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					
			Supporting PQR No.(s)				
Revision No Date _							
Welding Process(es)		Type(s)	(Automatic, Manual, Machine, or Semi-Automatic)				
JOINTS (QW-402)			Details				
Joint Design							
Root Spacing							
Backing: Yes No _							
Backing Material (Type)(Refer to both ba							
(Refer to both ba	acking and retainers)						
Metal Nonfusing Metal							
■Nonmetallic ■Other							
Sketches, Production Drawings, Weld Symbol	s, or Written Description						
should show the general arrangement of the p							
applicable, the details of weld groove may be s	specified.						
Sketches may be attached to illustrate joint desig	n, weld layers, and bead						
sequence (e.g., for notch toughness procedure	es, for multiple process						
procedures, etc.)]							
*BASE METALS (QW-403)							
I		to P-No	Group No.	_			
OR Specification and type/grade or UNS Number							
to Specification and type/grade or UNS Number				_			
OR	Jei			_			
to Chem. Analysis and Mech. Prop.							
Thickness Range:							
l a		Fillet					
Maximum Pass Thickness $\leq \frac{1}{2}$ in. (13 mm)	(Yes)	(No)					
Other							
*FILLER METALS (QW-404)	1		2				
Spec. No. (SFA)							
AWS No. (Class)				—			
F-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				_			
				_			

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

FORM QW-482 (Back)

							WPS	No		Rev	
POSITION	NS (QW-405)				POSTWELD HEAT TREATMENT (QW-407)					
Position(s) of Groove						Temperature Range					
Welding Progression: Up Down					Time Range						
Position(s) of Fillet					Other						
Other _											
						GAS (QW-	408)				
PREHEAT	PREHEAT (QW-406)								Percent Comp		
Preheat Temperature, Minimum						(Gas(es)	(Mixtur	e) Flow F	late	
Interpass Temperature, Maximim											
Preheat Maintenance					Shielding						
	Other(Continuous or special heating, where applicable, should be recorded)					1	Trailing Backing				
(Continu	lous or spec	iai neating, w	mere applicat	oie, snouia b	e recorded)	Backing					
						Other				 -	
ELECTRIC	CAL CHARA	CTERISTICS	(QW-409)								
		Filler	· Metal							Other (e.g., Remarks, Com-	
Weld		Classifi-		Current Type and	Amps	Wire Feed Speed	Energy or Power	Volts	Travel Speed	ments, Hot V Addition, Techr	
Pass(es)	Process	cation	Diameter	Polarity	(Range)	(Range)	(Range)	(Range)	(Range)	Torch Angle,	
Amps	and volts, o	or power or e	energy range,	should be re	ecorded for e	each electrod	e size, posit	ion, and th	ickness, etc.		
Pulsing	Current					Heat Input (n	nax.)				
Tungste	n Electrode	Size and Typ	oe								
(Pure Tungsten, 2% Thoriated, etc.)											
Mode of Metal Transfer for GMAW (FCAW)											
(Spray Arc, Short Circuiting Arc, etc.)											
Otner											
TECHNIQ	UE (QW-410	0)									
String o	r Weave Bea	ad									
Orifice,	Nozzle, or G	as Cup Size									
Initial and Interpass Cleaning (Brushing, Grinding, etc.)											
Oscillati											
			e)								
•	•	· ·	<i></i>								
-	_										
Electrode Spacing Peening											
Other _											
_											
_											