



Performance Verification Packet

INDUSTRIAL IRONWORKER

This performance verification is designed as one method to evaluate job skills and safe work habits of a participant. The performance of the participant must be evaluated by an NCCER certified evaluator, at an NCCER authorized assessment site and be approved by an NCCER accredited assessment center.

Last Updated: October 22, 2012
National Center for Construction Education and Research
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NCCER PERFORMANCE VERIFICATION INSTRUCTION SHEET

Performance Verification Evaluator Preparation Information

- 1) Using the provided equipment and materials list, ensure the equipment and materials are ready for the task(s) being performed.
- 2) Give the candidate a copy of the provided candidate instructions for the task(s) being performed.
- 3) Follow the acceptance criteria given on the Performance Evaluator Checklist.

Submission Sheet Instruction

Participant

- 1) Print your last name, first name, and social security number or NCCER card number.
- 2) Print your company name, current employer, and the state where your employer's main office is located.
- 3) In the space provided for "Participant Signature," sign your name and enter the date you signed the form.

Performance Evaluator

- 1) Print your last name, first name, and social security number, or NCCER card number.
- 2) In the space provided for "Site Code," enter the postal zip code of the location where the performance verification is being conducted.
- 3) In the column provided for "Date," enter the date the participant completed each of the tasks. This date is important because there may be times a participant does not complete the performance verification in one day.
- 4) Record the start and end times for each task in the spaces provided on the evaluator checklist.
- 5) In the space provided for "Performance Evaluator," sign your name.
- 6) In the space provided for "Date," next to your signature, list the date the participant successfully completed all of the tasks.

Administrator

Note: Additional resources (i.e. videos, mock up plans, equipment lists, etc.) for this PV may be available at registry.nccer.org/pvresources

Electronic Submission

- 1) Submit the PV form electronically through the Registry System. See the "How to Create Performance Verification Form" in this packet for directions on how to submit electronically.
- 2) Approval and payment must be completed by the Administrator in the Registry System. Log on to www.nccer.org and click on the "Support" button at the top of the screen. This will take you to NCCER's Knowledge Base. In the search bar type "How to Approve PV Form" for the instructions document on how to approve PVs.

Paper Submission (Please note: if the form is submitted via paper there will be processing wait times.

Approval and payment are required before credit will be given.)

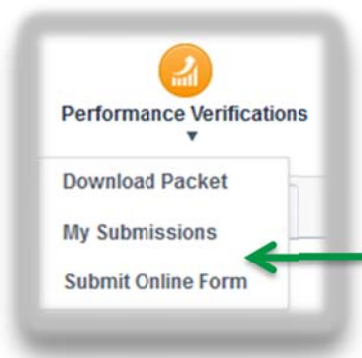
- 1) In the space provided for "Administrator," sign your name. Your signature indicates that the performance evaluator is certified to conduct this performance verification and that it was conducted within the guidelines of NCCER. Do not use a signature stamp.
- 2) In the space provided for "Date", next to your signature, list the date that this performance verification form is being sent to the NCCER for entry into the Registry.
- 3) In the space provided for "Accredited Assessment Center," print the name of the accredited assessment center that is conducting this performance verification.
- 4) Please fax, email or mail the completed submission sheet to NCCER.



HOW TO **Submit a Performance Verification Form**

This form allows for the submission of performance verification tasks for credit. After this form is created it can be tracked through the approval and payment process. Only the role '**Assessment Performance Evaluator**' can create this form.

1. Login to the NCCER Registry System and select the '**Assessment Performance Evaluator**' role.
2. In the **Performance Verification** tab, select **Submit Online Form**.



3. Read the instruction page, check the box and click **Next** to move to the next page.
4. Enter the **card #** of the participant to add them to the form 'or' If you do not have a card number click the **Search for Candidate** button.

Performance Verification Form Submission

Candidate

NCCER Card #: Name: Alternate ID #:

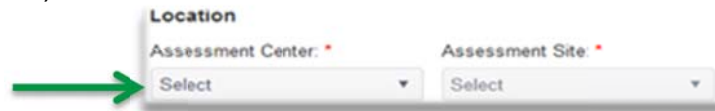
Search by Name or ssn, locate the person from the list and then click the **Add** button to select their record.

