



Re - Certification Process for Designated Occupation (Every five years) **WELDER**

All Applicants

Step One: Registration

Applicant must download an Application Form from www.dwd.bm or collect directly from the DWD.

The following documents must be submitted with the Application (**incomplete submissions will not be considered**):

- Certified copies of recently acquired Credentials /Qualifications (within the last 5 years)
- Passport or Voters Card (if expired within the last 5 years)
 - *(If Work Permit holder, a certified copy of Passport is required)*
- Updated Resume
- Pay the \$265 Fee (checks must be made payable to the Accountant General)
(waived until December 31, 2017)

Step Two: Documents are vetted

A Standards and Enforcement Officer (SEO) will vet all submitted documents to ensure completeness, competency comparison against the Standard and refer the application submission to the Occupational Advisory Committee (OAC) for evaluation.

FOR RECERTIFICATION ONLY

All applicants must participate in the following courses to satisfy the requirements to attain Re-Certification. The SEO will arrange course offerings.

- Practical Assessment against the CSA W47.1 or ASME B31.3 (see description below)

If applicant is unsuccessful in obtaining a passing grade or does not complete the mandatory coursework they will be 'deferred'. The OAC can recommend the following options:

- Applicant to conduct physical exercise on work site or Bermuda College Lab (*this will include specific area where deficiency is evident*)
- Applicant to take additional courses



GOVERNMENT OF BERMUDA
Department of Workforce Development

A certification will not be issued until these requirements are successfully completed

Step Five: Certification Decision

Once all eligibility requirements are satisfied the final steps towards receiving National Certification are as follows:

- Occupational Advisory Committee (OAC) will inspect results of the coursework and may approve application
- Based on a recommendation from the OAC the National Training Board (NTB) and Minister may approve application
- A Public Notice bearing Applicant's full name must appear in the Official Gazette
- A Congratulatory letter, ID Card and Certificate will be issued upon successful completion of the process
- A regret letter will be issued if the applicant is unsuccessful

Description of Welding requirements:

All materials including electrodes and coupons are supplied by test center

CSA W47.1

- Electrode size: E7018 – 1/8" (3.2 mm) or larger diameter
- No grinders, saw blades, files or methods that remove deposited metal or alter weld bead profile are permitted
- The test is comprised of four (4) positions: flat, horizontal, vertical and overhead
- All coupons must have a backing strip attached
- Forty-five (45) minutes is allowed per coupon



ASME B31.3

Welding Principles and Applications Seventh Edition

Larry Jeffus

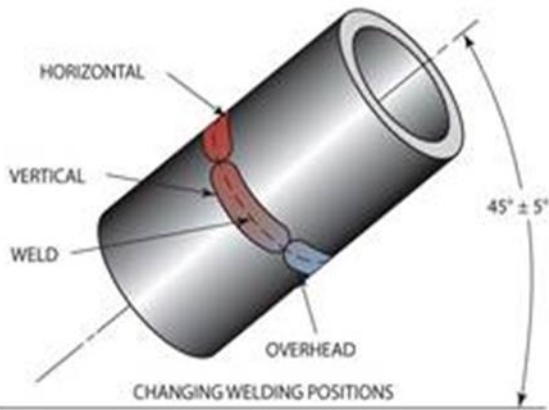


FIGURE 5-43 In the 6G position, the pipe is fixed at a 45° angle to the work surface. The effective welding angle changes as the weld progresses around the pipe.

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Welding Positions

<p>PA / 1G Weld: Flat Pipe: rotated Axis: Horizontal</p>	<p>PF / 5G Weld: Vertical upwards Pipe: Fixed Axis: Horizontal</p>	<p>PG / 5G Weld: Vertical Downwards Pipe: Fixed Axis: Horizontal</p>
<p>PC / 2G Weld: Horizontal vertical Pipe: Fixed Axis: Vertical</p>	<p>H-LO 45 / 6G Weld: Upwards Pipe: Fixed Axis: Inclined</p>	