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 PQR No.(s)									
Revision No Date												
Welding Process(es)		T										
weiding 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 backing and re	tainers)											
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 la	yers, and bead											
sequence (e.g., for notch toughness procedures, for m	ultiple process											
procedures, etc.)]												
*BASE METALS (QW-403)												
P-No Group No	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:												
		Fillot										
Maximum Pass Thickness $\leq 1/2$ in. (13 mm) (1												
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)												
Electrode-Flux (Class)												
Electrode-Flux (Class) Flux Type												

*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)						
							+00)	F	ercent Comp	position		
PREHEAT (QW-406) Preheat Temperature, Minimum						(Gas(es)	(Mixture				
Interpass Temperature, Maximim							,					
Preheat Maintenance					Shielding	Shielding						
Other					Trailing							
(Continuous or special heating, where applicable, should be recorded)					-	Backing Other						
											Other	
		CTERISTICS	(0) (400)									
ELECTRIC			(010-409)									
		Filler Metal								Other		
				Current		Wire Feed	Energy or		Travel	(e.g., Remarks, Com- ments, Hot Wire		
Weld		Classifi-		Type and	Amps	Speed	Power	Volts	Speed	Addition, Technique,		
Pass(es)	Process	cation	Diameter	Polarity	(Range)	(Range)	(Range)	(Range)	(Range)	Torch Angle, etc.)		
					1					1		
Amps	and volts, o	or power or e	energy range,	should be re	ecorded for e	each electrod	e size, posit	ion, and thic	kness, etc.			
Pulsing	Current					Heat Input (n	nax.)					
Tungste	n Electrode	Size and Typ	oe									
- "							(Pure Tungsten, 2% Thoriated, etc.)					
Mode of	f Metal Tran	sfer for GMA	W (FCAW) _				, Short Circuitin	g Arc, etc.)				
Other												
Other												
TECHNIO	UE (QW-410))										
Initial ar	nd Interpass	Cleaning (Br	rushing, Grin	ding, etc.)								
Method	of Back Gou	iaina										
Contact	Tube to Wo	rk Distance _										
Multiple	or Single P	ass (Per Side	e)									
Multiple	or Single E	lectrodes										
Peening Other												
other _												
_												