

AWS C1.5:2015
An American National Standard

Specification for the Qualification of Resistance Welding Technicians



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Specification for the Qualification of Resistance Welding Technicians

3rd Edition

Prepared by the
AWS C1 Committee on Resistance Welding

Under the Direction of the
AWS Technical Activities Committee

Approved by
AWS Board of Directors

Abstract

This specification establishes the requirements for qualification of Resistance Welding Technicians (RWT) employed in the welding industry. The minimum experience, examination, application, qualification, and requalification requirements and methods are defined herein. This specification is a method for technicians to establish a record of their qualification and abilities in welding industry work such as development of machine troubleshooting, processes controls, quality standards, problem solving, etc.



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Personnel

C1 Committee on Resistance Welding

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W. Qualls, 1st Vice Chair	<i>Consultant</i>
E. Abrams, Secretary	<i>American Welding Society</i>
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K. Hofman	<i>RoMan Engineering Services</i>
N. Scotchmer	<i>Huys Industries Limited</i>
D. Sorenson	<i>ENTRON Controls LLC</i>

Advisors to the AWS C1 Committee on Resistance Welding

C. Albright	<i>The Ohio State University-Retired</i>
W. Jaxa-Rozen	<i>Bombardier Transportation</i>
M. Kimchi	<i>Consultant</i>
D. Maatz Jr.	<i>RoMan Engineering Services</i>
M.D. Tumuluru	<i>U.S. Steel</i>

Special Contributors

R. Hirsch	<i>Unitrol Electronics Incorporated</i>
R. Michelena	<i>TJ Snow Company Incorporated</i>

Foreword

This foreword is not part of AWS C1.5:2015, *Specification for the Qualification of Resistance Welding Technicians*, but is included for informational purposes only.

This specification for the qualification of resistance welding technicians was developed to provide a qualification basis, which defines minimum requirements for a resistance welding technician to demonstrate competence through a combination of education, experience, and examination.

The resistance welding technician (RWT) is a person who is responsible for maintaining resistance welding equipment, troubleshooting resistance welding problems, and providing advice on the application of the resistance welding process. The RWT shall be familiar with various resistance welding processes, specifications, basic electrical and mechanical principles, resistance welding equipment, inspection methods, acceptance criteria, tests, welding qualification requirements, and other aspects of fabrication and assembly.

For the welding technicians to be effective, the activities they perform must be consistent with specified requirements, technical, and ethical principles. The RWT may also produce reports aimed at optimizing cost, quality, and productivity. The RWT should be able to work with management representatives, inspection personnel, welders, and support crafts, and should be able to understand the role of each in the development of quality welds.

All revisions to the 2009 edition are identified by a vertical line in the margin adjacent to the text.

Comments and suggestions for the improvement of this standard are welcome. They should be sent to the Secretary, AWS C1 Committee on Resistance Welding, American Welding Society, 8669 NW 36th St, #130, Miami, FL 33166.

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