

Skill name

Welding

Criteria

Mark

A	Visual Marking	50.00
B	Pressure Test	15.00
C	Destructive testing	4.00
D	Non Destructive Testing - Radiograph	21.00
E	Assembly and Competency	10.00

Sub Criteria ID	Sub Criteria Name or Description	Aspect Type O = Obj S = Sub J = Judg	Aspect - Description	Judg Score
A1	Visual Assessment of Fillet Weld	O	Fillet weld sizes in accordance with specifications and drawings?	
		O	Fillet welds free from undercut?	
		O	Fillet weld free from arc strike?	
A2	Visual Assessment of Test Pipe	O	Butt welds free from undercut or underfill?	
		O	Butt weld joint free from excessive face reinforcement	
		O	Butt Joint weld widths uniform and regular?	
		O	Butt weld joint free from arc strike?	
		O	Butt weld joint free from excessive root concavity	
		O	Butt weld joint free from excessive root reinforcement	
A3	Visual Assessment of Test Plate 10mm	O	Butt welds free from undercut or underfill?	
		O	Butt weld joint free from excessive face reinforcement	

A4	Visual Assessment of Test Plate 16mm	<input type="radio"/>	Butt Joint weld widths uniform and regular?
		<input type="radio"/>	Butt weld joint free from arc strike?
		<input type="radio"/>	Butt weld joint free from excessive root concavity
		<input type="radio"/>	Butt weld joint free from excessive root reinforcement
		<input type="radio"/>	Butt welds free from undercut or underfill?
		<input type="radio"/>	Butt weld joint free from excessive face reinforcement
		<input type="radio"/>	Butt Joint weld widths uniform and regular?
		<input type="radio"/>	Butt weld joint free from arc strike?
A5	Pressure Vessel – Visual Assessment of Weld S	<input type="radio"/>	Butt weld joint free from excessive root concavity
		<input type="radio"/>	Butt weld joint free from excessive root reinforcement
		<input type="radio"/>	General - Surface slag, spatter and smoke has been removed from
		<input type="radio"/>	General - Vessel is free from stray arc strikes?
		<input type="radio"/>	General - Joints are free from linear misalignment?
		<input type="radio"/>	General - Tie-ins at corners are smooth and continuous to within
		<input type="radio"/>	Fillet Joints - All stop/restarts smooth on the capping layer of the
		<input type="radio"/>	Fillet joints completely fused into the parent material?
		<input type="radio"/>	Fillet joints completely free from surface porosity or inclusions?
		<input type="radio"/>	Fillet joints free from undercut?
		<input type="radio"/>	Fillet Joint weld sizes in accordance with the specifications and d
		<input type="radio"/>	Butt Joint weld widths uniform and regular?
		<input type="radio"/>	Butt Joints - All stop/restarts are smooth on the capping layer of t
		<input type="radio"/>	Butt Joint weld metal completely fused into the parent material?
		<input type="radio"/>	Butt Joint weld metal completely free from inclusions or surface p
		<input type="radio"/>	Butt Joint weld joint grooves completely filled?
		<input type="radio"/>	Butt weld joints free from excessive face reinforcement?
		<input type="radio"/>	Corner weld bead widths uniform and regular?
		<input type="radio"/>	Corner Joints - All stop/restarts smooth on the capping layer of th
		<input type="radio"/>	Corner Joint weld metal completely fused into the parent materia
		<input type="radio"/>	Corner Joint weld metal completely free from surface porosity or
		<input type="radio"/>	Corner welded joints free from undercut?
		<input type="radio"/>	Corner welds exhibit a full radius contour?

