If you have questions, please contact Jennifer Merck at merck@sspc.org.

The "Interim Certification Program," SSPC Coating Application Specialist (CAS) allows those in the current workforce the opportunity to realistically achieve certification during the next several years. It focuses directly on the needs of the Application Specialist and provides criteria for the education, training, experience, knowledge, and motor skills required to prepare and apply protective coatings to steel and concrete surfaces of complex industrial and marine structures.
*Equivalent formal training must be accepted by SSPC prior to determining eligibility to take the certification exam.

Program details can be found at SSPC's web site at http://shop.sspc.org/trn-crs-caslevel2int

Course Content/Agenda

The SSPC Coating Applicator Specialist Level 2 Certification Program requires passing a closed-book written exam drawn from the core areas of the SSPC ACS-1/NACE 13 Standard Body of Knowledge:

- Environmental, Safety, and Health
- Surface Preparation
- Coating Application
- Equipment/Troubleshooting

The hands-on portion of the testing certifies proficiency in abrasive blasting and coating application using conventional or airless spray.

A minimum grade of 70% is required on the written exam and a minimum grade of 90% is required on the hands-on practical exam, in order for a painter to be considered for (CAS) certification.

Training Preparation

Training Setup

Requirements for Hands on Dry Abrasive Blast Cleaning Exam (LEVEL 2 ONLY)
Equipment and Misc. Items

- Blast machine and components (small 3-bag pot is acceptable). Blast machine should be listed as 3.0 cubic meters or higher and should have a capacity of at least 300 lbs. of abrasives.
- Compressor properly sized for the operation (nozzle being used) to allow for 90-100 psi air pressure at the nozzle as well as adequate CFM for breathing air.
- Sufficient amount of abrasives, properly sized for the specified profile. Must conform to SSPC-AB 1 Class A – no more than 1.0% free silica content. Use of an abrasive containing more than 1.0% free silica is strictly prohibited and will result in disqualification.
- Blast nozzles (at least one of each, sizes 5 and 6)
- Appropriately placed breathing air filter and moisture traps, as needed
- Aftercooler/dryer (as conditions warrant)
- CO monitor (if diesel compressor is used for breathing air)
- Deadman controls
- Oil in abrasive test supplies (ASTM D7393) (glass Jar)
- Painted steel test panel (1 panel per student; constructed IAW ASTM D4228 requirements or SSPC approved equivalent).
  Important Note: "Equivalent" test panels must be at least the same size as the D4228 Panel and be of the same configuration on the "complex" side. The panel must be approved by SSPC in advance of scheduling the exam. Not having the specified or SSPC approved test panel at the exam location will result in disqualification. To ensure conformity, SSPC recommends that the facility furnish a photograph, in advance, of the test panels to be used at the test site. Accepted test panels shall be placed at least 12 inches above ground level.
- Required PPE (e.g. NIOSH-certified blast hood/respirator, shields, gloves, coveralls or "Tyvek" suit, hearing protection, foot protection) for both candidates and proctors.
- Equipment/supplies to rope off/barricade blasting area
- Sufficient lighting (minimum 20 foot candles; artificial or natural) See SSPC Guide 12 if testing in a dark area.

QC Equipment – Properly operating and calibrated for use

- Equipment to measure ambient conditions and surface temperature, to measure air pressure at the nozzle (needle gage), and to check for nozzle wear beyond original size (nozzle orifice gage).
- ASTM D4417, Method C: Replica Tape, X-Course or X-Course Plus; Method B: Surface
- Profile Depth Micrometer. Note: Use of Method C for measuring surface profile of the blast-cleaned panel is the recommended and preferred method for determining the achieved surface profile. Method B can be used as a backup if material and instruments used for Method C are unavailable.
- Micrometer
- Blotter Test Materials (ASTM D4285)
- Light meter (if testing in a dark area) to confirm conformance with SSPC Guide 12.
- Magnifying Glass

Documents and Forms

- SSPC Blast Cleaning Standards (SP 6, 10, & 5)
- SSPC-AB 1
- SSPC-VIS 1 (2002 version)
- SDS for abrasive used.
- PDS for abrasive used.
- SOPs (operating procedures) for blast machine and components.
- Inspection forms to record conditions, cleanliness achieved, and surface profile achieved.
- Forms can be customized for exam recordings.

Requirements for Hands on Spray Painting Exam (LEVEL 2 ONLY)

Equipment and Miscellaneous Items

- Airless or conventional spray pump (with properly operating gages) and related components.
- Specified (per PDS) spray gun/tips.
- Specified brushes (per PDS) for stripe coating.
- Power source equipment (e.g. compressor; generator)
- 2-component coating material (OZ, epoxy, or alternative material approved in advance by SSPC) USE FAST CURE MATERIAL, IF PANEL HAS TO BE BLASTED OFF SOON AFTER THE SPRAY EXAM.
- Thinner/reducer/measuring device
- Straining supplies
- Power mixing equipment
- PPE (e.g., respirator, gloves, eye protection, hearing protection)
- Equipment/supplies to rope off/barricade work area.
- Sufficient lighting (20 foot candles; Artificial or Natural) See SSPC Guide 12 if testing in a dark area.
- Spill kit/procedures
- Supplies for masking and overspray protection (as applicable)

QC Equipment– Properly operating and calibrated for use

- Same as for blast cleaning above for ambient conditions and surface temperature.
- Calibrated SSPC-PA 2 Type 2 DFT gage in good operating condition.
- Material temperature gage
- WFT Gages

Documents and Forms

- PDS & SDS for material being applied
- SSPC-PA 2 (Current version)
- Inspection forms to record material identification (batch numbers, environmental conditions and DFT measurements. Forms can be customized for exam recordings.

Note: Spray painting must be done in an appropriately ventilated area. Spray painting cannot be done in a US OSHA defined "Confined Space."

Equipment

- Equipment to measure ambient conditions and surface temperature, to measure air pressure at the nozzle (needle gage), and to check for nozzle wear beyond original size (nozzle orifice gage)
- ASTM D4417, Method C: Replica Tape, X-Course or X-Course Plus; Method B: Surface Profile
- Depth Micrometer.
  Note: Use of Method C for measuring surface profile of the blast-cleaned panel is the recommended and preferred method for determining the achieved surface profile.
- Micrometer
- Calibrated SSPC-PA 2 Type 2 DFT gage
- Blotter Test Materials (ASTM D 4285)
- Light meter (if testing in a dark area) to confirm conformance with SSPC Guide 12
- Magnifying Glass
- Material temperature gage

Documents and Forms

- SSPC Blast Cleaning Standards (Current versions SP 6, 10, & 5)
- SSPC-PA 2 (Current version)
- SSPC-AB 1 (Current version)
- SSPC VIS 1 (2002 version - SSPC #02-12)
- Various related industry standards

Level 2 Interim Status

SSPC Interim Application Specialist Certification is valid for a maximum of two three-year terms or 6 years. Those wishing to renew their application specialist certification after completion of the second term must take a "Full Status" written exam in order to transfer certification status from "interim" to "full."

Certification will be valid for no more than three years and is maintained by:
Successful completion of a minimum of 20 hours per year (60 hrs. total) of training related to the candidates' profession.

Options for Interim Status Renewal

- Option A - Submit 60 hours total of formal training that the candidate received during the three-year term. See attached formal training we accept
- Option B - Instead of recertifying your CAS Interim Status you can just move onto the CAS
- Full Status Program
- No need to submit 60 hours total of formal training
- Complete the CAS Full Status pre requisite form
- Take a 200 multiple choice written exam

The Interim status renewal forms can be downloaded below, complete and submit these forms with your updated contact information directly to SSPC.

Certification Period (Months): 48

CAS 2800C SSPC C-1 Fundamentals of Protective Coatings (CERTIFICATION)

Duration (Hours): 40 hours/5 Days (Includes Course Exam)

Minimum/Maximum Participants: 1 Instructor to 20 Participants

Prerequisite/s: None

Renewal Requirements: None

Application/Pre-requisite Form: None

Course Description

This course provides a practical and comprehensive overview for those who are new to the protective coatings industry. It is also an ideal refresher for reviewing the fundamentals of corrosion and the use of coatings as a protective mechanism.

After attending this course, student will be able to:

- Identify types of corrosion and select coatings that meet project demands.
- Recognize the different types of coatings available and the various mechanisms at work in the process of protection.
- Discuss how proper surface preparation is critical to achieving the maximum level of protection available through protective coating systems.
- Describe the inspection equipment and methods used to ensure that all specification requirements are met.
- Classify coating selection and application by facility and service environment.
- List the factors that accelerate coating deterioration and the techniques used to avoid common defects.
- Distinguish the unique selection and application problems with coating concrete surfaces.
- Recognize the safety hazards involved in coating operations and the responsibilities of management and workers in safety training and practices.

