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**ELECTRIC POWER INDUSTRIAL
STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA**

中华人民共和国电力行业标准

DL

DL/T 679-1999

Code for Welder Technical Qualification
焊工技术考核规程

Issued on: August 2, 1999

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Foreword

This code was developed per arrangement from Planning Project for Standard of Electric Power Industry issued by Electric power industry Department in 1996 (General Techniques with Document Code [1996] 40). Compilation format is per definition from DL/T 600-1996 “Basic Requirement on Electric Standard Compilation”.

This code specifies welder technical class and technical qualification content, meanwhile, specifies organization and supervision on welder technical qualification. As a result, welder technical qualification can be implemented consistently and in a standard way.

This code is based on revision of the original Electric power industry Standard SD 263-88 “Code for Welder Technical Qualification” and Electric Mechanical Manufacturing Standard SDZ 009-84 “Code for Steel Welder Qualification”, and supersedes these two standards.

Appendix A of this code is appendix for this code,

Appendix B of this code is appendix for indication.

This code is prepared and summarized by Power Station Welding Standardization Technical Committee of Electric power industry.

Major organizations for drafting this standard: Research Institution for Electric Power Construction of National Electric Power Utility, Zhengzhou Mechanical Design Research Institution of National Electric Power Utility, Tianjin Electric Power Industry Bureau and Tianjin Electric Power Construction Utility.

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Power Station Welding Standardization Technical Committee of Electric power industry is responsible for explanation.

NOTICE

This code is written in Chinese and English. The Chinese text shall be taken as the ruling one in the event of any inconsistency between the Chinese text and the English text.

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ELECTRIC POWER INDUSTRIAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA Code for Welder Technical Qualification

DL/T 679-1999

1 Scope

1.1 This code specifies welder technical qualification for steel construction, steel pipe, pipeline and vessel during manufacturing, installing and maintaining of generating equipment and power supply unit in Electric Power Industry.

Technical qualification to welder responsible for welding work in Nuclear Power Station should be implemented following specified requirements.

1.2 This code is applicable for technical qualification to welder applying welding method of manual electric arc welding, tungsten electrode chlorine arc welding, consumable electrode gas shield welding, flux cored wire arc welding, gas welding and hidden arc welding, etc. Welder technical qualification for other welding method is to be implemented by referring to this code and other specified requirements.

2 Quoted Standard

Clauses quoted in this code from the following standard form clauses of this code. Issue in effect should be regarded as valid. In case that every standard is going to be revised, parties that make use of this code are encouraged to investigate the possibility of applying the most recent revision of the standards indicated below.

GB 985-88 Basic Groove Form and Dimension for Gas Welding, Manual Electric Arc Welding and Gas Shield welding.

GB 986-88 Basic Groove Form and Dimension for Hidden Arc Welding

GB 3323-87 Butt Jointing Radiograph and Quality Level of Steel Consumable Electrode Welding

GB/T 15169-94 Welder qualification for Manual welding of Steel Consumable Electrode Welding

DL 612-1996 Code for Supervision of Boiler Pressure Vessel of Electric Power Industry

DL 5007-92 Technical Specification for Electric Power Construction and Acceptance (Thermal power plant, welding section)

DL/T 5069-1996 Technical Specification for Electric Power Construction and Acceptance (Butt joint welding of steel bearing pipeline, radiographic inspection section)

JB 4730-94 Nondestructive Test on Pressure Vessel

SD 340-89 Code for Assessment on Boiler and Pressure Vessel Welding Process of Thermal Power Plant

Labor Department Code for Supervision on Safety and Techniques of Steam Boiler

3 General

3.1 Welder technical qualification shall be implemented under guidance of Welder Technical Qualification Committee.

3.2 Welder technical qualification should be implemented by strictly following welding process instruction on the basis that welding process is appraised to be qualified.

3.3 Welder technical qualification is to be implemented gradually per technical condition of parts to be welded.

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