A6	Aluminium Structure - Visual Assessment of We	<input type="radio"/> Butt Joints free from undercut? <input type="radio"/> Project is free from stray arc strike <input type="radio"/> Butt weld bead widths uniform and regular? <input type="radio"/> All stop/restarts are smooth on the capping layer? <input type="radio"/> Butt weld joints free from excessive face reinforcement? <input type="radio"/> Weld metal is completely free from surface porosity or inclusions <input type="radio"/> Welded joints are free from undercut? <input type="radio"/> Fillet weld leg lengths are in accordance with the specifications? <input type="radio"/> Corner welds exhibit a full radius contour? <input type="radio"/> All fillet welds free from burn through? <input type="radio"/> Joints are free from linear misalignment <input type="radio"/> Weld joints are completely welded? <input type="radio"/> All butt and corner joints display penetration/root fusion? <input type="radio"/> Welded joints are free from excessive penetration? <input type="radio"/> Weld penetration completely free from excessive root concavity c
A7	Stainless Steel Structure - Visual Assessment of	<input type="radio"/> Project is free from stray arc strikes? <input type="radio"/> Butt weld bead widths are uniform and regular? <input type="radio"/> All stop/restarts are smooth on the capping layer? <input type="radio"/> Weld metal is completely free from surface porosity or inclusions <input type="radio"/> Welded joints are free from undercut? <input type="radio"/> Butt weld joint is free from excessive face reinforcement? <input type="radio"/> Fillet weld leg lengths are in accordance with the specifications?

		<div><div><div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div><div><</div></div></div></div>
--	--	---

Sub Criteria ID	Sub Criteria Name or Description	Aspect Type O = Obj S = Sub J = Judg	Aspect - Description	Judg Score
C1	Visual Assessment of Fillet Weld Break Test	<input type="radio"/> O <input type="radio"/> O <input type="radio"/> O	The fillet weld is completely fused at the root of the joint? The fillet weld is completely fused between individual runs? The fractured fillet welds are free from porosity and inclusion?	
Sub Criteria ID	Sub Criteria Name or Description	Aspect Type O = Obj S = Sub J = Judg	Aspect - Description	Judg Score
D1	Non Destructive (X-Ray) Test – Pipe Coupon	<input type="radio"/> O <input type="radio"/> O <input type="radio"/> O <input type="radio"/> O	ISO 5817 - Quality level of imperfections - Class D? ISO 5817 - Quality level of imperfections - Class C? ISO 5817 - Quality level of imperfections - Class B? Class A?	
D2	Non Destructive (X-Ray) Test – 10mm Plate Cou	<input type="radio"/> O <input type="radio"/> O <input type="radio"/> O <input type="radio"/> O	ISO 5817 - Quality level of imperfections - Class D? ISO 5817 - Quality level of imperfections - Class C? ISO 5817 - Quality level of imperfections - Class B? Class A?	
D3	Non Destructive (X-Ray) Test – 16mm Plate Cou	<input type="radio"/> O <input type="radio"/> O <input type="radio"/> O <input type="radio"/> O	ISO 5817 - Quality level of imperfections - Class D? ISO 5817 - Quality level of imperfections - Class C? ISO 5817 - Quality level of imperfections - Class B? Class A?	

Sub Criteria ID	Sub Criteria Name or Description	Aspect Type O = Obj S = Sub J = Judg	Aspect - Description	Judg Score
E1	Assembly and Competency Interpretation – A1	O	Competitor conducted the hold point on the root run?	
E2	Assembly and Competency Interpretation – A2	O	Completed Fillet Joint free from grinding or other metal removal on the	
E3	Assembly and Competency Interpretation – A3	O	Completed coupon free from grinding or other metal removal on the	
E4	Assembly and Competency Interpretation – A4	O	Completed coupon free from grinding or other metal removal on the	
E5	Assembly and Competency Interpretation – A5	O	Competitor conducted the hold point for the final (cap) run on the	
		O	Final (cap) run stop on the 16mm test plate in the correct position	
		O	Completed coupon free from grinding or other metal removal on the	
		O	The pressure vessel free from internal tacks?	
		O	The external tacks within the sized allowed?	
		O	The Pressure Vessel was assembled correctly and completely be	
		O	Completed vessel free from grinding or other metal removal on the	
		O	External tacks within the sized allowed?	
		O	Aluminium Structure assembled correctly?	
		O	Completed Structure free from brushing, grinding or other weld c	
		O	External tacks within the sized allowed?	
		O	Stainless Steel Structure assembled correctly?	
		O	Completed Structure free from brushing, grinding or other weld c	
		O	Were all of the projects completed within the 18 hours?	

