FORM QW-482 SUGGESTED FORMAT FOR WELDING PROCEDURE SPECIFICATIONS (WPS) (See QW-200.1, Section IX, ASME Boiler and Pressure Vessel Code)

Organization Name	By										
Welding Procedure Specification No Date		Supporting POR No (s)									
Revision No Date		Oupporting Ferritoits/									
Date											
Welding Process(es)	Type(s)	(Automatic, Manual, Machine, or Semi-Automatic)									
IOINTE (OW 400)											
JOINTS (QW-402)		Details									
Joint Design											
Root Spacing											
Backing: Yes No											
Backing Material (Type)(Refer to both backing and retainers)											
☐ Metal ☐ Nonfusing Metal											
☐ Nonmetallic ☐ Other											
Sketches, Production Drawings, Weld Symbols, or Written Description											
should show the general arrangement of the parts to be welded. Where											
applicable, the details of weld groove may be specified.											
Sketches may be attached to illustrate joint design, weld layers, and bead											
sequence (e.g., for toughness procedures, for multiple process											
procedures, etc.)											
procedures, etc./											
*BASE METALS (QW-403)											
P-No Group No 1	to P-No	Group No									
OR		•									
Specification and type, grade, or UNS Number											
to Specification and type, grade, or UNS Number											
OR											
Chem. Analysis and Mech. Prop.											
to Chem. Analysis and Mech. Prop.											
Thickness Range:											
Base Metal: Groove	Fillet										
Maximum Pass Thickness $\leq 1/2$ in. (13 mm) (Yes)											
Other	()										
Other											
*FILLER METALS (QW-404) 1		2									
Spec. No. (SFA)		2									
AWS No. (Class)											
F-No.											
A-No.											
A-NO. Size of Filler Metals											
Filler Metal Product Form											
Supplemental Filler Metal											
Weld Metal											
Deposited Thickness:											
Groove											
Fillet											
Electrode-Flux (Class)											
Flux Type											
Flux Trade Name											
Consumable Insert											
Other											
ı											

^{*}Each base metal-filler metal combination should be specified individually.

FORM QW-482 (Back)

							WPS	No		Rev	
POSITIONS (QW-405)						POSTWELD HEAT TREATMENT (QW-407)					
						Temperature Range					
Welding	Progression	n: Up		Down		Time Range					
Position(s) of Fillet					Other						
Other											
						GAS (QW-408)					
PREHEAT (QW-406)						_		Percent Comp			
Preheat Temperature, Minimum							Gas(es) (Mixture) Flow Rate				
Interpass Temperature, Maximim					Shielding						
Preheat MaintenanceOther					TrailingBacking						
(Continuous or special heating, where applicable, should be specified)											
(continuous of openial floating, whole applicable, chedia se openious											
ELECTRICAL CHARACTERISTICS (QW-409)											
					Г						
		Filler	Metal							Other (e.g., Remarks, Com-	
				Current		Wire Feed	Energy or		Travel	ments, Hot Wire	
Weld	D	Classifi- cation	Diameter	Type and	Amps	Speed	Power	Volts	Speed	Addition, Technique, Torch Angle, etc.)	
Pass(es)	Process	Cation	Diameter	Polarity	(Range)	(Range)	(Range)	(Range)	(Range)	Torch Angle, etc.)	
									<u> </u>		
Amps	and volts, o	r power or e	nergy range,	should be sp	pecified for e	each electrod	e size, posit	ion, and thic	ckness, etc.		
Pulsing	Current					Heat Input (n	nax.)				
Tunaste	n Flectrode	Size and Tyn	e								
rangoto	11 210011040	0120 4114 196				(Pure Tun	gsten, 2% Thori	ated, etc.)			
Mode of	Metal Trans	sfer for GMA	W (FCAW) _								
						(Spray Arc	, Short-Circuitin	g Arc, etc.)			
Other											
TECHNIO	LIE (OW-410	1)									
TECHNIQUE (QW-410) String or Weave Bead											
Orifice, Nozzle, or Gas Cup Size											
Initial and Interpass Cleaning (Brushing, Grinding, etc.)											
Method of Back Gouging											
Oscillati											
			\								
	O	•									
Multiple or Single Electrodes											
	Peening										
Other											