Course Content/Agenda

- Corrosion and Corrosion Control
- Coating Types and Their Mechanisms and Protection
- Surface Preparation for Painting
- Application of Coatings
- Inspection and Quality Control
- Coatings for Steel Structures
- Coating Degradation, Defects, and Failures
- Coating of Concrete Surfaces
- Safety in Painting Operations

Accreditation and recognition by the following agencies:

- Florida Board of Professional Engineers (FBPE)
- New York Board of Professional Engineers
- International Association of Continuing Education and Training (IACET)
- Department of Veterans Affairs

Training Preparation

Course Materials

Each participant will receive a comprehensive manual that includes a glossary of terms, references for additional reading, and copies of relevant handouts, standards, and regulations.
The written exam consists of 100 multiple-choice questions. To receive a certificate and CEUs, you must attend all 40 hours of the course and attain a 70% or better score on the exam.

Course details can be found at SSPC's web site at
http://www.sspc.org/Fundamentals-of-Protective-Coatings-C1

Training Setup

Host Facility Requirements:

- QC Equipment and Misc. Items – Properly operating
- Equipment to measure ambient conditions and surface temperature (DPM, Sling Psychrometer,
- PTC Contact Thermometer, Psychrometric Tables)
- Surface Profile Depth Micrometer
- Surface Replica Tape (Extra Coarse), burnishing tool (swizzle stick)
- Surface Profile Comparators Magnifier
- Coating Thickness Standard
- Wet film thickness gages
- Illuminated Inspection Microscope
- 24 - Q-Panels (Aluminum Smooth Finish)
- Positector 6,000 Type 2 DFT Gage FN Probe
- Plastic shims for type 2 gages

Documents, Standards, and Forms:

- SSPC VIS 1 Standards
- SSPC VIS 2 Standards
- SSPC VIS 3 Standards
- SSPC VIS 4 Standards
- SSPC VIS 5 Standards
- SSPC PA 2
- SSPC-PA 9
- SSPC PA 17
- SSPC SP 11
- SSPC SP 15
- SSPC SP 16
- Flash Rust Evaluation Guidelines
- Surface Preparation Specifications and Practices
- SSPC-Guide #19, Selecting Coatings for Use Over Galvanized Substrates
- SSPC-PA Guide #11 Protecting Edges, Crevices, and Irregular Steel Surfaced by Stripe Coating
- Using Coatings Inspection Instruments (SSPC Publication)

CAS 2801C SSPC C-2 Planning and Specifying Industrial Coatings Projects (CERTIFICATION)

Duration (Hours): 40 - 5 Days (Includes Course Exam)

Minimum/Maximum Participants: 1 Instructor to 20 Participants

Prerequisite/s: - Completed Fundamentals of Protective Coatings (C1) or an equivalent body of knowledge. C2 is not an introductory course and does not review the material contained in C1. Download a self-assessment checklist to determine your grasp of these fundamental topics. If you do not have a working knowledge of most of these topics, you should consider taking C1 prior to C2. This information is to serve as a self-assessment to evaluate your preparedness for taking C2 and the PCS exam.

C2 fulfills part of your training requirement for SSPC Protective Coatings Specialist (PCS) certification and prepares you for the challenging Protective Coatings Specialist Exam. All PCS candidates who do not have 15 years of experience must take and pass the C1 and C2 before sitting for the PCS Exam. There is no approved alternative training accepted.

Course Description

This course is designed to provide those who understand coating fundamentals with an overview of the principles of planning, awarding, and monitoring the quality of new construction or maintenance painting projects. After completing this training program, students will be familiar with tools to develop effective coating projects and play a more active role in managing painting projects to successful completion.

After attending this course student will be able to:

- Identify the key issues in managing a coatings project, including contracts, specifications, coating selection, and the roles of project participants
- Analyze and prepare a coating specification through the use of corporate engineering standards
- Recognize the cost of corrosion and select materials to mitigate it
- Estimate accurately in project cost analysis
- Define scheduling requirements, exposure environments, and coating systems for new construction
- Conduct facility condition surveys and analyses for maintenance painting
- Apply documentation methods during project administration

- Recognize coating failures
- Identify and comply with relevant environmental regulations

Each participant will receive a comprehensive manual that includes a glossary of terms, references for additional reading, and copies of relevant handouts, standards, and regulations as well as an overview of the coating fundamentals covered in SSPC's C1 course. Students can refer to this overview as needed during the C2 course for a refresher. Topics covered in this course assume a knowledge of the fundamentals. The written exam consists of 100 multiple-choice questions. To receive a certificate and CEUs, you must attend all 40 hours of the course and attain a 70% or better score on the exam.

Course Content/Agenda

- Roles and Responsibilities of Contracting Parties
- Specifications for Coatings Projects
- Preparing, Awarding, and Managing Coating Contracts
- Quality Management
- New Construction and Maintenance Painting
- Economic Considerations for Industrial Coating Projects
- Coating Failures - Causes, Identification, and Analysis
- Safety and Environmental Concerns for Owners and Coating Contractors

Course details can be found at SSPC's web site at
http://www.sspc.org/Planning-and-Specifying-Industrial-Coatings-Projects-C2

Training Preparation

Training Setup

Host Facility Requirements:

Publications:

- SSPC Pocket Guide to Coating Information - 2nd Edition
- Volume 1 Good Painting Practice #02-14 & Volume 2 Systems & Specifications #08-02
- The Inspection of Coatings and Linings handbook #03-14
- Corrosion and Coatings an Introduction to Corrosion for Coatings Personnel #98-08
- Vis 1 #02-12
- Vis 2 #00-08
- Vis 3 #04-07
- Vis 4/NACE Vis 7 #01-05
- Vis 5/NACEW Vis 9 #01-06
- Flash Rust Evaluation Guidelines #10-01

- Selecting Coatings for Industrial and Marine Structures #08-01
- ISO 8501-1 1:2007 #07-01
- ICRI Technical Guideline NO.03732 – Updated 2013 #97-13 (Concrete Standards)
- VCM-Visual Comparison Manual – Book #99-01 & CD # CD03
- Basic Spray Application Manual #04-05
- Practical Math for Protective Coatings Industry #03-05
- Shop Painting of Steel #02-01
- The Fundamentals of Cleaning and Coating Concrete #01-10 & CD #CD08
- ASTM Standard Copies – D3359-02 / D4541-02 / D4227-99 / D6677-01 SSPC Paint Application Specification No 2

Certification Period (Months): Permanent

CAS 2802C SSPC C-3 Supervisor/Competent Person Training for Deleading of Industrial Structures (CERTIFICATION)

Duration (Hours): 32 hours/4 Days (Includes Written Exam)

Prerequisite/s: None

Application/Pre-requisite Form: None

Renewal Requirements: None

Minimum/Maximum Participants: 1 Instructor to 16 Participants

Websites/Files/Training Resources:
The iFTI will provide an electronic copy of student manuals to the training facilities upon request for printing locally.

Course Description

C3 includes background information on the hazards of lead and other toxic metals as well as the current legal and regulatory environment. The course contains specific discussions on protecting workers, compliance with environmental regulations, proper management of waste streams and operations that result in potential exposures to lead, and associated control technology. The course also addresses reading specifications and developing programs to effectively control risks to workers, the public, and the environment. It concludes with a discussion of insurance and bonding issues, and an introduction to other safety and health issues that are encountered on painting projects.

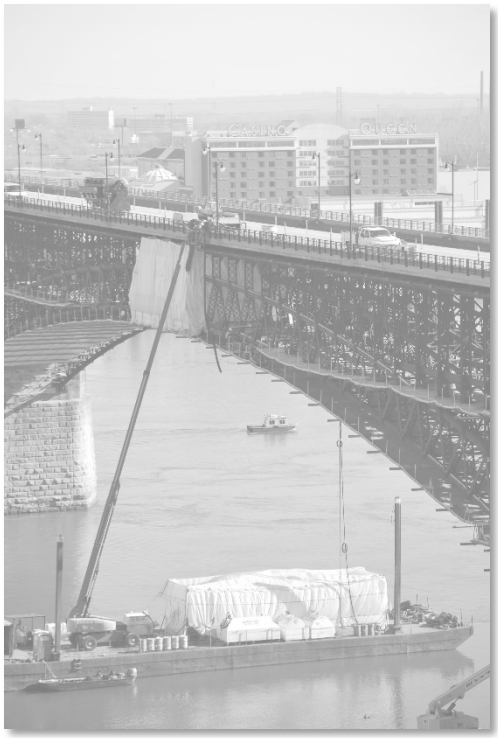
Course Format

Each participant will receive a comprehensive manual that includes a glossary of terms, references for additional reading, and copies of relevant handouts, standards, and regulations. Each of the lectures/discussions will be complemented with show-and-tell demonstrations. In addition, hands-on workshops following most of the units reinforce the key points and give students the opportunity to test the knowledge gained through skill evaluations. A brief daily homework assignment reinforces the key items from each unit discussed and helps the student prepare for the 100-question multiple-choice examination administered at the end of the course.

