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)		$T_{\rm MDO}(o)$										
		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												
Metal Nonfusing Metal												
Nonmetallic Other												
Sketches, Production Drawings, Weld Symbols, or Written Description												
should show the general arrangement of the p	arts to be welded. Where											
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)												
		to P-No	Group No									
OR												
to Specification and type/grade or UNS Numl	oer											
OR												
Chem. Analysis and Mech. Prop to Chem. Analysis and Mech. Prop												
Thickness Range:		F 10 - 1										
Maximum Pass Thickness $\leq 1/2$ in. (13 mm)												
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)								
						Percent Composition								
PREHEAT (QW-406) Preheat Temperature, Minimum						(Gas(es)	(Mixtur						
Interpass Temperature, Maximim									<u> </u>					
Preheat Maintenance					Shielding	Shielding								
Other					Trailing									
(Continu	ious or spec	ial heating, w	here applicat	ole, should be	e recorded)	Backing Other								
ELECTRIC		CTERISTICS	(O\W_409)											
LLLOTING		CIENIOTICO	(200-400)											
		1				1								
		Filler Metal								Other (e.g., Remarks, Com-				
				Current		Wire Feed	Energy or		Travel	ments, Hot Wire				
Weld Pass(es)	Process	Classifi- cation	Diameter	Type and Polarity	Amps (Range)	Speed (Range)	Power	Volts (Range)	Speed (Range)	Addition, Technique, Torch Angle, etc.)				
Fass(es)	Frocess	Cation	Diameter	Polarity	(nange)	(Range)	(Range)	(nange)	(hange)	Torch Angle, etc./				
Amos	and volte	or power or c	energy range,	should be r	acordod for (ach alactrod	a ciza nacit	ion and thic	knoss oto					
Amps			nergy range,				e size, posit		KII633, 610.					
Dulaina	Current					Heat Innut (n								
Puising	Current					Heat Input (n	nax.)							
Tungste	n Electrode	Size and Typ	e			(Pure Tun	gsten, 2% Thori	ated, etc.)						
Mada at	f Motal Tran	ofor for GMA	W (FCAW) _				, <u>_</u> ,	,,						
Mode of			(FCAVV) =				, Short Circuitin	g Arc, etc.)						
Other														
	UE (QW-410													
0														
		•	ushing, Grin											
		j (
)											
Multiple or Single Pass (Per Side)														
Multiple or Single Electrodes														
Peening														
Other														
_														