
From: Jim Junecko <jjunecko@iuoe487.org>
Sent: Thursday, April 29, 2021 9:10 AM
To: Eric Venable
Subject: RE: Question about amending standards of apprenticeship, etc...

Eric,

Thank you— one thing I noticed in our Standards is that Section XIII, Qualifications of an Apprentice, it reads “applicants for apprenticeship shall possess the following minimum qualifications, which are directly job related:” and then it goes on to list the qualifications, including the Class A license.

Can we just amend that definition in the Standards? Or add language specifying that the license isn’t required for non-crane work performed, etc?

Jim Junecko
Business Agent/ Sec. Treasurer Building Trades Council
IUOE Local 487-District 925
5621 Harney Rd.
Tampa, FL 33610
OFFICE: 813-626-4161
CELL PHONE: 407-346-3525

From: Eric Venable
Sent: Wednesday, April 28, 2021 10:57 AM
To: Jim Junecko (jjunecko@iuoe487.org)
Subject: FW: Question about amending standards of apprenticeship, etc...

Jim

Following our conversation, I reviewed the provisions of the standards that may be impacted by the CDL/heavy equipment discussion.

I have also at the top extracted some language and listing of jobs that fall within the operating engineer classification.

What we have talked about so far as a path forward is as follows:

1. Amend to eliminate CDL requirement for entry into the apprenticeship program
2. Internally, require a cdl for the crane training
3. Possibly establish a work process alternative to the crane training for the heavy equipment operators
4. You are going to check with other training programs to see how they may be handling multiple training paths within one apprenticeship program.
5. At the meeting, it is unlikely that we will be able to complete work on an Amendment to the Standards to be adopted at the meeting. Will suggest ways to get the amendment done between now and the next quarterly meeting.

Let me know if you need anything from us.

Eric

From: Eric Venable <wericvenablepa@tampabay.rr.com>

Sent: Tuesday, April 27, 2021 8:20 PM

To: Eric Venable <Eric@venablelawfirm.com>

Subject: Fwd: Question about amending standards of apprenticeship, etc...

Sent from my iPad

Begin forwarded message:

From: Jim Junecko <jjunecko@iuoe487.org>

Date: April 27, 2021 at 2:30:03 PM EDT

To: Eric Venable <wericvenablepa@tampabay.rr.com>

Cc: Adrian Lacey <alacey@iuoe487.org>, Mark Schaunaman <mark@iuoe487.org>

Subject: Question about amending standards of apprenticeship, etc...

Hey Eric,

Good afternoon, we are in discussions with a few contractors who perform work within our scope—operating heavy equipment but outside of cranes—therefore these types of workers, and potentially new apprentices for us, do not need to have a CDL class A license, which we currently require of applicants to the program. We will be able to expand our program and enroll more apprentices by signing these new contractors—but how can we amend our requirements so that we don't require a CDL for workers of these types? Or can we create an exception for this requirement based on the

type of work a non-crane apprentice would be performing,
etc?

Thank You,

Jim Junecko

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Operating Engineers and Other Construction Equipment Operators

Learn more about how to use the information provided here

Operate one or several types of power construction equipment, such as motor graders, bulldozers, scrapers, compressors, pumps, derricks, shovels, tractors, or front-end loaders to excavate, move, and grade earth, erect structures, or pour concrete or other hard surface pavement. May repair and maintain equipment in addition to other duties.

[Download a Sample Work Process Schedule \(.DOCX\)](#)

TIME-BASEDHYBRID

Work Activities

Below you will find typical work activities and tasks associated with this occupation. Apprenticeship program sponsors may use these and/or other work activities tailored for their needs when building the On-the-Job Training component of their apprenticeship program.