To receive a certificate and CEUs, you must attend all 32 hours of the course and attain a 70% or better score on the exam.

State Supplements

For Illinois, Maryland, New Jersey and Virginia state supplements are available with this course for an additional charge of $50 per state. For information on State Supplements contact Nicole Lourette at lourette@sspc.org or call her at 412-281-2331, ext. 2204.



QP 2 Requirements
This SSPC course meets the requirements of state programs that require refresher training to maintain supervisor certification and meets SSPC-QP-2 requirements for competent person training certification.

Course details can be found at SSPC's web site at
http://www.sspc.org/Lead-Paint-Removal-C3

Course Content/Agenda

After attending this course student will be able to:

- Identify the sources of lead paint and the relative risks posed by industrial painting activities.
- Recognize the potentially harmful effect of lead paint on workers, the public and the environment
- Determine the necessary controls to protect the public, the environment, and workers during industrial de-leading activities
- Apply procedures to measure and verify the continued adequacy of the control options for their respective projects

Topics include:

- Background Information on Lead and Other Toxic Metals
- Legal and Regulatory Overview
- Worker Protection from Lead and Other Toxic Metals
- Compliance with Air, Soil, Water/Sediment, and Dust Regulations
- Management of Solid and Hazardous Waste
- Sources of Lead Exposure
- Control of Environmental Releases
- Specifications and Site-Specific Compliance Plans
- Work Site Preparation
- Insurance and Bonding Issues
- Other Safety and Health Hazards

Training Preparation

Training Setup

Host Facility Requirements:

- Duct Tape
- Set Of Dice
- Trowel (Garden Trowel)
- Masking Tape
- Sample Collection Cups 1-Quart Plastic Container
- Package Of Glitter – Arts & Crafts Glitter
- Chemical Spot Test Kits – Lead Check 8 Pack
- Utility Knife
- Wood Chisel
- Paint Chip Sample Bag – Med. Ziploc Freezer Bags
- Mini Screwdriver Set
- 18” Stainless Steel Ruler
- Box Of Ziploc Sandwich Storage Bags
- Soil Sample Syringe – 40 Ml Plastic
- Measuring Tape – Stanley 16’ Steel Sae/Metric
- Ghost Wipes Lead Dust Wipes
- 3m 6000 Series Half Mask – Size Medium
- 3m 6000 Series Half Mask – Size Large
- 3m 6000 Series Full Mask – Size Large
- Standard Deck Of Cards
- Escort Elf Single Pump Kit C/W Charger
- 37mm Sampling Cassette – 0.8um
- Magnehelic Pressure Gauge 0-1 Inch H2o
- Dwyer Portable Gauge Kit
- Dwyer Visi-Float Flowmeter 1-20 Lpm Air
- Gillian/Gilibrator Flow Meter Standard Air Flow Calibrator
- Dwyer Manometer Mark Ii 25 U Inclined
- Dwyer Manometer Stand
- Hose Barb For Visi-Float Flowmeter
- Alnor Rotating Vane Anemometer 801
- “Rainbow Passage” – Word Document
- Random Number Table – Word Document
- SSPC Vis 1 Guide
- SSPC Vis 3 Guide
- SSPC Vis 4 Guide
- SSPC Vis 5 Guide
- SSPC Guide 6
- Hazardous Waste Labels
- Uniform Hazardous Waste Manifest
- Chain Of Custody Form
- Complete Sets Of Containment Drawings - Blueprints
- SSPC Specifications – Complete Set Of Standards
- Coated Sample Plates - Lead Coating Preferred Or Use Lead Plate
- Plexiglas Air Box C/W Small Exhaust Fan

Certification Period (Months): 12

CAS 2803C SSPC C-5 Lead Paint Removal Refresher (CERTIFICATION)

Duration (Hours): 8 (1 Day includes Written Exam)

Prerequisite/s: Must take SSPC C-3 first

Renewal Requirements: None

Application/Pre-requisite Form: None

Minimum/Maximum Participants: 1 Instructor to 20 Participants

Websites/Files/Training Resources:
The iFTI will provide an electronic copy of student manuals to the training facilities upon request for printing locally.

Course Description

This one-day course provides refresher training for supervisors/competent persons who are responsible for industrial de-leading operations. It starts with a review of basic information about lead and the human health hazards associated with it. The course continues with a review and update of relevant EPA regulations and progresses through discussions of 29 CFR 1926.62 and changes in the Respiratory Protection Standard (29 CFR 1910.134). C5 concludes with discussions about emissions control as presented in SSPC Guide 6.

Course Format
Each participant will receive a comprehensive manual that includes a glossary of terms, references for additional reading, and copies of relevant handouts, standards, and regulations. The written exam consists of 25 multiple-choice questions. To receive a certificate and CEU's you must attend all 8 hours of the course and attain a 70% or better score on the exam.

State Supplements
For Illinois, Maryland, Missouri, New Jersey and Virginia state supplements are available with this course for an additional charge of $50 per state.

Important: This SSPC course meets the requirements of state programs that require refresher training to maintain supervisor certification and meets QP 2 requirements for Competent Person refresher training certification.

Course details are found at SSPC's web site at http://www.sspc.org/Lead-Paint-Removal-Refresher-C5

Course Content/Agenda

After attending this course student will be able to:

- Describe the chemical characteristics and historic uses of lead
- Recognize that other potentially hazardous toxic metals and materials may be present in coatings
- Discuss the applicability of the major federal statutes governing air, soil, water/sediment, waste, and dust to industrial painting projects
- Describe the hierarchy of controls required to reduce worker exposures to lead, including the relationship of engineering controls, work practice controls, and respiratory protection
- Apply required exposure monitoring, medical surveillance, and training programs to comply with the requirements of the standard

Topics include:

- Background Information
- Regulatory Update
- Worker Protection from Lead and Other Toxic Metals
- Control of Environmental Releases

Certification Period (Months): 60

CAS 2804C SSPC C-7 Abrasive Blasting Program (CERTIFICATION)

Duration (Hours): 16 hours/2 Days (Includes Written Exam and Hands-on Skill Assessment)

Prerequisite/s: Students wishing to achieve C-7 Certification must pass a written exam and a hands-on assessment. Each student must also submit a pre-requisite form showing a minimum of 800 documented hours blasting in an industrial or marine environment prior to qualifying. This program is not intended for inexperienced blasters.
http://shop.sspc.org/trn-crs-blastc7-prereq

Minimum/Maximum Participants: 1 Instructor to 5 Participants

Renewal Requirements
All certified Abrasive Blasters must re-certify in the fifth year from their initial certification date. All blasters in the program will be notified by mail by SSPC 6 months prior to expiration date of the fifth year of certification.

Certification can be renewed by completing and submitting renewal forms to SSPC, and passing an online open book exam.

Course Description

C7 is designed for contractor personnel who wish to obtain certification or others who wish to learn about dry abrasive blast cleaning of steel. It covers principles of surface preparation, surface cleanliness, surface profile, dust and debris control, and abrasives.
Please note: Students who do not qualify/want to receive the C7 Certification, but would still like to receive training, can attend and receive a certificate of attendance by only attending the lecture portion of the training and observing the blaster demonstration. There are no pre-requisites required for training-only.

Notes:

- A craft-worker that is SSPC Coating Application Specialist (CAS Level II) Certified is considered to have met and exceeded the qualifications of an individual who is SSPC C7 or SSPC C12 Certified or both.
- Candidates may substitute their C7 hands on exam results for the CAS Level II hands on blaster exam, if they have achieved a score of 90% or greater.

Course Format
The course starts out with a classroom overview of fundamentals in preparation for the written exam, which is then followed by a thorough review and walk-through of abrasive blasting equipment setup and operation. Once the written exam is completed, a safety meeting is conducted to review safe operating procedures, including troubleshooting and signals, before the hands-on session takes place.

Following the equipment review, the instructors will observe each student as they describe setup procedures and demonstrate their blasting skills. This format provides candidates with prior blasting experience an opportunity to achieve blaster certification. Each candidate will receive a comprehensive manual that includes copies of useful handouts and industry blast cleaning standards. Those who successfully complete the blaster certification program will receive a certificate and wallet identification card from SSPC.

The written multiple-choice exam is worth a maximum of 100 points. The hands-on evaluation is also worth a maximum of 100 points. Candidates wishing to achieve the C7 Certification and CEU's must attend all 16 hours of the certification and pass the written exam with a score of 70% and the hands-on exam with a score of 90%.

