Valves

Note 1	Gas testing required for gas line service valves
Note 2	PSL inspection and test requirements to be defined for API6A Valves
Note 3	Decision on BS EN 10204 3.2 certification to be made on a case by case basis based on design requirements
Note 4	Verfication body invovlement with test and release to be made on a case by case basis based on design requirements

PRODUCT QUALITY CODE (PQC) LIST

Inspection and Criticality		Subsea Isolation Valves (SSIVs) Notes 3 & 4	Topsides Riser/ESD Valves (Pipelines) Notes 3 & 4	High Pressure Integrity System Valves (HIPS) Note 3 & 4	Subsea Valves: Actuated Notes 3 & 4	Subsea Valves: Manual Notes 3 & 4	Others (pig launcher/ receiver, pipeline)	Actuated Valves (Pneumatic) Projects	Actuated Valves (Hydraulic) Projects	Actuated Valves (Electric) Projects	Actuated Valves (Pneumatic)	Actuated Valves (Hydraulic)	Actuated Valves (Electric)	Manual Block Valves (Firesafe Certified)	Manual Block Valves (Firesafe by Design/non-Firesafe)	Choke Valves (Welded Body)	Choke Valves (Single Piece/non-Welded Body)	Control Valves (FCV/LCV/PCV/TCV)	Pressure Safety Valves (PSV/PRV/TSV)	Deluge/ Diaphragm Valves (Inbal)	Actuators (Pneumatic)	Actuators (Hydraulic)	Actuators (Electric)	Accumulators	Gearboxes	Valve Trim Sets (Metallic)	Soft Goods	Instrumentation & Control (Electrical) - Solenoid Valve, Switchbox, Positioner	Instrumentation & Control (non-Electrical) - Filter/Reg., QEV, NRV, FCV, P/I/I	Valve Parts and Accessories
QSL 1	SDRL, ITP, multiple Vendor Inspection visits and Inspection Release Note required	1	1	1	1	1	1																							
QSL 2	ITP, multiple Vendor Inspection visits and Inspection Release Note (IRN) required							2	2	2																				
QSL 3	Inspection Release Note (IRN) issued by BUYER/ Apache QA/QC or an Appointed Vendor Inspection Body.																													
QSL 4	Receipt Inspection required at Apache Warehouse/ASCO Peterhead										4	4	4	4	4	4	4	4	4	4	4	4	4	4		4		4		
QSL 5	No Inspection Required																								5		5		5	5
Certification and Documentation	SELLER Shall Supply:																													
A00	No Certification or Documentation required																													
A01	Supplier Document Register (SDR)	X	X	X	X	X										X	X													
A02	Production Schedule	X	X	X	X	X										X	X													
A04	Sub Vendor List	X	X	X	X	X																								
B01	General Arrangement Drawings	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
B07	Valve Topworks Drawing							X	X	X	X	X	X																	
C08	Equipment Datasheet	X	X	X	X	X										X	X	X	X									X	X	
C09	Instrument Data Sheet																													
E02	Instrument/Electrical Panel Detail Drawing c/w Bill of Materials	X	X	X	X	X		X	X		X	X				X	X													
E11	Instrument/Electrical Layout Drawings c/w Bill of Materials																													
F03	Non-actuated Valve Torque/Thrust Calculations																													
F25	Actuated Valve Torque/Thrust Calculations	X	X	X	X	X		X	X	X	X	X	X			X	X													
G03	Packing, Handling and Shipping Procedure																													
G04	COSHH Data Sheet																													
G05	Elastomer Cure Date/Certificate (no less than 75% of shelf life remaining)																										X			
H02	Quality Plan	X	X	X	X	X										X	X													
H06	Weld Procedure Specification (WPS) and Qualification (WPQ) Records	X	X	X	X	X										X														
H07	Non-destructive Examination Procedure (NDE)																													
H08	Heat Treatment Procedure (Including PWHT)																													
H09	Hydrostatic / Flushing / Pneumatic Test Procedure																													
H10	Performance/ Acceptance Test Procedure-FAT, SAT and/or UAT																													
H15	Inspection and Test Plan (ITP)	X	X	X	X	X										X	X													
H16	Rotor/ Shaft Balance test procedure																													
J01	Installation, Operations and Maintenance Manual including full parts list	X	X	X	X	X										X	X	X	X					X						
K01	Certification Record Book																													
K02	ATEX/IEC Hazardous Area Certification, Schedule, and Ingress Protection	X	X	X	X	X		X	X	X	X	X	X			X	X	X					X					X		
K03	Performance/Function Test Report	X	X	X	X	X		X	X	X	X	X	X			X	X	X	X				X		X					
K04	Acceptance Test Reports - FAT, SAT and/or UAT																													
K07	CE Declaration of Conformity (PED)	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X											
K08	Weight Report / Certificate																													
K09	Load Test Results																													
K10	Certificate of Conformity (BS EN 10204 - 2.1 Material Certificate)																				X	X	X	X	X		X	X	X	X
K11	BS EN 10204 - 2.2 Material Certificate																													
K12	BS EN 10204 - 3.1 Material Certificate	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X						X				
K13	BS EN 10204 - 3.2 Material Certificate																													
K99	Miscellaneous Certification																													
L02	Welder Performance Qualifications																													
L03	Non-Destructive Examination Operator Qualifications																													
L04	Production Test Results (Including Welding)																													
L05	Non-Destructive Examination Records	X	X	X	X	X										X										X				
L06	Heat Treatment Records	X	X	X	X	X										X														
L07	Material Traceability Records																													
L08	Name Plate/ CE Mark Rubbing/ Photographs																													
L09	Pressure Test Certificate with Charts (hydrostatic or pneumatic)	X	X	X	X	X																								
L42	Pressure Test Certificate without Charts (hydrostatic or pneumatic)							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X						
L10	Instrument Test and Calibration Certificates	X	X	X	X	X										X	X													
L11	Dimensional Report																													
L12	Lifting Equipment Test Certificates																													
L13	Vessel/ Exchanger Code Data Reports																													
L14	Electrical Machinery Type Tests																													
L19	Purchaser Release Note/Waivers																													
L20	Verification Body/Independent Competent Person(s) Release Note																													
L21	Coating or Paint Report/Certificate	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
L23	Fire Test Report / Certificates							X	X	X	X	X	X	X																
L25	Site Survey Report																													
L26	Valve Seat Sealing and Valve Pressure Test Records																													
L27	Earth Continuity Test Records																													
L28	Type Approval Certificate																													
L29	Verification that supplied software is fully proven, tested and legitimately registered.																													
L30	NACE Certification	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X							X				
L31	Positive Material Identification (PMI)	X	X	X	X	X										X	X													
L38	Inspection Release Note(s)																													
L39	Cable Test Certificate																													
L40	Gas Analysis Certificate																													
L41	Repair Report/Warranty/Recertification Documentation																													
L43	Functional Certificate for Safety Relief Valves																		X											
L44	Rotor/ Shaft Balance test results																													
M01	Shipping And Packing Documents																													
M02	Hazardous Material Shipping Certificates																													

