

Harbour Energy Temporary Equipment Inspection and Certification Requirement Guidelines

Temporary Equipment	QC Inspection Requirements													Certification Requirements																																	
	Documentation Review	Physical Inspection of Utility plugs/connections	Factory Acceptance/Function Test	Issue Inspection Release Cert/COTE Sheet C	Visual Inspection						Final Inspection	Issue Rig C Sheet		None to be supplied	Material Certificate	Cable Test Certificate	PUWER Checklist	PAT Certificate	Pressure Test Cert (includes Hose and PSVs)	Functional/Performance Test Report	Diesel Engine to BS EN 1834-1	FHA Records/Hose Register	Torque Graphs	Calibration Certificate	BASEEFA/SIRA Certificate	PED Declaration of Conformity	Noise Reduction Report (to SP-SEQ-182)	ATEX DOC/Zone Rating Cert	Lifting Equipment Proof Test Cert	Certificate of Test of Wire Rope	Thorough Examination Cert	Load Test Cert	Flange Management Records	UKCA/CE Markings	Certificate of Conformity/COC by Certified Authority (CA)	Inspection Release Cert/3 rd party IRC/Certifying Authority IRC	Equipment Datasheet	COSHH/Safety Datasheet	Punch List Items	Threading Certificate	Small Bore Tubing Records						
					General Condition of Equipment	Joint Make-up, incl. visible gaskets	Flexible Hose Assemblies	Condition of Flang Face s	Pipe Supports/SBT Clamps	Packaging/suitability for Shipment																																					
General Temporary Equipment																																															
Electric motor-driven pump skids	X	X	X	X	X	X			X	X	X					X			X				U	X			X	X	X	X	X		X	COC		X											
Torquing and tensioning equipment	X	X	X	X	X						X					X		X	X				M											COC		X											
Temporary workshops/containers and stores with electrical connections	X	X	X	X	X						X	X				X	X		X					X			X	X	X	X	X		X	COC	X												
Temporary accommodation/and or personnel worksite decontamination facilities	X	X	X	X	X						X	X				X	x		X					X			X	X	X	X	X		X	COC		X											
Welding arc-gen generators	X	X	X	X	X							X				X	X			X			M	X			X						X	COC		X											
Chemical injection units	X	X	X	X	X		X		X	X	X					X		X	X								X						X	COC		X											
Air Driven Pump Skids	X	X	X	X	X		X		X	X	X					X		X	X								X						X	COC		X											
Air receivers	X	X	X	X	X						X	X				X		X	X							X		X	X	X	X		X	COC		X											
Pumps – gas booster, grease/hydraulic, air/pressure, torque	X	X	X	X	X							X				X		X	X				M										X	COC		X											
Paint pump units	X	X	X	X	X						X					X		X															X	COC													
High pressure jetting equipment	X	X	X	X	X	X	X		X	X	X				X	X		X	X				M	X			X	X	X	X	X	X		X	COC	X	X										
Winches/Rope spoolers	X	X	X	X	X	X			X		X					X		X	X									X	X	X	X	X		X	COC	X											
Control cabins – temporary, e.g. directional drilling, wireline, coiled tubing	X	X	X	X	X						X	X				X		X						X			X	X	X	X	X		X	COC	X	X											
Flaring Machine	X	X	X	X	X						X					X			X														X	COC	X	X											
Temporary diesel engines	X	X	X	X	X	X	X		X	X	X				X	X		X	X					X	X		X	X	X	X	X		X	COC	X	X											
Temporary portable generators including steam	X	X	X	X	X	X	X		X	X	X				X	X		X	X					X	X		X	X	X	X	X		X	COC	X	X											
Temporary offices	X	X	X	X	X						X	X				X			X								X	X	X	X	X			COC	X	X											

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Transportation container (if used for storage for more than one month)	X	X	X	X	X					X	X							X										X	X	X	X		X								
Temporary air compressors/driers	X	X	X	X	X	X	X		X	X	X					X		X							X		X	X	X	X		X	COC								
Air manifold for compressor/manifolds	X	X	X	X	X					X	X					X		X	X													X	COC		X						
Rigging lofts	X	X	X	X	X					X	X				X	X			X					X			X	X	X	X		X	COC		X						
440V MDU/Transformers	X	X	X	X	X						X				X	X			X					X			X							COC		X					
Heaters	X	X	X	X	X						X				X	X			X					X			X							COC		X					
Nitrogen Tanks	X	X	X	X	X					X	X					X						M		X			X	X	X	X		X	COC	X							
Liquid Nitrogen Packages	X	X	X	X	X		X			X	X					X		X	X	X			M		X		X	X	X	X		X	COC	X	X						
Nitrogen Converters	X	X	X	X	X	X	X		X	X	X				X	X		X	X	X			M	X	X		X	X	X	X	X		X	COC	X	X					
Air Hoists	X	X	X	X	X						X					X											X			X	X		X	COC	X	X					
Steam Cleaners/Hot Wash Units	X	X	X	X	X	X	X		X	X	X				X	X		X	X				M	X			X	X	X	X	X		X	COC	X	X					
Gas Detection Units	X	X	X	X	X						X					X			X								X						X	COC	X	X					
Temporary control cabins, e.g. directional drilling, wireline winch units and power packs, wireline masts, coiled tubing spreads, well test spreads and associated equipment	X	X	X	X	X	X	X		X	X	X				X	X		X	X	X			M	X	X		X	X	X	X	X		X	COC	X	X					
Flange Face Machines	X	X	X	X	X						X					X		X	X								X						X	COC							
Master Prover	X	X	X	X	X	X	X	X	X	X	X					X		X	X				M				X	X	X	X	X	X	X	COC	X	X					X
Promix Mixing Bench	X	X	X	X	X	X			X	X	X					X		X	X				M									X	X	COC	X	X					X
Wells-Specific Temporary Equipment				X			X																														X				
Coiled tubing spreads	X	X	X	X	X	X	X	X		X	X	X				X	X	X		X	X		M				X	X	X	X	X		X	COC	CA	X	X				
Well test packages	X	X	X	X	X	X	X	X		X	X	X				X	X	X		X	X		M				X	X	X	X	X		X	COC	CA	X	X				
Diesel-driven units Zone 1 Zone 2	X	X	X	X	X					X	X	X				X		X		X	X		M				X	X	X	X			X	COC	CA	X	X				
Diesel Driven Units Safe Area Only	X	X	X	X	X					X	X	X				X		X		X	X		M				X	X	X	X			X	COC		X	X				
Lower riser package emergency disconnect package tension joints	X		X		X	X			X	X	X						X										X	X	X		X	X	COC	CA	X	X				X	
Wellheads and valves	X		X		X					X	X	X						X															COC	CA							