Course details can be found at SSPC's web site at http://www.sspc.org/Abrasive-Blasting-Program-C7

Course Content/Agenda

After attending this course student will be able to:

- Recognize the importance of surface preparation
- Discuss the merits of dry compressed air abrasive and centrifugal shot blast cleaning as a surface preparation method
- Create a surface profile to industry standards that define the level of achievable surface cleanliness

Topics include:

- Principles of Surface Preparation
- Primary Components of an Abrasive Blasting System
- Abrasives
- Nozzle Equipment Operations Hands-On Session
- Portable Centrifugal (Wheel) Blast Equipment

Training Preparation

Training Setup

Equipment and Misc. Items

- Blast machine and components (small 3-bag pot is acceptable). Blast machine should be listed as 3.0 cubic meters or higher and should have a capacity of at least 300lbs of abrasives)
- Compressor, properly sized for the operation (nozzle being used) to allow for 90-100 psi air pressure at the nozzle as well as adequate CFM for breathing air
- Sufficient amount of abrasives, properly sized for the specified profile. Must conform to
- SSPC-AB 1, Class A – no more than 1.0% free silica content. Use of an abrasive containing more than 1.0% free silica is strictly prohibited and will result in disqualification.
- Blast Nozzles (at least one of each, sizes 5 and 6)
- Appropriately placed breathing air filter
- Appropriately placed moisture traps, as needed
- After Cooler/Dryer (as conditions warrant)
- CO Monitor (if diesel compressor is used for breathing air)
- Deadman Controls
- Oil in Abrasive Test Supplies (ASTM D 7393) (glass jar)
- Painted Steel Test Panel (1 panel per student; constructed IAW ASTM D 4228 requirements or SSPC approved equivalent). Important Note: "Equivalent" test panels must be at least the same size as the D 4228 Panel and be of the same configuration on the "complex" side. The panel must be approved by SSPC in advance of scheduling the exam. Not having the specified or SSPC approved test panel at the exam location will result in disqualification. To ensure conformity, SSPC recommends that the facility furnish a photograph, in advance, of the test panels to be used at the test site. Accepted test panels shall be placed at least 12 inches above ground level.
- Required PPE (e.g. NIOSH Certified Blast Hood/Respirator, shields, gloves, coveralls, hearing protection, foot protection) for both candidates and proctors
- Equipment/Supplies to rope off/barricade blasting area
- Sufficient Lighting (minimum 20 foot candles) (Artificial or Natural) (See SSPC Guide 12)

QC Equipment – Properly operating and calibrated for use

- Equipment to measure ambient conditions and surface temperature
- Equipment to measure air pressure at the nozzle (needle gage)
- Equipment to check for nozzle wear beyond original size (nozzle orifice gage)

Documents and Forms

- SSPC Blast Cleaning Standards (SP 6, 10, & 5)
- SSPC-AB 1
- SSPC VIS 1 (2002 version - SSPC #02-12)
- SDS for Abrasive Used
- PDS for Abrasive Used
- SOPs (operating procedures) for blast machine and components

- ASTM D4417, Method C: Replica Tape, X-Course or X-Course Plus; Method B: Surface
- Profile Depth Micrometer. Note: Use of Method C for measuring surface profile of the blast-cleaned panel is the recommended and preferred method for determining the achieved surface profile.
- Micrometer
- Blotter Test Materials (ASTM D 4285)
- Light meter (if testing in a dark area) to confirm conformance with SSPC Guide 12
- Magnifying Glass
- Inspection forms to record conditions, cleanliness achieved and surface profile achieved (optional)

Renewal Forms

Renewal reminder letters are sent to the last known address 6 months prior to the recertification date. The reminder notice includes the re-cert application forms along with information to process a renewal. The forms can be downloaded below, complete and submit these forms with your updated contact information directly to SSPC:

- Certified C7 blasters must document a minimum of 1000 hours of documented experience blasting in an industrial or marine environment. This documentation may be listed on the work experience form. Failure to document experience will result in that experience not counting towards maintenance of certified status.
- Submit the renewal forms to Register and take the certification refresher exam before the expiration date of your certification: Once your renewal packet is received by SSPC, you will receive a User ID and Password via email. You will use this information to access and take the online exam. The recertification exam is intended to be completed "open book" using electronic PDF files of the units found in the student manual, which will be provided online with the exam.

Online Exam

Will include a brief open book written exam. Candidates must pass the exam with a minimum score of 85%. They must take their re-certification open book exam online before December 31 of the fifth year. Blasters who do not successfully re-certify within that 12-month period will have to retake the SSPC classroom portion of the program or an SSPC-approved equivalent.

Upon successful completion of the re-certification process, each blaster will receive a new wallet identification card with photograph.

CAS 2805C SSPC C-12 Spray Application (CERTIFICATION)

Course Description

Duration (Hours): 16 hours/2 Days (Includes Written Exam and Hands-on Skill Assessment)

Minimum/Maximum Participants: 1 Instructor to 5 Participants

Prerequisite/s:

- Must pass a written exam and a hands-on assessment.
- Submit a pre-requisite form showing a minimum of 800 documented hours applying protective coatings with airless/conventional spray in an industrial or marine environment prior to qualifying.

This program is not intended for inexperienced applicators. To be eligible for C12 Certification Program, the pre-requisite form must be completed and signed by your HR Manager. Failure to fill out the form truthfully, or any instance of providing inaccurate information, will result in immediate denial or revocation of the C12 Certification. Failure to cooperate with the program instructors, or properly prepare for the hands-on certification session, will also be grounds for denial of certification.

Application/Pre-requisite Form
http://www.sspc.org/Prerequisites-Airless-Spray-Basics-C-12-without-Simulator-Plus-Certification-2-Days

Renewal Requirements
All certified sprayers must re-certify in the fifth year from their initial certification date. All sprayers in the program will be notified by mail by SSPC 6 months prior to expiration date of the fifth year of certification. Certification can be renewed by completing and submitting renewal forms to SSPC, and passing an online open book exam.

Course Description

This course is designed to train and certify marine/industrial applicators to operate airless/conventional spray equipment. This program assesses the skills of sprayers who have a minimum of 800 hours applying protective coatings with airless/conventional spray in an industrial or marine environment. Candidates are certified through a brief certification written exam and a practical hands-on skill assessment.

Notes:

- A craft-worker that is SSPC Coating Application Specialist (CAS Level II) Certified is considered to have met and exceeded the qualifications of an individual who is SSPC C7 or SSPC C12 Certified or both.
- Candidates may substitute their C12 hands on exam results for the CAS Level II hands on blaster exam, if they have achieved a score of 90% or greater.

Course Format
Classroom:
The classroom session consists of training on the fundamentals of airless/conventional spray technology: spraying protective coatings using airless/conventional spray pumps (e.g., material ratio; material viscosity; mixing; ambient conditions for application and curing; product data sheets; Material Safety Data Sheets (MSDS); spray technique); equipment operation; troubleshooting basics and lessons learned; coating materials appropriate for airless spray, and quality control basics.

Certification Exam and Hands-On Assessment:
On the day two of class a certification written exam is given. Once the written exam is completed, a safety meeting is conducted to review safe gun operating procedures, including troubleshooting and signals, before the hands-on session takes place. The hands-on assessment requires each candidate to spray coatings on a steel test panel constructed in accordance with ASTM D 4228 and to meet the coating manufacturer's product data sheet (PDS) requirements. Candidates must wear appropriate personal protective equipment (PPE) during the hands-on session and must be able to answer questions about troubleshooting if things go wrong with the spray pump operation.

Those who successfully complete the C12 certification program will receive a certificate and wallet identification card from SSPC. Candidates wishing to achieve the C12 certification must pass the written exam with a score of 70% and the hands-on exam with a score of 90%.
Course details can be found at SSPC's web site at
https://www.sspc.org/spray-application-basics-c12/

Course Content/Agenda

After attending this course student will be able to:

- Discuss the advantages of airless/conventional spray technology
- Recognize the importance of when and how coatings are mixed prior to airless/conventional spray
- Apply airless/conventional spray coatings to steel and concrete in a manner that meets the requirements of a given job specification

Topics include:

- Introduction/Overview of Airless/Conventional Spray Equipment Operational Systems
- Proper Mixing Techniques
- Proper Spray Techniques
- Troubleshooting
- Convention Spray (optional)

Training Preparation

Training Setup

Host Facility Requirements:
Equipment and Miscellaneous Items

- Airless or Conventional Spray Pump (With Properly Operating Gages) and Related Components.
- Specified (Per PDS) Spray Gun/Tips
- Specified Brushes (Per PDS) For Stripe Coating
- Power Source Equipment (E.G. Compressor; Generator)
- Two-Component Coating Material (OZ, Epoxy, Or Alternative Material Approved In Advance By SSPC)
- Thinner/Reducer/Measuring Device
- Straining Supplies
- Power Mixing Equipment
- PPE (E.G., Respirator, Gloves, Eye Protection, Hearing Protection) Equipment/Supplies To Rope Off/Barricade Work Area
- Sufficient Lighting (20 Foot Candles)
- (Artificial Or Natural) (See SSPC Guide 12)
- Spill Kit/Procedures
- Supplies For Masking And Overspray Protection (As Applicable)
- A clean abrasive blasted Steel Workshop Panel (1 panel per student; constructed IAW ASTM D 4228 requirements or SSPC approved equivalent). Important Note: "Equivalent" workshop panels must be at least the same size as the D 4228 Panel and be of the same configuration on the "complex" side. The panel must be approved by SSPC in advance of scheduling the exam. To ensure conformity, SSPC recommends that the facility furnish a photograph, in advance, of the workshop panels to be used at the workshop site. Accepted workshop panels shall be placed at least 12 inches above ground level.