<input type="checkbox"/>	NCCER Card #	Name	Alternate ID #
<input checked="" type="checkbox"/>	13771967	Rachel Melton	****6789

10 items per page 1 - 6 of 6 items

(For additional information; see 'HOW TO Create a User' document.)

5. From the drop down menu choose the **Assessment Center** to which this form will be submitted. Then select the assessment site from the drop down menu if applicable. (This would be the location of where the pv's were completed.)

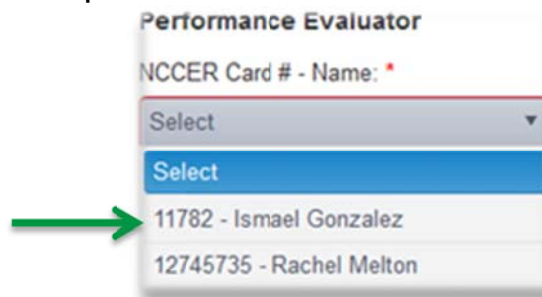


Location

Assessment Center: * Assessment Site: *

Select Select

6. If your role is Performance Evaluator, your information will automatically fill in the Evaluator field. If you are the AAC administrator filling out the form, choose the performance evaluator to be reported on this form.



Performance Evaluator

NCCER Card # - Name: *

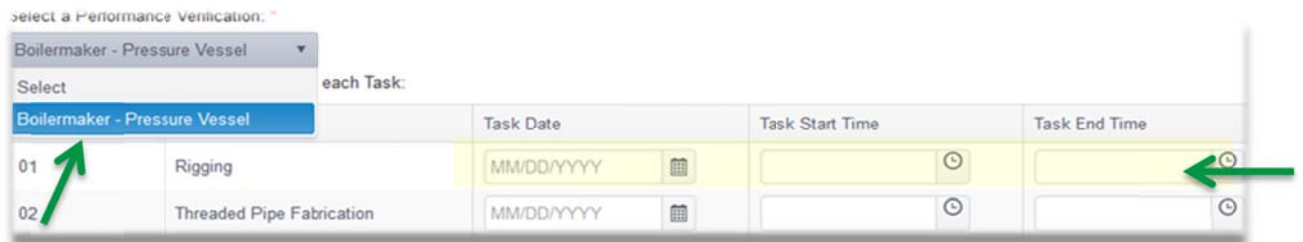
Select

Select

11782 - Ismael Gonzalez

12745735 - Rachel Melton

7. From the drop down menu select the **Performance Verification title**, only the titles the evaluator is certified for will appear in the menu.



Select a Performance Verification: *

Boilermaker - Pressure Vessel

Select

each Task:

		Task Date	Task Start Time	Task End Time
01	Rigging	MM/DD/YYYY		
02	Threaded Pipe Fabrication	MM/DD/YYYY		

8. Now enter the Task Date, Start Time and End Time for each task that was completed as indicated in the above picture.

(NOTE: If you have not yet completed all tasks, you can **Save** the form and come back to it later to enter the rest of the completed tasks before submittal.)

9. When all information has been added, click the **Submit** button to send the form to your administrator for approval and payment.



National Craft Assessment and Certification Program Performance Verification Candidate Information

Industrial Ironworker V3 PVIRON30_03

Focus Statement

An ironworker works comfortably at heights that often reach 2000 feet or higher, recognizes safety-related issues and equipment; masters proper and safe use of a variety of hand and hydraulic, pneumatic, and electrical power tools; recognizes various structural shapes, such as wide-flange beam sections and a variety of fastening materials and their proper uses; directs and assembles different types of mobile and tower construction cranes, creates and develops complex rigging plans for heavy structural steel lifts; effectively communicates hoisting operations using verbal and hand signals; plumbs and aligns steel structures to tolerances set by AISC Code of Standard Practices; fits, bolts, and welds structural members; identifies and interprets a wide variety of blueprint components; calculates weights of a variety of structural shapes, and recognizes the functions and limitations of a wide variety of hoisting equipment and welding processes.

Time Required:
16 hours

Materials/Equipment

All materials and equipment will be provided during the performance verification, unless otherwise specified by the testing center.

Study Material

All NCCER performance verifications are referenced to the NCCER curriculum listed in the content. You may order modules from Pearson (800.922.0579) or from NCCER's Online Catalog at www.nccer.org.