Rotating Equipment-Assemblies

Note 1 This Rotating Equipment Quality Code List applies to equipment repairs/overhauls only. All new equipment or modifications require a SDRL to be drafted by a competent discipline engineer and authorised by the relevant TA.

Note 2 Electrical Comment: LV Motors will be repaired at an authorised repairer and a report provided for review by the discipline engineer / TA. HV motors and all generators will require an SDRL to be completed by the discipline engineer with input from other departments. Output from this will decide what paperwork and testing is to be provided but a Repair Report/Warranty/Recertification Document would be a minimum output from this.

PRODUCT QUALITY CODE (PQC) LIST

Inspection and Criticality		Centrifugal Gas Compressors	Aero Derivative Gas Turbines	Light Industrial Gas Turbines	Heavy Industrial Gas Turbines	Diesel Engines	Gearboxes (> 500kW)	Gearboxes (<500kW)	Firewater Pumps (Electrical Submersible Pumps - ESP)	Firewater Pumps (Vertical Line Shaft - VS1)	Firewater Pumps (Split Casing - BS8-TBA)	Firewater Jockey Pumps (TBA)	Seawater Lift Pumps (Electric Submersible Pumps - ESP)	Seawater Injection Pumps (Multi-stage Centrifugal Pump, HPCP, BB3)	Seawater Injection Booster Pumps (OH1 - 6)	PWRI Pumps (HPCP)	Main Oil Line Pumps	Main Oil Booster Pumps	Condensate Pumps	Re-claimed Oil Pumps	Ballast Water Pumps	General Pumps (>50kW)	General/Auxillary Pumps (<50kW & Air Driven)	Air Compressor Package	Electrical Motors (HV>150kW) AC	Electrical Motors (LV <150kW)	Electrical Motors (LV<150kW) AC	Electrical Motors (LV>150kW) AC	Electrical Motors (LV<150kW) DC	Electrical Generators (<1MW)	Electrical Generators (>1MW)
QSL 1	SDRL, ITP, multiple Vendor Inspection visits and Inspection Release Note required																														
QSL 2	ITP, multiple Vendor Inspection visits and Inspection Release Note (IRN) required	2	2	2	2		2		2	2	2	2		2		2	2								2						2
QSL 3	Inspection Release Note (IRN) issued by BUYER/ Apache QA/QC or an Appointed Vendor Inspection Body.					3							3		3			3	3	3	3	3		3						3	
QSL 4	Receipt Inspection required at Apache Warehouse/ASCO Peterhead							4															4								
QSL 5	No Inspection Required																									5	5	5	5		
Certification and Documentation	SELLER Shall Supply:																														
A00	No Certification or Documentation required																														
A01	Supplier Document Register (SDR)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X
A02	Production Schedule	X	X	X	X	X	X		X	X	X	X	X	X		X	X							X							
A04	Sub Vendor List	X	X	X	X	X	X		X	X	X	X	X	X		X	X														
B01	General Arrangement Drawings																														
B07	Valve Topworks Drawing																														
C08	Equipment Datasheet																														
C09	Instrument Data Sheet																														
E02	Instrument/Electrical Panel Detail Drawing c/w Bill of Materials																														
E11	Instrument/Electrical Layout Drawings c/w Bill of Materials																														
F03	Non-actuated Valve Torque/Thrust Calculations																														
F25	Actuated Valve Torque/Thrust Calculations																														
G03	Packing, Handling and Shipping Procedure	X	X	X	X	X	X		X	X	X	X	X	X		X	X							X							
G04	COSHH Data Sheet																														
G05	Elastomer Cure Date/Certificate (no less than 75% of shelf life remaining)								X	X	X	X	X																		
H02	Quality Plan																														
H06	Weld Procedure Specification (WPS) and Qualification (WPQ) Records	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X							X							
H07	Non-destructive Examination Procedure (NDE)	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X							X							
H08	Heat Treatment Procedure (Including PWHT)	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X							X							
H09	Hydrostatic / Flushing / Pneumatic Test Procedure	X	X	X		X			X	X	X	X	X	X		X	X							X							
H10	Performance/ Acceptance Test Procedure-FAT, SAT and/or UAT		X	X		X	X		X	X	X			X		X	X							X							
H15	Inspection and Test Plan (ITP)	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X			X							
H16	Rotor/ Shaft Balance test procedure	X	X	X		X	X		X	X	X	X	X	X		X	X							X							