QC Equipment– Properly operating and calibrated for use

- Equipment to measure ambient conditions and surface temperature
- Calibrated SSPC-PA 2 Type 2 DFT gage in good operating condition
- Material temperature gage
- WFT Gages

Documents and Forms

- PDS & MSDS for material being applied
- SSPC-PA 2 (Current version)
- Inspection forms to record material identification (batch numbers, environmental conditions
- and DFT measurements (Forms can be customized for exam recordings)

Note: Spray painting must be done in an appropriately ventilated area. Spray painting cannot be done in a US OSHA defined "Confined Space."

Renewal Forms

Renewal reminder letters are sent to the last known address 6 months prior to the recertification date. The reminder notice includes the re-cert application forms along with information to process a renewal. The forms can be downloaded below, complete and submit these forms with your updated contact information directly to SSPC:

Sprayers are required to:

- Complete and submit to SSPC, a Renewal Packet. Renewal letters are sent to the last known address 6 months prior to the recertification date. The letter includes return forms with information to process a renewal.
- Certified C12 Sprayers must document a minimum of 1000 hours of documented experience spraying in an industrial or marine environment. This documentation may be listed on the work experience form. Failure to document experience will result in that experience not counting towards maintenance of certified status.
- Register and take the certification refresher exam before the expiration date of your certification. Once your renewal packet is received by SSPC, you will receive a User ID and Password via email. You will use this information to access and take the online exam. The recertification exam is intended to be completed "open book" using electronic PDF files of the units found in the student manual, which will be provided online.

Online Exam

Will include a brief open book written exam. Candidates must pass the exam with a minimum score of 85%. They must take their re-certification open book exam online before December 31 of the fifth year. Sprayers who do not successfully re-certify within that 12-month period will have to retake the SSPC classroom portion of the program or an SSPC-approved equivalent.

Upon successful completion of the re-certification process each sprayer will receive a new wallet identification card with photograph.

CAS 2807C SSPC C-14 Marine Plural Component (MPCAC) (CERTIFICATION)

Duration (Hours): 16 hours/2 Days (Includes Written Exam and Hands-on Skill Assessment)

Minimum/Maximum Participants: 1 Instructor to 12 Participants

Application/Pre-requisite Form
SSPC MPCAC/C14 Pre-Requisite Form (click to view/download)

Renewal Requirements
All certified Marine Plural Component sprayers must re-certify in the fourth year from their initial certification date.

Prerequisite/s: In order to qualify for the MPCAC/C14 program you must successfully complete a minimum of 2 days (16 hours) of documented training by one of the following:

- An instructor certified by the plural component pump equipment manufacturer
- An instructor certified as a qualified trainer by your employer

The documented training must address, at minimum, proper and safe operation, maintenance and troubleshooting of the plural component spray pump you are being qualified on. The training must include a hands-on component where the student starts, operates and shuts down the equipment.

Candidates for the MPCAC/C14 program must submit a signed letter from the instructor of the training, on letterhead, stating that they were a student in the training class. The date of the class and the location must be included in the letter. Candidates must also submit a copy of the training manual provided. If SSPC is unable to verify the accuracy of any information reported on this form, it may result in rejection of your application.

Note:
SSPC must accept the equipment training in order for the candidate to be eligible for the MPCAC/C14 program.

Candidate must have the following experience to qualify for certification:

- Equipment Operator: 400 hours experience operating a plural component spray pump.
- Spray Painter: 800 hours applying protective coatings with airless spray in an industrial or marine environment.
- Spray Painter & Equipment Operator: 800 hours applying protective coatings with airless spray in an industrial or marine environment and 400 hours operating a plural component spray unit.

Course Description

This course is designed to certify craft workers operating plural component spray equipment and those applying protective coatings on steel in immersion service by airless spray using plural component spray equipment.

Course Format

Classroom:

The classroom session consists of a 6-8 hour review of the fundamentals of plural component spray technology: spraying high solids coatings using airless plural component spray pumps (e.g., material ratio; material viscosity; mixing; ambient conditions for application and curing; product data sheets; material safety data sheets; spray technique); equipment operation; troubleshooting basics and lessons learned; coating materials appropriate for plural component spray with focus on 2K 98% solids epoxies; and quality control basics.

Certification Exam and Hands-On Assessment:

The hands-on assessment requires each candidate to operate the plural component pump and explain its operations. The candidate is also required to spray coatings on a steel test panel constructed in accordance with ASTM D 4228 and to meet the coating manufacturer's product data sheet (PDS) requirements. Candidates must wear appropriate personal protective equipment (PPE) during the hands-on session and must be able to answer questions about troubleshooting if things go wrong with the spray pump operation.

Each participant will receive a comprehensive manual that includes copies of useful handouts and industry blast cleaning standards. Those who successfully complete the MPCAC certification program will receive a certificate and wallet identification card from SSPC. Candidates wishing to achieve the MPCAC certification and CEU's must attend all 16 hours of the certification and must pass the written exam with a score of 70% and the hands-on exam with a score of 90%.

Program Focus

Program focus is on the application of two component (2K) 100% high solids epoxy protective coatings in a marine (shipboard) environment. However, SSPC does have a Plural Component Application for Polyureas and High Solid Coatings course that evaluates the qualifications of those who apply (2K) 100 % solids and polyurea protective coatings using plural component spray equipment in an industrial environment on steel or concrete.

Course details can be found at SSPC's web site at http://www.sspc.org/Marine-Plural-Component-Program-MPCAC-C14

Course Content/Agenda

After attending this course student will be able to:

- Discuss the advantages of plural component spray technology
- Describe a two-part high solids epoxy
- Recognize importance of when and how coatings are mixed on a plural-component spray pump
- Distinguish among the various methods of mixing: manual, at the gun, before the manifold, after the manifold
- Apply plural-component coatings to steel in a manner that meets the requirements of a given job specification

Topics include:

- Introduction to and Overview of Plural Component Equipment Operational Systems
- Troubleshooting
- Characteristics of Plural Component Coatings
- Group Exercise
- Brush & Roll

Training Preparation

Training Setup

Host Facility Requirements/Equipment and Miscellaneous Items

- Plural Component Spray Pump (with properly operating gages) and related components.
- Specified (per PDS) spray gun/tips
- Specified brushes (per PDS) for stripe coating
- Power Source equipment (e.g. compressor; generator)
- Two-component high solids coating material (material approved in advance by SSPC) (USE FAST CURE MATERIAL, IF PANEL HAS TO BE BLASTED OFF SOON AFTER THE SPRAY EXAM.)
- Thinner/reducer/measuring device
- Power mixing equipment
- PPE (e.g., respirator, gloves, eye protection, hearing protection)
- Equipment/Supplies to Rope off/barricade work area
- Sufficient Lighting (20 foot candles) (Artificial or Natural) (See SSPC Guide 12)

QC Equipment– Properly operating and calibrated for use

- Spill kit/procedures
- Supplies for masking and overspray protection (as applicable)
- For certification exams- abrasive blast cleaned steel test panel (constructed IAW ASTM D 4228 requirements or SSPC approved equivalent). The panel must be approved by SSPC in advance of scheduling the exam. Not having the specified or SSPC approved test panel at the exam location will result in disqualification. To ensure conformity, SSPC recommends that the facility furnish a photograph, in advance, of the test panels to be used at the test site. Accepted test panels shall be placed at least 12 inches above the ground level.

Documents and Forms

- PDSs & SDSs for material being applied

- Calibrated ambient conditions and surface temperature gages
- Calibrated SSPC-PA 2 Type 2 DFT gage in good operating condition
- Material temperature gage
- WFT Gages
- SSPC-PA 2 (Current version)
- Inspection forms to record material identification (batch numbers, environmental conditions and DFT measurements (Forms can be customized for exam recordings)

Note: Spray painting must be done in an appropriately ventilated area. Spray painting cannot be done in a US OSHA defined "Confined Space."

Renewal Requirements: All certified Marine Plural Component candidates must re-certify in the fourth year from their initial certification date.

All candidates in the program will be notified by mail 6 months prior to their certification term expiration date. They must take the re-certification open book exam online before December 31 of the fourth year. Candidates who do not successfully re-certify within that 12-month period will have to retake the SSPC classroom portion of the program or an SSPC-approved equivalent.