Open allClose all

Update job related knowledge or skills

Position construction or extraction equipment

Monitor construction operations

Operate equipment or vehicles to clear construction sites or move materials

Move construction or extraction materials to locations where they are needed

Locate equipment or materials in need of repair or replacement

Maintain construction tools or equipment

Signal equipment operators to indicate proper equipment positioning

Load or unload materials used in construction or extraction

Operate heavy-duty construction or installation equipment

Communicate with clients about products, procedures, and policies

Review blueprints or specifications to determine work requirements

Install equipment attachments or components

Select construction equipment

Record operational or environmental data

Remove debris or vegetation from work sites

Drive trucks or truck-mounted equipment

Assist skilled construction or extraction personnel

Operate road-surfacing equipment

Compact materials to create level bases

Test air quality at work sites

Estimate construction project costs

Operate pumps or compressors

Provided by O*Net

Registered Occupations

- Crane and Tower Operators
- Control and Valve Installers and Repairers, Except Mechanical Door
- Excavating and Loading Machine and Dragline Operators, Surface Mining
- Paving, Surfacing, and Tamping Equipment Operators
- Pile Driver Operators
- Pipelayers
- Highway Maintenance Workers
- Rail-Track Laying and Maintenance Equipment Operators
- Loading and Moving Machine Operators, Underground Mining
- Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic

Section XIII QUALIFICATIONS OF AN APPRENTICE

Applicants for apprenticeship shall possess the following minimum qualifications, which are directly job related:

1. At least 18 years of age.
2. Physically capable of performing the work of the trade.
3. Valid Class-A driver's license.
4. Reliable transportation.
5. Birth Certificate
6. High School Diploma or GED.
7. 2 Reference letters
8. Working phone number (jobs are assigned by phone).

6A-23.004(j) FAC; Title 29 CFR 29.5(b)(10)

Section XIX MODIFICATION OF STANDARDS

These Standards may be modified or amended at any time by action of the JAC upon approval of the Registration Agency. Such amendments shall be promptly submitted to the Servicing Representative for review and shall not alter apprenticeship agreements in effect at the time of such change without the express consent of all parties to such agreement. **6A-23.003(7); FAC 6A-23.004(2)(q) FAC; Title 29 CFR 29.5(b)(18)**

WORK PROCESS OUTLINE

OCCUPATION/TRADE: Operating Engineer Occ. Code: (0365)

Approximate Hours

1. Backhoe

600

- a) Learn the names and uses of various types of shovels and attachments.
- b) Learn care, preventative maintenance proper oils and greases, and minor adjustments.
- c) Learn to change teeth and cables and adjust frictions, brakes and clutches.
- d) Learn the controls, their importance in the proper operation and movement of machine for safety of other employees and equipment working near the machine.
- e) Learn to read and set grade stakes, also to read prints and instructions.
- f) Learn to make major overhauls working with the operator, the heavy duty

repairman and welder

2. Dragline and Other Bucket Type Equipment **500**

- a) Learn the names and uses of various types of draglines and attachments.
- b) Learn care, preventative maintenance proper oils and greases, and minor adjustments.
- c) Learn to change teeth cables and adjust frictions, brakes and clutches.
- d) Learn the controls, their importance in the proper operation and movement of machine for safety of other employees and equipment working near the machine.
- e) Learn to read and set grade stakes, also to read plans and instructions.
- f) Learn to make major overhauls working with the operator, the heavy-duty repairman and welder

3. Crane, Crawler and wheel types, Derricks, Bridge and Gantry cranes. **3,000**

- a) Learn preventive maintenance, proper oils and greases and minor adjustments.
- b) Learn to adjust frictions, brakes and clutches. Proper operation and movement of machine for other employees and equipment working near the machine.
- c) Learn to read and set grade stake, also read plans and instructions.
- d) Learn to make major overhauls working with the operator, the heavy-duty repairman and welder.
- e) Learn the proper leads that the machine and cables will safely handle.
- f) Learn the difference between a live boom and regular operation.
- g) Learn to give and receive proper signals for hoisting, swinging and lowering materials being handled.
- h) Learn to use outriggers on wheel type machines for protection of the machine and materials being handled.
- i) Learn proper adjustments on engine driven hoists, to repairs and adjustment on ai tugger and air compressors.
- j) Learn to drive truck crane and place it for the most convenient operation of the crane
- k) Become certified on at least 3 different types of cranes.

4. Use of grade Instruments and plans **200**

- a) Learn proper use of instruments and read plans for making grades

5. Maintenance, cutting and burning, Greases and Oils **400**

- a) Learn minor repairs and adjustment.
- b) Learn minor welding and cutting repairs.
- c) Learn the types of greases and oils and their use

6. Motor Patrol **400**

- a) Learn to check, read and set grade stakes and read plans.

