

Department of Labor & Industries
Apprenticeship Section
PO Box 44530
Olympia WA 98504-4530



REQUEST FOR REVISION OF STANDARDS

TB
L&I apprenticeship coordinator

TO: Washington State Apprenticeship & Training Council

From: MILLENNIUM BULK TERMINALS APPRENTICESHIP PROGRAM
(NAME OF PROGRAM STANDARDS)

SEE ATTACHED

RECEIVED BY L&I AC:
2/29/16 TB

E-MAIL RECEIVED BY
CENTRAL OFFICE:
3/1/16 KR

RECEIVED
Department of Labor & Industries
FEB 29 2016
REGION 4N APPRENTICESHIP
TUMWATER

Authorized signatures

Chair Deric Keith <i>[Signature]</i>	Approved by: Washington State Apprenticeship & Training Council
Secretary Gena Ramey <i>[Signature]</i>	Secretary of WSATC:
Date: 2/29/2016 <i>[Signature]</i>	Date:

attach additional sheets if necessary

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VIII. WORK PROCESSES:

The apprentice shall receive on the job instruction and experience as is necessary to become a qualified journey-level worker versed in the theory and practice of the occupation covered by these Standards. The following is a condensed schedule of work experience, which every apprentice shall follow as closely as conditions will permit.

Employers/training agents shall only use registered apprentices to perform the work processes as stated in this section. [WAC 296-05-303(5)(f)]

A. Industrial Maintenance Electrician

APPROXIMATE HOURS

- 1. Electrical Safety/Process 500
Familiarize the apprentice with the identification and use of the Electrical Safety Materials used in the craft. Including but not limited to standard electrical PPE, JSA's and SOP's.
- 2. Shop Work.....~~500~~1000
Service and repair of equipment, layout and wiring of panel boards, tool room, tools specific to trade scrapping and cleanup, miscellaneous.
- 3. General Plant..... 4400
Placement of conduit and wire; installation of conduit, tray, and wire; installation and repair of lighting; installation and repair of motor and control equipment; testing and troubleshooting of electrical equipment; rigging; movement and placement of equipment; familiarization with electrical equipment and materials.
- 4. Preventative Maintenance..... 600
Cleaning and greasing of electrical equipment; testing of electrical equipment, maintenance records, miscellaneous.
- 5. Rectifier and Substation..... 500
Rectifier, transformer and high voltage maintenance.
- 6. Instrumentation and Metering.....~~1000~~500
Use and care of meters and instruments, calibration and repair of meters and instruments, installation and repair of equipment, preventative maintenance of meters and instruments and valves.
- 7. Processes and Controls 500
General plant operations knowledge, knowledge of process control strategy, understanding of various processes and troubleshooting PLC systems.

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TUMWATER

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Total Hours: 8000

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