The re-certification process will include a brief open book exam, taken online or available via hard copy. Candidates must pass the exam with a minimum score of 85%.

Renewal Forms - Renewal reminder letters are sent to the last known address 6 months prior to the recertification date. The reminder notice includes the re-cert application forms along with information to process a renewal. The forms can be downloaded below, complete and submit these forms with your updated contact information directly to SSPC:

Candidates are required to:

- Complete and submit to SSPC a Renewal Packet. Renewal letters are mailed to the last known address 6 months prior to the re-certification date. The letter includes the return application forms with information to process a renewal. To request a Renewal Packet please contact Silvia Palmieri at Palmieri@sspc.org or 877-281-7772 extension 2201.
- Certified Marine Plural Component candidates must document a minimum of 1000 hours of documented experience either spraying or operating plural component spray pumps. This documentation may be listed on the work experience form, which will be sent in your Renewal Packet. Failure to document experience will result in that experience not counting towards maintenance of certified status.
- Register and take the certification refresher exam before the expiration date of your certification. Once your renewal packet is received by SSPC, you will receive a User ID and Password via email. You will use this information to access and take the online exam. The recertification exam is intended to be completed "open book" using electronic PDF files of the units found in the student manual, and will be provided online when you take the exam. Each candidate will receive a new wallet identification card with photograph upon successful completion of the re-certification process.

Certification Period (Months): Permanent

COR 1128C SSPC Lead Paint Safety Worker (CERTIFICATION)

Duration (Hours): 8 hours/1 Day (Includes Course Exam)

Minimum/Maximum Participants: 1 Instructor to 24 Participants

Application/Pre-requisite Form: None

Renewal Requirements: None

Course Description

This one-day course provides training for workers on lead paint abatement and removal from steel structures. It starts with a review of basic information about lead and the human health hazards associated with it. The course continues with a review of 29 CFR 1926.62 and presents detailed information on the Respiratory Protection Standard (29 CFR 1910.134), which is incorporated by reference into the OSHA Interim Final Lead in Construction Industry Standard. The course then presents a review and update of Federal Government regulations involving lead, focusing on regulations promulgated by the EPA. The course concludes with a review of emissions control as presented in SSPC-Guide 6.

Each participant will receive a comprehensive manual that includes references for additional reading, and copies of relevant handouts, standards, and regulations.

The written exam consists of 25 multiple-choice questions. To receive a certificate and CEUs you must attend all 8 hours of the course and attain a 70% or better score on the exam.

Important: The Lead Paint Worker Safety training meets the worker training requirements for the Maryland Department of Environment.

State Supplements: No

Course details can be found at SSPC's web site at http://www.sspc.org/Lead-Paint-Worker-Safety

Course Content/Agenda

After attending this course student will be able to:

- Describe the fundamentals of the OSHA Lead in Construction and Respiratory Protection Standards
- Discuss the fundamentals of applicable environmental protection regulations and best practices
- Recognize the hazards of exposure and appropriate ways to protect yourself from exposure during lead paint removal operations

Topics include:

- Background Information
- Worker Protection from Lead & Other Toxic Metals
- Regulatory Update
- Control of Environmental Releases

Training Preparation

Course Materials

The iFTI will provide an electronic copy of student manuals to the training facilities upon request for printing locally.

Training Setup

Host Facility Requirements:

- Personal Sampling Pump
- Bubble Meter
- CE-Supplied Air Respirator (several different designs?)
- Half-Mask AP Respirator with cartridges
- Full-Face AP Respirator/cartridges
- Traffic Safety Vest

Equipment for Unit 2 Workshop

- PPE (coveralls, gloves, goggles, shoe covers)
- 5 - Tyvek Suits (if they have booties, no additional shoe covers needed)
- 5 - Full body coveralls (cotton)
- 5 - Pairs of Gloves (cotton gardening gloves with leather or plastic reinforced palm/grip)
- 5 - Hard Hats
- 5 - Respirators
- 5 - Goggles -- if using half-mask respirators, full-face respirators do not require goggles
- 3 - Ear Plugs
- 3 - Dusk Masks
- 4 - Foot Covers

LMCI COURSES

Introduction

The Painters and Allied Trades Labor Management Cooperation Initiative (LMCI) advances the collectively bargained finishing industries through communication, trust and mutual respect between the International Union of Painters and Allied Trades (IUPAT) and all the Signatory Employers of the IUPAT. LMCI will be the:

- Primary resource for leader education, knowledge exchange and networking that improves the capabilities of the unionized finishing industry's workforce.
- Recognized leader of a labor management cooperative approach to advance the collectively bargained finishing industry.
- Driving force in expanding the cooperative initiatives to additional finishing industry associations and union entities at all levels.

What is the LMCI?

The LMCI is a jointly administered Taft-Hartley fund for the International Union of Painters and Allied Trades, AFL-CIO (IUPAT) and contractors signatory to contracts with the IUPAT.

The LMCI fosters and promotes better labor relations between the union and its employers. The LMCI also works to enhance market share for contractors signatory to the IUPAT. As industry advocates, we give our contractors and members a single, unified voice on issues of mutual interest.

Courses

Below is a summary of the course offerings:

Course Code	Course Name
LMCI 101	Estimating Essentials
LMCI 103	Mutual Gains Bargaining Seminar
LMCI 100	Project Management
LMCI 104	Soft Skills - Tools for Relationship Success
COR 1205	Steward Training

Registration Procedures

This includes steps of submission, approval, and processing for any off campus courses

A. **Submission**

1. A Request Form is completed
    - The Field Staff (Industry Liaison) partner with Affiliate to complete the request form in its entirety with all lines/boxes of the form complete and all required signatures obtained.
    - Any abnormalities or special circumstances surrounding the class should be noted in the original submission.
2. Email Request Form
    - The Industry Liaison (IL) submits completed form through email, 12 weeks prior to the first day of training.
3. Review the request for completion
    - LMCI office reviews completion of the form and verifies all needed backup is included and correct. If anything is missing, IC will reach out to field staff.
4. Approval - Send confirmation email
    - LMCI office sends an email confirming receipt and approval of course.

B. **Training Preparation & Student Registration**

- <u>Project Management and Estimating Essentials Courses</u>:
    - The LMCI office will set up on-line registration via the LMCI website
    - The LMCI office will email invitations to all contractors within the jurisdiction of the hosting Training Fund or association (Note: we may not have email addresses for all contractors within our database)
    - Students submit their registration to attend
    - The LMCI office sends a confirmation email to students once the minimum amount of registered students is reached.
    - The LMCI office will send registration status to the designated local contact person and the IL on a weekly basis.
    - The hosting Training Fund or association is responsible for helping to promote the course to ensure there is a full and productive class.
    - After course completion the hosting Training Fund or association must return all class supplies to the LMCI office

- <u>Soft Skills and Steward Training Courses</u>:
    - The hosting Training Fund or association is responsible for promoting and filling the course with students
    - The hosting Training Fund or association will submit the list of students to the LMCI so that appropriate supplies may be sent
    - After course completion the hosting Training Fund or association must return all class supplies to the LMCI office

LMCI 101 Estimating Essentials

Duration (Hours): 16 (2-day course)

Minimum/Maximum Participants: 12-14

Prerequisite/s: None

Application/Pre-requisite Form : None

Course Description

This two-day course includes classroom and hands-on practice of estimating from review of documents through quantity takeoff, calculation of all direct and indirect costs and concluding with the total price or bid.

The participants work with mentors on projects in the trades they are most familiar with, as well as trades they are not familiar with. The practice is designed to illustrate the basic, comprehensive series of steps that produce winning bids.