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Surface trees	X		X		X					X	X	X						X																										
Dual-bore/High Pressure risers	X		X		X					X	X	X						X																										
Wireline packages	X	X	X	X	X	X	X	X	X	X	X	X				X	X	X		X	X		M				X	X	X	X	X	X	X	X										
Lifting and handling equipment (Rig C Sheets only)	X				X					X	X	X										X					X	X	X	X	X										X			
Riser pulling equipment (Rig C Sheets only)	X				X					X	X	X										X					X	X	X	X	X										X			
Well control panels and BOP panels	X	X	X		X		X			X	X	X				X		X		X		M					X	X	X	X				X	COC		X							
Diesel Power packs Zone 1 Zone 2	X	X	X	X	X	X				X	X	X				X		X		X	X		M				X	X	X	X				X	COC	CA	X	X						
Diesel Power Pack Safe Area	X	X	X	X	X	X				X	X	X				X		X		X	X		M				X	X	X	X				X	COC		X	X						
Electrical Power Pack Zone 1 Zone 2	X	X	X	X	X	X				X	X	X				X		X					M				X	X	X	X				X	COC	CA	X	X						
Electrical Power Pack Safe Area	X	X	X	X	X	X				X	X	X				X		X					M				X	X	X	X				X	COC		X	X						
Chiksan packages (refer to Note)	X		X		X					X	X	X																						X	COC	CA								
A60 cabins	X	X	X		X					X	X	X				X						M	X				X	X	X	X				X	COC	CA	X	X						
Riser adaptors/spools	X		X	X	X	X				X	X	X						X																										
Diesel Pumps/compressors/ generators Zone 1 Zone 2	X	X	X	X	X	X			X	X	X	X				X		X		X	X		M				X		X	X		X	X											
Diesel Pumps/compressors/ generators Safe Area	X	X	X	X	X	X			X	X	X	X				X		X		X	X		M				X		X	X		X	X											
Electrical Pumps/ compressors/generators Zone 1 Zone 2	X	X	X	X	X	X			X	X	X	X				X		X				M					X		X	X		X	X											
Electrical Pumps/ compressors/generators Safe Area	X	X	X	X	X	X			X	X	X	X				X		X			X		M				X		X	X		X	X											
Oil country tubular goods/ Tubulars/Casing conductors	X		X	X	X					X	X	X			3.1 3.2																										X			
Mud motors/geopilot tools	X		X		X					X	X	X			3.1																										X			
Bottomhole assembly/measurement while drilling/logging while drilling	x		X		X					X	X	X			3.1																										X			
Handling equipment	X				X					X	X	X			3.1 3.2																										X			
Drillpipe/collars/heavy-weight drillpipe Tri Spiral	X				X					X	X	X			3.1																										X			
Rig cooling equipment	X		X		X					X	X	X				X	X	X									X		X	X														

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ROV Equipment	X		X	X	X					X	X	X				X	X										X	X	X	X			X	COC		X	X								
Liner Assembly's	X		X		X					X	X	X			3.1			X				X											COC						X						
Logging tools	X		X		X					X	X	X																					COC		X				X						
Completion Assembly's	X		X		X					X	X	X			3.1 3.2			X				X																		X					
Vacuum/free-flow equipment	X		X		X					X	X	X			3.1 3.2			X								X	X	X	X				X	COC						X					
Drill bits	X		X		X					X	X	X			3.1																			COC						X					
Crossovers/spiro torq	X				X					X	X	X			3.1																									X					
Cargo carrying units/tanks, etc.	X				X					X	X	X															X	X	X				X												
N2 Gas Quads (Applies to Wells Equipment only)	X			X	X					X	X	X															X	X	X				X	COC				X							
Wellbore clean-up packages	X				X					X	X	X			3.1																				COC						X				
Fishing tools	X				X					X	X	X			3.1																				COC	CA					X				
Cement heads/Swivels	X		X		X					X	X	X			3.1			X				X							X						COC						X				
Jars/accelerators	X		X		X					X	X	X			3.1							X																				X			
Temporary well control fluids processing equipment, e.g. blenders, batch mixing tanks	X	X	X		X					X	X	X				X		X	X				X			X		X	X				X	COC	X	X	X								
Tubing/casing make up and running equipment	X		X		X					X	X	X						x	x			x													COC						X				
Tubing/casing make up and running equipment	X		X		X					X	X	X						x	x			x													COC						X				
Temporary logging units	X	X	X	X	X					X	X	X				X		X					M				X	X	X	X				X	X	X	X								