- b) Learn to service, maintain and adjust the machine.
- c) Learn the different types of work the machine does, such as fine grading, back sloping, mixing, and laying oil.
- d) Learn to make adjustments and minor repairs with heavy duty repairman and welder

7. Scrapers, Self-propelled and Towed. 400

- a) Learn to operate the various types of motor and electric motor driven machines.
- b) Learn to make proper cuts and fills to the grade stakes.
- c) Learn to service, maintain and repair the different makes of machines

8. Rollers, Flat wheel, Sheep foot and Pneumatic 300

- a) Learn the purpose of the different rollers, the different procedures for compaction the various materials and the operation and care of different types of rollers

9. Skid steer loaders , Hi-lifts and Forklifts 700

- a) Learn to operate the various types, service and make repairs and adjustments...

10. Trenching Machines 200

- a) Learn to read grade stakes and cut trench to grades so indicated.
- b) Learn to operate the various types and sizes of machines and their maintenance and repair.....

11. Bulldozer and Electric Propelled Dozers 600

- a) Learn the different types of work assigned the dozer from pioneer and rough excavation to finish work with mechanic on major repairs

12. General Equipment 500

- a) Learn to operate, service and adjust all types of pumps.
- b) Learn operation and maintenance of pumping machines such as pump crete machine, concrete pump, gunite machine and etc.
- c) Learn the installation, operation and maintenance of well point systems.
- d) Learn to operate, service and adjust all types of electric generation plants.
- e) Learn to operate, service and adjust all types of air compressors, and use and operation of auxiliary equipment.
- f) Learn to operate, service and adjust all types of mechanical heaters

13. Finishing Machines 200

- a) service, make minor repairs, adjust and operate the machines

TOTAL HOURS..... 8,000

RELATED INSTRUCTION OUTLINE

OCCUPATION/TRADE: Operating Engineer

Occ. Code: (0365)

Classroom Hours

First Year Hours 144

IUOE Crane Operating Training Manual

STUDENT WORKBOOK- FIRST YEAR- BOOK NUMBER ONE

- Background of apprenticeship
- Administration of Apprenticeship
- A brief history of labor
- First Aid
- Signaling
- Safety and accident prevention
- Fuels, oils and lubricants
- Orientation on construction equipment
- Soils and compaction
- Grades and stakes
- Basic mechanics and mathematics
- Standard hardware, hand and power tools

STUDENT WORKBOOK- FIRST YEAR –BOOK NUMBER TWO

- Introduction to power- internal combustion engines
- Hydraulics
- Introduction to power trains
- Tires, tracks, undercarriages
- Pneumatics
- Welding
- Rigging and reeving
- Understanding noise and noise control

Second Year Hours 144

STUDENT WORKBOOK- SECOND AND THIRD YEAR- HEAVY DUTY

REPAIRMAN

- Basic electricity and electric motors
- Tools, parts and housekeeping
- Repair and rebuilding of internal combustion engines
- General construction equipment
- Repair of hydraulic systems
- Repair of pneumatic equipment
- Structure of component repair
- Seal and sealants
- Job methods, planning and layout for heavy-duty repairman
- Electrical systems and electronics
- Field and shop repair

Third Year Hours 144

STUDENT WORKBOOK- SECOND & THIRD YEAR - BOOK NUMBER ONE

- Basic electricity and electric motors
- Revolving shovel and crane equipment
- Material hoisting and handling equipment
- General construction equipment
- Material processing and application

SECOND & THIRD YEAR- BOOK NUMBER TWO

- Structure of components
- Industrial rigging seals and sealants
- Mining and tunneling equipment
- Electrical systems and electronics
- Earthmoving equipment
- Grading and ditching equipment
- Compaction equipment
- Paving equipment
- Spreaders
- Finishing machines and screens

Forth year hours 144

Forth year Certification Training

- Crane Load charts
- Crane Range charts
- Footnotes
- Practical test practice exercises
(certification on up to 6 cranes) at least 3 recommended

TOTAL HOURS 576