Course Content/Agenda

Day 1 Schedule

- Continental breakfast served at 7:30am
- Class starts at 8:00am
- Lunch at 12:00pm
- Snack and break at 2:00pm
- Class ends at approximately 4:00pm

Day 1 Topics

- Overview of Program
- The Estimate and the Estimator
- Contracts and other Bid Documents
- Quantity Takeoff
- Direct Costs
- Indirect Costs, Contingencies and Overheads

Day 2 Schedule

- Continental breakfast served at 6:30am
- Class starts at 7:00am
- Lunch at 11:30am
- Class ends at approximately 3:00pm

Day 2 Topics

- Errors made and how to avoid them
- Practice Estimates
- Internet Resources and Tools

Training Preparation

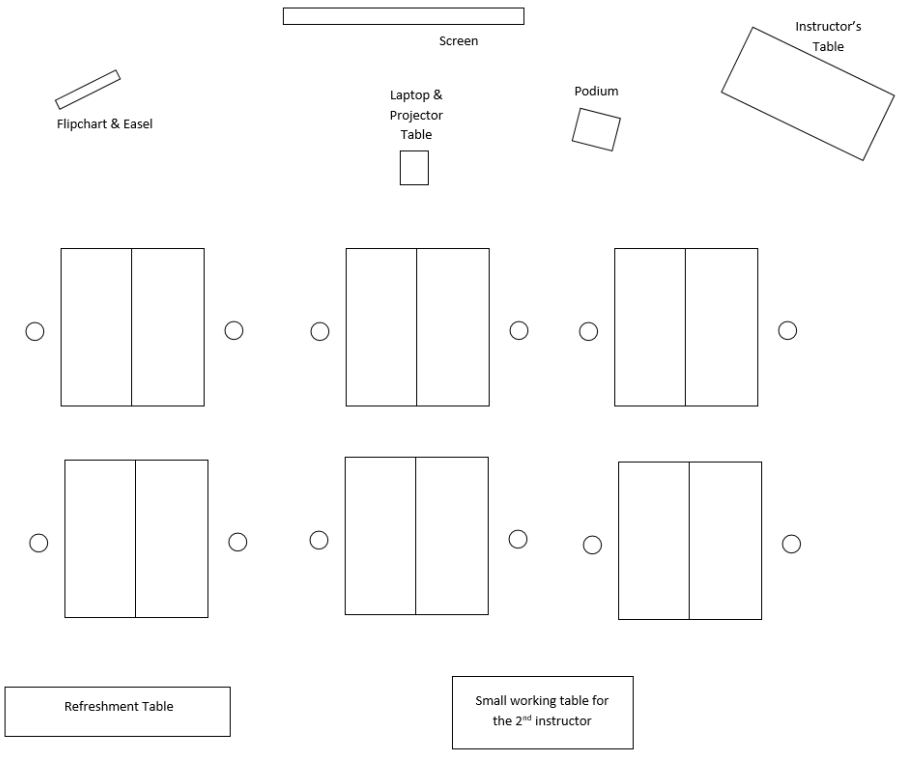
Training Setup

- Contact your local Industry Liaison to discuss the need for a class; location, amount of interested attendees, potential dates, etc.
- The LMCI will need 2 to 3 months notification before the preferred dates.
- Class request form is completed, signed, and returned to the Industry Liaison. The Industry Liaison submits the class request form to the office for approval.
- The LMCI will verify availability of the instructor for your requested dates.

- Pending availability and review, and once approved, your designated local contact person will be contacted to confirm all class details.
- Invitations will be sent out to contractors in your region. Your assistance in promoting the class helps to ensure its success. Preferred class size is 8 to 14 students.
- Student registration is done via the LMCI website (https://www.lmcionline.org/programs/estimating-essentials/), and you will receive periodic updates from the LMCI office with the status of registration for your class.

Room Setup

- Internet access needed – students will need to access the internet to log in and download documents during class.
- Each student will need large workstation to be able to spread out and work with full size blueprint drawings and room to use a laptop – 3x5 or 6' tables for each student.
- Each student will need to bring his/her laptop.
- Small head table for instructor and supplies
- Small table in the rear of the room for the instructor that is not presenting or observers
- Podium preferred
- Refreshment table in rear of room
- Projector and screen (instructor will bring his own laptop)
- If the room is longer on one side then the other, the screen should be set up on the longer wall
- Flip chart with easel
- Electrical outlet – multiple outlets needed. Each student will have a laptop and will need access to be able to plug in and charge the laptop.
- Instructor access to the room the day prior to class for set up.



Certification Period (Months): N/A

LMCI 103 Mutual Gains Bargaining Seminar

Duration (Hours): 16 (2-day course)

Minimum/Maximum Participants: 15 – 40

Prerequisite/s: None

Application/Pre-requisite Form : None

Course Description

The mutual gains negotiation program of Cornell University's School of Industrial Relations forms the basis of this seminar. The method of negotiation is known variably as: interest based, win-win, principled or integrative bargaining. The seminar is designed to convey both the theory and practice of a systematic approach to bargaining that results in better solutions, greater compliance by the parties and improved, more effective relationships.

Course Content/Agenda

Time Table/Agenda (Same Agenda Times for Both Days – 2 Day Seminar):

- 7 am to 8 am – Breakfast
- 8am Start Time – All Attendees In Main Meeting Room
- 12 pm to 1pm – Lunch Break (Separate Room For Meals)
- 2:30 pm – Afternoon Snack In Meeting Room
- 4 pm – End Time

Training Preparation

Training Setup

- Contact your local Industry Liaison to discuss the need for a class; location, amount of interested attendees, potential dates, etc.
- The LMCI will need 2 to 3 months notification before the preferred dates.
- Class request form is completed, signed, and returned to the Industry Liaison. The Industry Liaison submits the class request form to the office for approval.
- The LMCI will verify availability of the instructor for your requested dates.
- Pending availability and review, and once approved, your designated local contact person will be contacted to confirm all class details.
- Invitations will be sent out to contractors in your region. Your assistance in promoting the class helps to ensure its success.
- You will receive periodic updates from the LMCI office with the status of registration for your class.

Room Setup

Meeting Rooms:

- Two rooms – must be close to each other, as the instructor will be running back and forth between the two rooms a lot. Preferably the same size room and set up, but second room set up for ½ the amount of attendees (so if we have 30 attendees total, set the second room up for 15)
- Round tables – 4 to 5 people at each table in a semi-circle or crescent facing the front wall
- Flip charts and easels --- at least 6 strong and sturdy easels – full size sheets for the flip charts.
- One long table in the front of the room for instructor supplies
- Long table in the rear of the room for refreshments and snacks
- Also will need someplace close to the meeting rooms with chairs for small groups (usually just groups of 2 or 3 people) to go for a breakout session and sit to discuss negotiations.

LMCI 100 Project Management

Duration (Hours): 16 hours in classroom; approximately 9 hours online work prior to the class
Prerequisite/s: None

Minimum/Maximum Participants: 15 – 25

Application/Pre-requisite Form : None

Course Description

LMCI Project Management provides some of the tools that an effective Project Manager needs; such as the ability to provide vital independent and professional service, how to plan, lead, organize and control the management of projects and programs, from inception to reality. This Classroom and Distance Learning training enables the Project Managers to manage the projects like a business by making decisions that positively affect the project goals and benefit the signatory contractors of the IUPAT.

It is preferred that students complete the on-line sections prior to the classroom portion due to the fact that some of the material will be reviewed and referenced in the classroom. However, the on-line sections are provided through the iFTI via the Learning Management System (LMS) website. It is imperative that those registering to attend provide us with individual valid e-mail addresses to receive passwords/logins.

There is also a separate portion of the course called the "DiSC Profile Assessment". This is an approximately 10-minute questionnaire that students complete that lets them know what their personality profile type is and how they interact with other profile types. This is an important tool needed for the classroom discussions.

Course Content/Agenda

Day One begins promptly at 8:00 a.m. and typically ends at 4:30 p.m. Day Two begins at 7:00 a.m. and ends typically by 3:00 p.m. Lunch and breaks are included in schedule.

DAY 1 - Thursday	
8:00-9:00	Section 1: Introduction and Review
9:00-10:15	Section 2: Behavioral Preferences (DiSC)
10:15-10:30	BREAK 1
10:30- 12:00	Section 3: Estimating & Budgeting
12:00- 12:45	LUNCH
12:45- 1:00	Section 3: Estimating & Budgeting
1:00- 2:15	Section 4: Planning & Scheduling
2:15- 2:30	BREAK 2
2:30-3:30	Section 11: Conflict Resolution
3:30-4:30	Section 12: Diversity

DAY 2 - Friday	
7:00-8:00	Section 13: Cost Control & Tracking
8:00-10:00	TOOBEEZ WORKSHOP (Round 1)
10:00-10:15	BREAK 1
10:15- 11:30	Section 15: Managing Customer Expectations
11:30- 12:15	LUNCH
12:15- 1:30	Section 5: Motivation
1:30- 1:45	BREAK 2
1:45-2:30	TOOBEEZ WORKSHOP (Round 2)
2:30-3:00	Section 19: Action Planning