Extra Aspect Description (Obj or Subj) OR Judgement Score Description (Judg only)	Requirement or Nominal Size (Obj Only)	WSSS Section	Max Mark
(-0/+2mm) 0.5 mm maximum depth allowed.	yes/no	1	1.40
	yes/no	4	0.50
	yes/no	4	0.50
Undercut - 0.5 mm maximum depth allowed. Underfill - 0 mm Allow 2.5 mm or less, and 1.5 mm variation in height Allow 2 mm variation in width	yes/no	4	0.40
	yes/no	4	0.40
	yes/no	4	0.30
	yes/no	4	0.30
Allow 0.5mm maximum. Zero mark if 100% penetration is not allowed Allow 2 mm maximum. Zero mark if 100% penetration is not allowed	yes/no	4	0.40
	yes/no	4	0.40
Undercut - 0.5 mm maximum depth allowed. Underfill - 0 mm Allow 2.5 mm or less, and 1.5 mm variation in height	yes/no	4	0.40
	yes/no	4	0.40

Criterion
A

Total
Mark 50.00

Allow 2 mm variation in width	yes/no	4	0.30
	yes/no	4	0.30
Allow 0.5mm maximum. Zero mark if 100% penetration is	yes/no	4	0.40
Allow 2 mm maximum. Zero mark if 100% penetration is	yes/no	4	0.40
Undercut - 0.5 mm maximum depth allowed. Underfill - 0	yes/no	4	0.40
Allow 2.5 mm or less, and 1.5 mm variation in height	yes/no	4	0.40
Allow 2 mm variation in width	yes/no	4	0.30
	yes/no	4	0.30
Allow 0.5mm maximum. Zero mark if 100% penetration is	yes/no	4	0.40
Allow 2 mm maximum. Zero mark if 100% penetration is	yes/no	4	0.40
	yes/no	1	1.00
One defect = 0.7 marks, 2 defects = 0.4 marks, 3 or more Defects =		4	1.00
1 visible arc strike = 1 defect			
Allow 1mm maximum	yes/no	2	0.80
Allow 2 mm variation in height and width between runs	Defects =	4	1.00
1 tie - in not smooth = 1 defect			
Allow 1.5 mm variation between stop/start	yes/no	4	1.00
No overlap/cold lap	yes/no	3	1.00
One defect = 0.7 marks, 2 defects = 0.4 marks, 3 or more Defects =		4	1.00
-1 visible pore or inclusion = 1 defect			
Disregard depth of 0.5mm or less.	yes/no	4	1.00
(-0 / +2 mm). One defect = 1.5 marks, 2 defects =1.0 mark Defects =		1	2.00
Less than or equal to 25mmL = 1 defect (accumulative)			
Allow 2 mm variation in width	yes/no	4	0.80
Allow 1.5 mm variation between stop/start	yes/no	4	0.80
No overlap/cold lap	yes/no	3	0.80
One defect = 0.7 marks, 2 defects = 0.4 marks, 3 or more Defects =		4	1.00
-1 visible pore or inclusion = 1 defect			
	yes/no	1	0.80
Greater than 2.5 mm.	yes/no	4	0.80
Allow 2 mm variation in width	yes/no	4	0.80
Allow 1.5 mm variation in height between stop/start	yes/no	4	0.80
No overlap/cold lap	yes/no	4	0.80
One defect = 0.7 marks, 2 defects = 0.4 marks, 3 or more Defects =		4	1.00
-1 visible pore or inclusion = 1 defect			
Disregard depth of 0.5mm or less	yes/no	4	0.80
(-1mm/+1.0mm). Less than or equal to 25mmL = 1 defect Defects =		1	1.00