Development

All performance verifications have been developed and approved by subject matter experts from the respective craft.

Credentials

NCCER will send appropriate credentials to the assessment center upon successful completion of the performance verification.

Certified Plus

A Certified Plus Designation may be achieved using this performance verification in conjunction with the Industrial Ironworker V3 IRON30_03

National Registry

Assessment and performance verification results will be maintained in NCCER's National Registry and become a part of each candidate's training records. These records are stored and become a portable record of the candidate's training and assessment achievements.

Performance Verification Task References:

Module Number	Module Name
00101-09	Basic Safety
30102-11	Trade Safety
30103-11	Tools and Equipment of the Trade
30104-11	Fastening
30105-11	Mobile Construction Cranes
30110-11	Plumbing, Aligning, and Guying
30115-11	Field Fabrication
30204-11	Trade Drawings Two
38201-10	Intermediate Rigging

Objective

The candidate will demonstrate the ability to fabricate, erect, use crane hand signals, and handle material in a manner required of a journey-level ironworker. The candidate must complete these key tasks within the time frame set by the evaluator and recommended below, based on site-specific conditions, to be successful.

Scope

This Performance Verification provides a means to be able to observe and evaluate competencies in the following areas:

- Fabricating
- Rigging
- Crane Hand Signals
- Erecting

Materials Required

- Wire Rope Sling
- Nylon Sling
- Softener
- Shackles
- Come-a-Long
- Cable Clamps
- Specification drawing for fabrication / erecting (Provide all material to match drawing)
- Hand and Power Tools
- Personal Protective Equipment, including fall-arresting harness

Time Required

16 Hours

NCCER Performance Evaluator Checklist

Industrial Ironworker

PVIRON03_03

Date Completed	Task to Perform
___-___-___ 1.	Fabricate a Structural Member (beam or angle iron) <ul style="list-style-type: none">• Pulled detail and measurements correctly from drawing• Used proper material• Used all proper tools• Checked square of leading edge• Attached components correctly• Finished structural member matches drawing• Finished product is “square” in all aspects• Final fabricated dimensions are within +/- 1/16”
___-___-___ 2.	Rigging <ul style="list-style-type: none">• Inspected and used at least three (3) rigging devices• Shackles are correct size and turned properly• Tagline is proper length proper knot used on each end• Wire rope is correct size
___-___-___ 3.	Crane Hand Signals <ul style="list-style-type: none">• Correctly demonstrated ten (10) ASME B30.5 crane hand signals with no errors• Effectively ‘flagged’ crane with live load
___-___-___ 4.	Erecting <ul style="list-style-type: none">• Identified and correctly used at least three (3) alignment tools• Calculated correct bolt size• Turned bolts in correct direction at all times• Demonstrated proper techniques to plumb structure• Demonstrated how to tension bolts, using two (2) of the following methods:<ul style="list-style-type: none">• Calibrated-wrench• Turn-of-the-nut• Load-indicating washers• Tension-control bolts
___-___-___ 5.	Safety <ul style="list-style-type: none">• Used PPE• Practiced good safety procedures• Inspected fall-protection devices



PERFORMANCE VERIFICATION FORM
INDUSTRIAL IRONWORKER – PVIRON30_03

Candidate information		
Last Name	First Name	SSN/Card #
Employer/Company Name	State	Code
Evaluator		
Last Name	First Name	SSN/Card #

Task Number	TASK	DATE (MM/DD/YY)	START TIME	END TIME
01	Fabricate a Structural Member (Modules 30115-11, 30103-11, 30204-11, 30110-11, and 30104-11)			
02	Rigging (Module 38201-10)			
03	Crane Hand Signals (Module 30105-11)			
04	Erecting (Modules 30104-11 and 30110-11)			
05	Safety (Modules 30102-11 and 00101-09)			

Consent/Release: I, the undersigned, do hereby authorize the National Center for Construction Education and Research (NCCER) to release the information and results attained through the administration of the National Craft Assessment and Certification Program (NCACP) to the organization referenced below, and acknowledge that the employer noted above is my present employer.

Accredited Assessment Center: _____

Participant: _____ **Date:** _____

Performance Evaluator: _____ **Date:** _____

Administrator: _____ **Date:** _____