Training Preparation

Training Setup

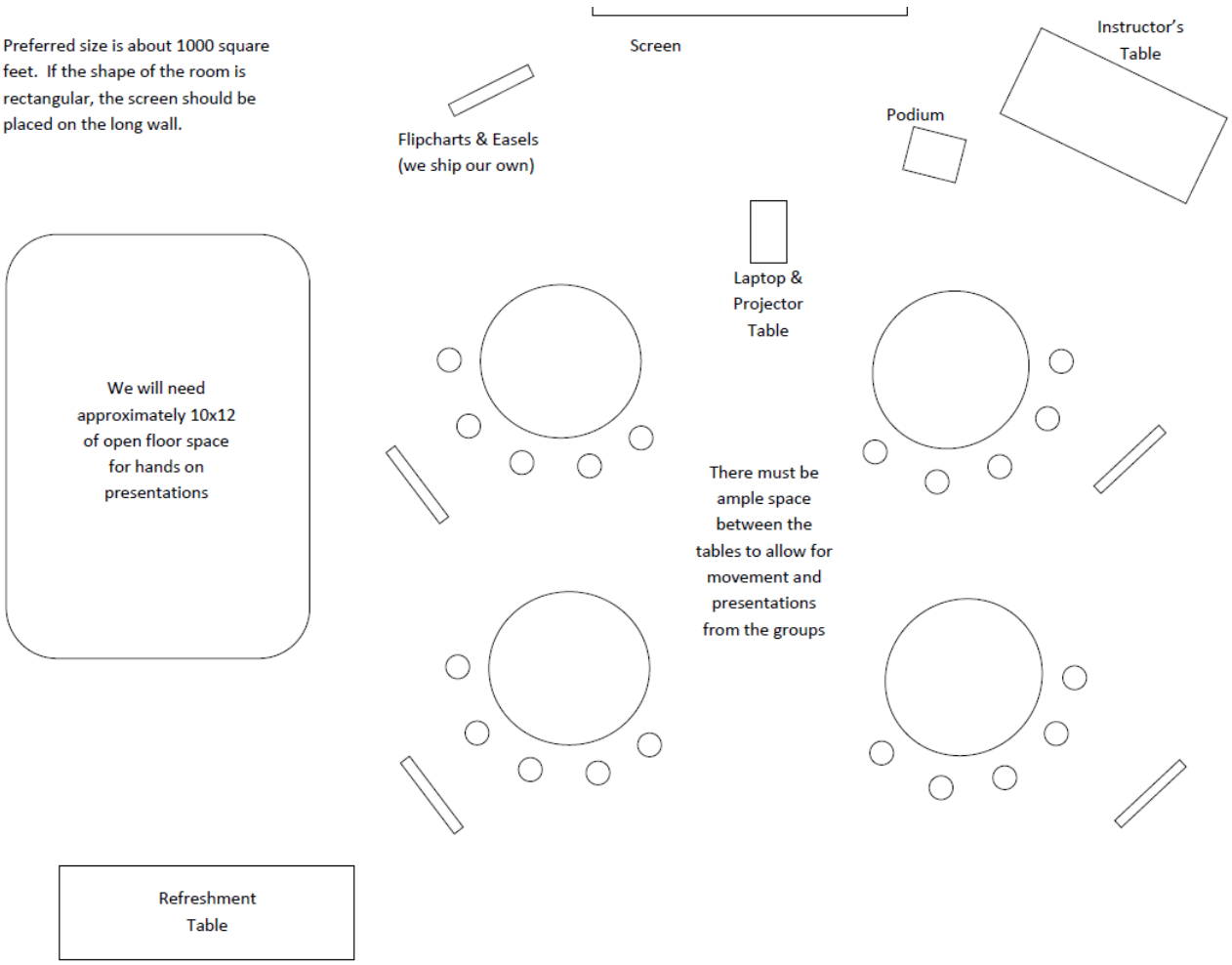
- Contact your local Industry Liaison to discuss the need for a class; location, amount of interested attendees, potential dates, etc.
- The LMCI will need 2 to 3 months notification before the preferred dates.
- The BM/ST and/or Association submits a request letter to the LMCI Administrator for review and approval.
- The LMCI will verify availability of the instructor for your requested dates.
- Pending availability and review, and once the Administrator approves your request, you will be contacted to confirm all class details.
- Invitations will be sent out to contractors in your region. Your assistance in promoting the class helps to ensure its success. Preferred class size is 15 to 25 students.
- Student registration is done via the LMCI website (https://www.lmcionline.org/events/event/lmci-project-management-class/), and you will receive periodic updates from the LMCI office with the status of registration for your class.

Room Setup

See diagram on the next page.

- 4 or 5 round tables with 5 at each table
- Small head table for 2 instructors
- Projection screen (instructor will bring his own projector)
- Flip chart with easels – LMCI will provide
- Electrical outlet
- Instructor access to the room the day prior to class for set up

Preferred size is about 1000 square feet. If the shape of the room is rectangular, the screen should be placed on the long wall.



LMCI 104 Soft Skills - Tools for Relationship Success

Duration (Hours): Offered either as a 4-hour session or as an 8-hour session

Minimum/Maximum Participants: 15 – 30

Prerequisite/s: None

Application/Pre-requisite Form : None

Course Description

This program will inform, motivate, and inspire participants while they learn that there is a direct, daily and routine connection between valuing relationship skills and completing projects and jobs for customers with better profitability. This connection will be made throughout the program.

The program will begin with participants improving their understanding of themselves and how that increased self-awareness benefits every relationship they have with the people they come in contact every day. They will also learn the soft skills that they need to value and practice to improve every relationship they have.

This is offered as either a full day or a half day program. The contents of the program vary based on the length of the session. The basis of the program is the same, but the full day sessions topics are covered in more depth and a few additional items are covered.

Course Content/Agenda

This is offered as either a full day or a half day program. The contents of the program vary based on the length of the session. The basis of the program is the same, but the full day sessions topics are covered in more depth and a few additional items are covered.

Topics include:

- **Construction Business Basics** - Every person responsible for serving customers' needs to understand the basics of the business of construction from estimating and bidding to billing and collections – how do I fit in and why do I need to understand the basics.
- **The DiSC profile behavioral assessment** – understanding who I am and what this means to my effectiveness in communicating, managing, doing, and leading.
- **Communication Skills -** 'the ultimate core competency" and the key to our success in every part of our business is continually improving our communication skills with the same effort and commitment that we strive to improve our craft skills
- **Conflict Resolution** - How do we handle conflict? (the Thomas-Kilmann Conflict Mode Instrument –full day only) – understanding that conflict is something that occurs every day, how I handle conflict and what it means to better relationships and the success of our projects and our business
- **What do customers want** – understanding and valuing customers at every place in our relationship from the first contact to winning the first job to collecting the final invoice is the key to relationships that continue for years

- **Management and Leadership** – These functions are fundamental and very important to success in our business. What are these two functions in our business and how do I fit in?
- **Motivating ourselves and others** – learning, improving, growing, and contributing to the success of our business happens best with motivation practiced as part of the daily routine to achieve the best results we can measured in customer satisfaction and profit for our business.

Training Preparation

Training Setup

- Contact your local Industry Liaison to discuss the need for a class; location, amount of interested attendees, potential dates, etc.
- The LMCI will need 2 to 3 months notification before the preferred dates.
- Class request form is completed, signed, and returned to the Industry Liaison. The Industry Liaison submits the class request form to the office for approval.
- The LMCI will verify availability of the instructor for your requested dates.
- Pending availability and review, and once approved, your designated local contact person will be contacted to confirm all class details.
- For a Full Day program, we will need a full list of all attendees to include valid e-mail addresses as soon as possible, so that the DiSC profile logins can be sent out. For a half-day program, we will need verification of amount of attendees ahead of time so that the proper amount of supplies can be prepared and shipped.
- Verify proper room set up and meals at the class location with Host (see room set up below)

Room Setup

- Classroom style set up
- Small head table for instructor, and podium if available
- Projector and screen (instructor will bring his own laptop)
- Lapel mic if needed (based on the classroom and amount of attendees)
- Electrical outlet and proper connection cords for laptop to projector
- Instructor access to the room the day prior to class for set up

Certification Period (Months): N/A

COR 1205 Steward Training

Duration (Hours): 4

Minimum/Maximum Participants: 15 – 30

Prerequisite/s: None

Application/Pre-requisite Form : None

Course Description

This Top Workplace Performance (TWP) Steward Training Program is designed to promote the Finishing Trades Industry through effective communication, understanding the Collective Bargaining Agreement, trust, one-on-one mentoring, jobsite problem solving, and industry professionalism, along with jobsite productivity.

This course will explain the role that Labor/Management plays in following the TWP plan set forth by the IUPAT, FCA, and affiliated partners of the Finishing Trades Industry. The TWP Steward training course will demonstrate that Labor and Management play an equal part in the evaluation of employees jobsite conduct, work quality, attitude, and skill level. Program includes a lesson on what labor really costs, cash flow, and the high cost of lost time. Case scenarios are used during this course to give the students the opportunity to solve jobsite problems within a classroom setting.
Classes can only be taught by individuals that have attended a Train the Trainer class, or by the LMCI Industry Liaisons.

Training Preparation

Training Setup

- Contact your local Industry Liaison to discuss the need for a class; location, amount of interested attendees, potential dates, etc.
- The LMCI will need 2 to 3 months notification before the preferred dates.
- Class request form is completed, signed, and returned to the Industry Liaison. The Industry Liaison submits the class request form to the office for approval.
- The LMCI will verify availability of the instructor for your requested dates (if applicable).
- Pending availability and review, and once approved, your designated local contact person will be contacted to confirm all class details.

Room Setup

- Classroom style set up
- Small head table for instructor, and podium if available
- Projector and screen (instructor will bring his own laptop)
- Electrical outlet and proper connection cords for laptop to projector