

Test ID:

AWS ROUTING SHEET & WELDER APPLICATION: QUALIFIER'S TESTING INSTRUCTIONS (TO BE USED DURING TESTING)

The AWS Routing Sheet and Welder Application: Qualifier's Testing Instructions is a document developed in accordance with AWS QC47 requirements. It serves as a comprehensive record that captures both the welder's personal and qualification details, as well as the step-by-step routing of their performance qualification test within an Accredited Test Facility (ATF).

Submitting this document as the welder application is not acceptable. The welder application must be submitted to AWS via the online platform, WeldCert Pro. Duplicate or add additional pages as needed to ensure complete documentation of the qualification process, including each weld test when multiple plates are welded to achieve all position qualification.

Test Information				
ATF Standard Test ID #		Date Coupon was V	Velded (mm/dd/yyyy)	
AWS B2.1 SWPS Name/Ide	ntification	Alternate WPS Nan	ne/Identification	
Governing Standard/Code		Governing Standard	d/Code Edition (yyyy)	
Visual Acuity Exam(s)				
Welder Information				
Name (First, Middle, Last)		Date of Birt	t h (mm/dd/yyy)	
Mailing Address				
City	State/Province/District	Country	Zip/Postal Code	
Phone Number	Email Addres	s		
Welder Identification Ve	rification			
Photo Submitted (passport				
Identification Verification	Yes			
Identification Verification U	Jsed Driver's License	Passport	Other	
(Bassimilant landed billoto ID)	,			
Test Administration				
	ot on ATC	romato/off sitalo	vaction by ATC Ovalifier	
This is a Test Administered			ocation by ATF Qualifier	
ATF Name	ATF ID #			
Qualifier's Information				
Name	CWI #		CWI Exp Date	



Test ID:

Test Information			
Welding Process	Welding Type	Joint Type	Test Coupon Position(s)
Material			
Plate: Thickness	Pipe: Diameter	Pipe: Thickness(es)	
M/P Number to		Material Type, Grade	eto
With Backing (also applies to	o CJP welded from both sides)	Without Bac	cking (CJP welded from one side)
Filler Metal Used			
AWS Spec	AWS Class	F-No	
Diameter	Deposit Thickness #1	De	posit Thickness #2
Consumable Insert Type			
Torch Shielding Gas Type & F	l ow (if applicable)	Root Shielding Gas Ty	pe & Flow (if applicable)
AWS A5.32	Flow Rate	AWS A5.32	Flow Rate
Mode of Metal Transfer (for G	MAW)	Current	Polarity

Pretest Sequence - Qualifier Responsibilities

- 1. Verify Welder is using required PPE.
- 2. Welding Equipment and tools function as designed.
- 2.1 Verify Welding Equipment Calibration is in compliance with the ATF's Quality Manual (either per calibration program or actual measurement during welder practice session)
 - 2.2 Zero out machine
- 3. Verify proper hand tools are available.
- 4. Verify proper power tools are available and proper use (power brush allowed between passes; power grinder only for feathering tacks and weld tie-in's at starts and stops; no power tools on completed face of weld, it is presented in the as-welded condition only).
- 5. Proper Coupon available, coupon adequately cleaned, and degree of bevel verified per WPS
- 6. Base materials and consumables in accordance with ATF's material control requirements
 - 6.1 MTRs for test coupon (base materials)
 - 6.2 Certificates of Conformance/MTR (filler metals & shielding gas, as applicable)
 - 6.3 Base Materials and Consumables properly selected per the WPS
- 7. AWS CW Application and Maintenance of Certification (Renewal) Process is reviewed with the welder.



Test ID:

Duplicate the remaining sections on pages 3 and 4 for each test plate to ensure complete documentation.

Pretest Sequence - Qualifier Responsibilities

- 8. Mark test coupon with unique identification
- 9. Review WPS with Welder. Determine Additional potential hold points per WPS (e.g. check amps, volts, travel speed, back gouging, etc. and record if applicable).

I have reviewed the WPS to be used for this performance qualification test and agree that it is appropriate for its intended purpose. I have received orientation on the conduct during this qualification test. I understand that this is the first step of welder certification and that the weldments I complete today must undergo further evaluation before certification can be determined.

I understand that this performance qualification test is not complete at the end of welding. Successful completion will depend upon meeting the requirements of the governing code requirements for subsequent NDE or destructive tests. I understand the test can be terminated at any point at the discretion of the Qualifier.

Signature of Welder:
Weld Test Hold Points – Qualifier Responsibilities
Position of Test Coupon
 Allow the welder a practice session on scrap/sample material and verify the welder's chosen machine settings comply with the WPS. Verify Unique Identification is present on the Test Coupon(s). Verify fit-up of the weld joint after tacking for compliance with the WPS allowance. Have welder position the tacked coupon into the fixture. Verify proper test position of the weld joint in the fixture before welding begins. Have welder complete the root pass then clean (if needed), observe volts and amps, and perform visual inspection. Root pass visual inspection. Pass Fail VOLTS AMPS
10. Complete the test weld following the WPS (coupon remains in fixture for visual inspection)
11. Clean by brushing only (no grinding on cover passes) for presentation for final visual inspection
12. Final visual inspection Pass Fail
13. Coupon is maintained in as-welded condition for ATF evaluation
14. Other hold points as applicable:

10.27.25

I attest that I have conducted this welder performance qualification test in accordance with the requirements of the

standards listed above. This signature does not constitute welder certification.