One defect = 0.7 marks, 2 defects = 0.4 marks, 3 or more defects = 0.2 marks			
Disregard depth of 0.5mm or less	yes/no	4	1.00
One defect = 0.4 marks, 2 defects = 0.2 marks, 3 or more defects = 0.1 marks	Defects =	4	0.60
Allow 1.5 mm variation in width. Each weld outside the variation = 1 defect	Defects =	4	0.60
One defect = 0.4 marks, 2 defects = 0.2 marks, 3 or more defects = 0.1 marks			
Allow 1 mm variation between stop/start	yes/no	1	0.60
Greater than 1.5 mm. Less than or equal to 10mmL = 1 defect	Defects =	4	0.60
One defect = 0.4 marks, 2 defects = 0.2 marks, 3 or more defects = 0.1 marks			
- 1 visible pore = 1 defect	Defects =	4	0.60
One defect = 0.4 marks, 2 defects = 0.2 marks, 3 or more defects = 0.1 marks			
Disregard depth of 0.5mm or less	yes/no	4	0.50
(-0 /+2.0 mm). Less than or equal to 10mmL = 1 defect (accumulative)	Defects =	1	0.80
One defect = 0.6 marks, 2 defects = 0.4 marks, 3 or more defects = 0.2 marks			
(-1.0mm/+1.0mm). Less than or equal to 10mmL = 1 defect (accumulative)	Defects =	1	0.60
One defect = 0.4 marks, 2 defects = 0.2 marks, 3 or more defects = 0.1 marks			
- less than or equal to 10mmL = 1 defect (accumulative)	Defects =	3	0.50
One defect = 0.4 marks, 2 defects = 0.2 marks, 3 or more defects = 0.1 marks			
Allow 1mm variation	yes/no	2	0.50
Fully formed bead may not terminate greater than or equal to 10mmL = 1 defect	yes/no	4	0.50
100% = 2.0 marks, >or=90% = 1.5 marks, >or=75% = 1.0 marks, >or=50% = 0.4 marks, <50% = 0 marks	% Penetration =	3	2.00
Greater than 3 mm. Zero mark if the total amount of penetration is less than or equal to 10mmL = 1 defect (accumulative)	Defects =	4	0.80
One defect = 0.6 marks, 2 defects = 0.3 marks, 3 or more defects = 0.1 marks			
Allow depth of 0.5 mm or less. Zero mark if the total amount of penetration is less than or equal to 10mmL = 1 defect (accumulative)	Defects =	4	0.80
One defect = 0.6 marks, 2 defects = 0.3 marks, 3 or more defects = 0.1 marks			
One defect = 0.3 marks, 2 defects = 0.2 marks, 3 or more defects = 0.1 marks	Defects =	4	0.50
Allow 1.5 mm variation. Each weld outside the variation = 1 defect	Defects =	4	0.50
One defect = 0.3 marks, 2 defects = 0.2 marks, 3 or more defects = 0.1 marks			
Allow 1mm variation between stop/start	yes/no	1	0.50
- 1 visible pore/inclusion = 1 defect	Defects =	4	0.50
One defect = 0.3 marks, 2 defects = 0.2 marks, 3 or more defects = 0.1 marks			
Disregard depth of 0.5mm or less	yes/no	4	0.50
Greater than 1.5 mm. Less than or equal to 10mmL = 1 defect	Defects =	4	0.60
One defect = 0.4 marks, 2 defects = 0.2 marks, 3 or more defects = 0.1 marks			
(-0 /+1.0 mm). Less than or equal to 10mmL = 1 defect (accumulative)	Defects =	1	0.60

