

STATE OF WISCONSIN  
CLASSIFICATION SPECIFICATION

WELDER

I. INTRODUCTION

A. Purpose of This Classification Specification

This classification specification is the basic authority under ER 2.04, Wis. Adm. Code, for making classification decisions relative to present and future skilled trade positions located within state government. This classification specification will not specifically identify every eventuality or combination of duties and responsibilities of positions that currently exist, or those that result from changing program emphasis in the future. Rather, it is designed to serve as a framework for classification decision-making in this occupational area.

Classification decisions must be based on the “best fit” of the duties within the existing classification structure. The best fit is determined by the majority (i.e., more than 50%) of the work assigned to and performed by the position when compared to the call concepts and definition of this specification or through other methods of position analysis. Position analysis defines the nature and character of the work through the use of any or all of the following: definition statements; listing of areas of specialization; representative examples of work performed; allocation patterns of representative positions; job evaluation guide charts, standards or factors; statements of inclusion and exclusion; licensure or certification requirements; and other such information necessary to facilitate the assignment of positions to the appropriate classification.

B. Inclusions

This classification is to be used exclusively for positions performing journey level welder work for construction welding of structural and critical members, or boilers, pressure vessels, or high-pressure piping, as regulated through building codes and contractor licensing requirements by the Department of Commerce.

C. Exclusions

Excluded from this classification are the following types of positions:

1. Positions that meet the definition of confidential, professional or supervisor as defined in s. 111.81 (7) and (13) and (19) as administered and interpreted by the Wisconsin Employment Relations Commission.
2. Positions that perform semi-skilled trade work for a majority of the time such as Facilities Repair Worker or Facilities Mechanic. Semi-skilled trades work means the repair or replacement of existing equipment or building components with equipment or components of the same kind and does not alter or affect the performance of any building system, structure, exterior walls, roof or exits.
3. Positions that perform spot welding a majority of the time as opposed to construction welding.

4. All other positions that are more appropriately identified by other classification specifications.
- D. Entrance Into This Classification  
Employees enter positions in this classification through competition.

## II. DEFINITION

### WELDER

This is journey level construction welding work of a complex nature that is regulated by the Department of Commerce and those standards set forth by the American Society of Mechanical Engineers (ASME) and the American Welding Society (AWS). Positions in this classification must be assigned welding duties that are subject to the aforementioned authority; i.e. structural and critical members, boilers, pressure vessels, or high-pressure piping. Employees perform welding work at the journey level under general supervision, normally on a full time basis; however, other related duties may also be assigned as necessary, such as designing, constructing, and repairing ornamental iron work, iron gratings, railings, heavy door hinges, chisels, wrenches, miscellaneous iron parts and fittings, equipment frames and construction tools; keeping records and making reports. Positions in this classification may also direct and instruct apprentices, helpers and other assistants.

Positions are responsible for performing any combination of the following duties:

- Perform oxyacetylen, electric or gas welding, cutting and brazing in the installation, repair and maintenance of high and low pressure steam lines, fixtures and boilers.
- Design, construct, and repair ornamental iron work, iron gratings, railings, heavy door hinges, fire escapes, chisels, wrenches, miscellaneous iron parts and fittings, equipment frames and construction tools.
- Through knowledge of properties of ferrous and nonferrous metals in relation to welding and brazing.
- Direct and instruct apprentices, helpers and other assistants in the trade.
- Keep records and make reports.

## III. QUALIFICATIONS

No person may perform structural welding or welding of boilers, high-pressure piping or pressurized vessels without being registered with the Department of Commerce, upon satisfying the standards of the American Society of Mechanical Engineers (ASME) and the American Welding Society (AWS).

## IV. ADMINISTRATIVE INFORMATION

This classification was created in the 1970s. The specification was modified effective May 14, 2006 and announced in Bulletin OSER-0093-MRS/SC in order to convert the specification to the format used in 2006, provide more specific work examples, reinforce the requirements of the skilled trades and better distinguish the work of the skilled trades from that of the semi-skilled trades (such as Facilities Repair Worker, Facilities Mechanic, etc.).