Signature of Qualifier:



Test ID:

Destructive Testing Checklis

1. ATF Qualifier

- 1. Condition: Required markings are evident on the coupon (i.e. ID marks, processing marks)?
- 2. Examine received coupon. Are they in the as-welded condition?
- 3. Visual Inspection of Received Coupons acceptable?
- 4. Verify the specimen preparation and received materials using the governing standard; verify the materials and quantity of materials are adequate to perform the required tests. Acceptable?

2. Specimen Preparation

Follow ATF procedures for specimen preparation that address the minimum activities required as per QC47.

3. Mechanical Testing

Guided Bend Tests (as required by the governing standard) (state "not applicable" in the notes column for unused side bend types or other not used tests including radiography)

	Pass	Fail	Notes
Face 1			
Face 2			
Root 1			
Root 2			
Side 1			
Side 1 Side 2			
Side 3			
Side 4			

4. Other Tests (as required by the governing standard)

Pass	Fail	Notes		
Yes		Donort # (if o	nnliachla)	
No		neport # (ii a	pplicable)	
			Level I	LovelIII
			Level II	Level III
	Yes	Yes	Yes Report # (if a	Yes No Report # (if applicable) Level I

5. Overall Test Summary (Required)

Pass

Fail

Reason (if test failed)

I attest that I have conducted this welder performance qualification test in accordance with the appropriate requirements of the standards listed above to the best of my ability. This signature does not constitute welder certification.

I attest that the information provided in this form is complete and accurate to the best of my knowledge.

Signature of Qualifier	
•	

^{*}Reader Sheet to be retained by ATF. **Laboratory Report to be retained by ATF.



Test ID:

Duplicated. Please feel free to delete pages if not needed.

Pretest Sequence - Qualifier Responsibilities

- 8. Mark test coupon with unique identification
- 9. Review WPS with Welder. Determine Additional potential hold points per WPS (e.g. check amps, volts, travel speed, back gouging, etc. and record if applicable).

I have reviewed the WPS to be used for this performance qualification test and agree that it is appropriate for its intended purpose. I have received orientation on the conduct during this qualification test. I understand that this is the first step of welder certification and that the weldments I complete today must undergo further evaluation before certification can be determined.

I understand that this performance qualification test is not complete at the end of welding. Successful completion will depend upon meeting the requirements of the governing code requirements for subsequent NDE or destructive tests. I understand the test can be terminated at any point at the discretion of the Qualifier.

Signature of Welder: Weld Test Hold Points - Qualifier Responsibilities Position of Test Coupon _ 1. Allow the welder a practice session on scrap/sample material and verify the welder's chosen machine settings comply with the WPS. 2. Verify Unique Identification is present on the Test Coupon(s). 3. Verify fit-up of the weld joint after tacking for compliance with the WPS allowance. 4. Have welder position the tacked coupon into the fixture. 5. Verify proper test position of the weld joint in the fixture before welding begins. 6. Have welder complete the root pass then clean (if needed), observe volts and amps, and perform visual inspection. 7. Root pass visual inspection. Pass Fail VOLTS_ AMPS 8. Resume welding with periodic observation of fill passes and cleaning methods by the welder and verify technique in accordance with WPS. VOLTS AMPS OTHER 9. If multiple welding processes are used, measure deposited weld metal thickness for process #1. Then verify and record actual welding parameters for process #2. Welding Process #1: THICKNESS OF DEPOSITED WELD METAL Welding Process #2: THICKNESS OF DEPOSITED WELD METAL VOLTS **AMPS** 10. Complete the test weld following the WPS (coupon remains in fixture for visual inspection) 11. Clean by brushing only (no grinding on cover passes) for presentation for final visual inspection 12. Final visual inspection Pass 13. Coupon is maintained in as-welded condition for ATF evaluation 14. Other hold points as applicable:

I attest that I have conducted this welder performance qualification test in accordance with the requirements of the standards listed above. This signature does not constitute welder certification.

Signature of Qualifier:

10.27.25 5



Test ID:

D	estruc	ctive	Testing	Chec	klist
_			10011115		

1. ATF Qualifier

- 1. Condition: Required markings are evident on the coupon (i.e. ID marks, processing marks)?
- 2. Examine received coupon. Are they in the as-welded condition?
- 3. Visual Inspection of Received Coupons acceptable?
- 4. Verify the specimen preparation and received materials using the governing standard; verify the materials and quantity of materials are adequate to perform the required tests. Acceptable?

2. Specimen Preparation

Follow ATF procedures for specimen preparation that address the minimum activities required as per QC47.