One defect = 0.4 marks, 2 defects = 0.2 marks, 3 or more (-1.0mm/+1.0mm). Less than or equal to 10mmL = 1 defect	Defects =	1	0.60
One defect = 0.4 marks, 2 defects = 0.2 marks, 3 or more - less than or equal to 10mmL = 1 defect (accumulative)	Defects =	4	0.60
One defect = 0.4 marks, 2 defects = 0.2 marks, 3 or more Fully formed bead may not terminate greater than or equal to 10mmL = 1 defect (accumulative)	yes/no	4	0.50
100% = 2.0 marks, >or=90% = 1.5 marks, >or=75% = 1.0 mark, >or=50% = 0.4 marks, <50% = 0 marks	% Penetration =	3	2.00
Greater than 2.5 mm. Zero mark if the total amount of penetration is less than or equal to 10mmL = 1 defect (accumulative)	Defects =	4	0.70
One defect = 0.5 marks, 2 defects = 0.3 marks, 3 or more Allow depth of 0.5 mm or less. Zero mark if the total amount of penetration is less than or equal to 10mmL = 1 defect (accumulative)	Defects =	4	0.70
One defect = 0.5 marks, 2 defects = 0.3 marks, 3 or more Allow 1 mm variation	yes/no	2	0.50
Zero mark if the total amount of penetration is less than 75% of nominal size	Defects =	3	0.70
One defect = 0.5 marks, 2 defects = 0.3 marks, 3 or more			
Extra Aspect Description (Obj or Subj) OR Judgement Score Description (Judg only)	Requirement or Nominal Size (Obj Only)	WSSS Section	Max Mark
Vessel presented for pressure test	yes/no	3	1.00
No leaks observed at 10 Bar	yes/no	1	2.00
No leaks observed at 20 Bar	yes/no	1	2.00
No leaks observed at 30 Bar	yes/no	4	2.00
No leaks observed at 40 Bar	yes/no	4	2.00
No leaks observed at 50 Bar	yes/no	4	2.00
No leaks observed at 60 Bar	yes/no	4	2.00
No leaks observed at 69 Bar	yes/no	4	2.00

Criterion B Total Mark 15.00

Extra Aspect Description (Obj or Subj) OR Judgement Score Description (Judg only)	Requirement or Nominal Size (Obj Only)	WSSS Section	Max Mark
One defect 2.5 mm or less = 0.50 marks Two defects 2.5 mm or less = 0.25 marks 3 or more defects = 0 mark	yes/no yes/no Defects =	2 4 4	1.50 1.50 1.00
Extra Aspect Description (Obj or Subj) OR Judgement Score Description (Judg only)	Requirement or Nominal Size (Obj Only)	WSSS Section	Max Mark
Class D = 1 mark Class C= 2 marks Class B= 2 marks Class A= 2 marks. *Class A represents "No recordable in	Yes/no Yes/no Yes/no Yes/no	2 4 4 4	1.00 2.00 2.00 2.00
Class D= 1 mark Class C= 2 marks Class B= 2 marks Class A= 2 marks. *Class A represents "No recordable in	Yes/no Yes/no Yes/no Yes/no	2 4 4 4	1.00 2.00 2.00 2.00
Class D = 1 mark Class C= 2 marks Class B= 2 marks Class A= 2 marks. *Class A represents "No recordable in	Yes/no Yes/no Yes/no Yes/no	2 4 4 4	1.00 2.00 2.00 2.00

Criterion C Total Mark 4.00

Criterion D Total Mark 21.00

Extra Aspect Description (Obj or Subj) OR Judgement Score Description (Judg only)	Requirement or Nominal Size (Obj Only)	WSSS Section	Max Mark
	Yes/no	1	0.50
	Yes/no	1	0.25
	Yes/no	1	0.25
	Yes/no	1	0.25
	Yes/no	1	0.35
	Yes/no	1	0.35
	Yes/no	1	0.30
	Yes/no	1	0.25
	Yes/no	1	0.25
	Yes/no	1	1.25
	Yes/no	1	0.50
	Yes/no	1	0.25
	Yes/no	1	1.25
	Yes/no	1	0.25
	Yes/no	1	0.25
	Yes/no	1	1.25
	Yes/no	1	0.25
	Yes/no	3	2.00

Criterion E Total Mark 10.00

Competition Total Mark 100.00