

# JIS

**JAPANESE INDUSTRIAL STANDARD**

**Method of qualification test  
for welding procedure**

**JIS Z 3040<sup>—1995</sup>**

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**by**

**Japanese Standards Association**

In the event of any doubt arising,  
the original Standard in Japanese is to be final authority.

Method of qualification test for  
welding procedure

Z 3040-1995

1. Scope This Japanese Industrial Standard specifies the general test methods for preliminary verification of the suitability of the welding procedure for welding structures being welded.

Remarks: The cited standards of this Standard are indicated in Attached Table 6.

2. Definitions For the main terms used in this Standard, the definitions in JIS Z 3001 apply.

3. Classification of qualification test for welding procedure The qualification test for the welding procedure (hereafter referred to as "qualification test") shall be classified, with respect to the practically employed welding methods, based on the combination of the respective items specified in the following.

3.1 Welding methods One category of the welding method shall be individual type of welding methods given in Table 1 or their combination.

When two or more welding methods are employed, and the welding methods are used in combination under the conditions where the qualification tests have already been carried out, it may be regarded as one category.

Table 1. Classification of welding methods

Classification of welding method	Type	Classification of welding operation
A	Shielded metal arc welding	Manual
U	Submerged arc welding	Automatic
T	TIG welding	Manual, semi-automatic and automatic
M	MIG or MAG welding	Semi-automatic and automatic
F	Self-shielded arc welding	Semi-automatic and automatic
S	Other weldings, e.g., gas welding, electroslag welding, electrogas arc welding, plasma arc welding and electron beam welding each type of welding shall be one category respectively.	Manual, semi-automatic and automatic