3. Mechanical Testing

Guided Bend Tests (as required by the governing standard) (state "not applicable" in the notes column for unused side bend types or other not used tests including radiography)

	Pass	Fail	Notes
Face 1			
Face 2			
Root 1			
Root 2			
Side 1			
Side 2			
Side 3 Side 4			
Side 4			

4. Other Tests (as required by the governing standard)

	Pass	Fail	Notes		
Nick Break					
Other					
Macro-etch					
Bend Break / Fracture Test					
Radiographic Testing (in lieu of					
bends, when permitted by the					
governing standard/code)*					
Laboratory Report**	Yes		Poport # /if o	annliachla)	
Laboratory Report	No		Report # (if a	ipplicable)	
Padiagrapher Nama				Level I	Level III
Radiographer Name				Level II	
F. Overell Test Comments / Deguir	I\				

5. Overall Test Summary (Required)

Pass

Fail

Reason (if test failed)

I attest that I have conducted this welder performance qualification test in accordance with the appropriate requirements of the standards listed above to the best of my ability. This signature does not constitute welder certification.

I attest that the information provided in this form is complete and accurate to the best of my knowledge.

Signature of Qualifier	
•	

^{*}Reader Sheet to be retained by ATF. **Laboratory Report to be retained by ATF.



Test ID:

Duplicated. Please feel free to delete pages if not needed.

Pretest Sequence - Qualifier Responsibilities

- 8. Mark test coupon with unique identification
- 9. Review WPS with Welder. Determine Additional potential hold points per WPS (e.g. check amps, volts, travel speed, back gouging, etc. and record if applicable).

I have reviewed the WPS to be used for this performance qualification test and agree that it is appropriate for its intended purpose. I have received orientation on the conduct during this qualification test. I understand that this is the first step of welder certification and that the weldments I complete today must undergo further evaluation before certification can be determined.

I understand that this performance qualification test is not complete at the end of welding. Successful completion will depend upon meeting the requirements of the governing code requirements for subsequent NDE or destructive tests. I understand the test can be terminated at any point at the discretion of the Qualifier.

Signature of Welder: Weld Test Hold Points - Qualifier Responsibilities Position of Test Coupon _ 1. Allow the welder a practice session on scrap/sample material and verify the welder's chosen machine settings comply with the WPS. 2. Verify Unique Identification is present on the Test Coupon(s). 3. Verify fit-up of the weld joint after tacking for compliance with the WPS allowance. 4. Have welder position the tacked coupon into the fixture. 5. Verify proper test position of the weld joint in the fixture before welding begins. 6. Have welder complete the root pass then clean (if needed), observe volts and amps, and perform visual inspection. 7. Root pass visual inspection. Pass Fail VOLTS_ AMPS 8. Resume welding with periodic observation of fill passes and cleaning methods by the welder and verify technique in accordance with WPS. VOLTS AMPS OTHER 9. If multiple welding processes are used, measure deposited weld metal thickness for process #1. Then verify and record actual welding parameters for process #2. Welding Process #1: THICKNESS OF DEPOSITED WELD METAL Welding Process #2: THICKNESS OF DEPOSITED WELD METAL VOLTS **AMPS** 10. Complete the test weld following the WPS (coupon remains in fixture for visual inspection) 11. Clean by brushing only (no grinding on cover passes) for presentation for final visual inspection 12. Final visual inspection Pass 13. Coupon is maintained in as-welded condition for ATF evaluation 14. Other hold points as applicable:

10.27.25

I attest that I have conducted this welder performance qualification test in accordance with the requirements of the

standards listed above. This signature does not constitute welder certification.

Signature of Qualifier:



Test ID:

Destructive Testing Checklis

1. ATF Qualifier

- 1. Condition: Required markings are evident on the coupon (i.e. ID marks, processing marks)?
- 2. Examine received coupon. Are they in the as-welded condition?
- 3. Visual Inspection of Received Coupons acceptable?
- 4. Verify the specimen preparation and received materials using the governing standard; verify the materials and quantity of materials are adequate to perform the required tests. Acceptable?

2. Specimen Preparation

Follow ATF procedures for specimen preparation that address the minimum activities required as per QC47.

3. Mechanical Testing

Guided Bend Tests (as required by the governing standard) (state "not applicable" in the notes column for unused side bend types or other not used tests including radiography)

	Pass	Fail	Notes
Face 1			
Face 2			
Root 1			
Root 2			
Side 1			
Side 2			
Side 3			
Side 4			

4. Other Tests (as required by the governing standard)

Pass	Fail	Notes		
Yes No		Report # (if applicable)		
			Level II	Level III
	Yes	Yes	Yes Report # (if a	Yes No Report # (if applicable) Level I

5. Overall Test Summary (Required)

Pass

Fail

Reason (if test failed)

I attest that I have conducted this welder performance qualification test in accordance with the appropriate requirements of the standards listed above to the best of my ability. This signature does not constitute welder certification.

I attest that the information provided in this form is complete and accurate to the best of my knowledge.

Signature of Qualifier	
•	

^{*}Reader Sheet to be retained by ATF. **Laboratory Report to be retained by ATF.