J01	Installation, Operations and Maintenance Manual including full parts list																														
K01	Certification Record Book	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X							
K02	ATEX/IEC Hazardous Area Certification, Schedule, and Ingress Protection																														
K03	Performance/Function Test Report		X	X		X	X		X	X	X			X		X	X							X							
K04	Acceptance Test Reports - FAT, SAT and/or UAT																														
K07	CE Declaration of Conformity (PED)																														
K08	Weight Report / Certificate	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X							X							
K09	Load Test Results																														
K10	Certificate of Conformity (BS EN 10204 - 2.1 Material Certificate)																														
K11	BS EN 10204 - 2.2 Material Certificate																														
K12	BS EN 10204 - 3.1 Material Certificate	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X							
K13	BS EN 10204 - 3.2 Material Certificate																														
K99	Miscellaneous Certification																														
L02	Welder Performance Qualifications	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X							X							
L03	Non-Destructive Examination Operator Qualifications	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X							X							
L04	Production Test Results (Including Welding)																														
L05	Non-Destructive Examination Records	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X							
L06	Heat Treatment Records	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X							
L07	Material Traceability Records																														
L08	Name Plate/ CE Mark Rubbing/ Photographs	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X							
L09	Pressure Test Certificate with Charts (hydrostatic or pneumatic)	X	X	X		X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
L42	Pressure Test Certificate without Charts (hydrostatic or pneumatic)																														
L10	Instrument Test and Calibration Certificates								X	X	X	X	X	X		X	X							X							
L11	Dimensional Report (Inc clearances & runouts)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X							
L12	Lifting Equipment Test Certificates	X	X	X	X	X	X		X	X	X	X	X	X		X	X							X							
L13	Vessel/ Exchanger Code Data Reports																														
L14	Electrical Machinery Type Tests																														
L19	Purchaser Release Note/Waivers	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X							
L20	Verification Body/Independent Competent Person(s) Release Note																														
L21	Coating or Paint Report/Certificate	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X							
L23	Fire Test Report / Certificates																														
L25	Site Survey Report																														
L26	Valve Seat Sealing and Valve Pressure Test Records																														
L27	Earth Continuity Test Records								X				X																		
L28	Type Approval Certificate																														
L29	Verification that supplied software is fully proven, tested and legitimately registered.																														
L30	NACE Certification	X																													
L31	Positive Material Identification (PMI)	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X							
L38	Inspection Release Note(s)	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X							
L39	Cable Test Certificate								X				X																		
L40	Gas Analysis Certificate																														
L41	Repair Report/Warranty/Recertification Documentation	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L44	Rotor/ Shaft Balance test results	X	X	X					X	X	X	X	X	X	X	X	X	X	X	X	X	X		X							
M01	Shipping And Packing Documents	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
M02	Hazardous Material Shipping Certificates	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							

Rotating Equipment Parts

Note 1 Full list applies to new purhases

Note 2 Material certification (K11 to K13) does not apply to overhaul and repair

PRODUCT QUALITY CODE (PQC) LIST

Inspection and Criticality		Injectors/ Burners	Bearing Roller Element	Bearing Nut	Journal Bearing	Thrust Bearing	Bush	Blades/ Buckets	Bleed Valve	Fan	Package Pipes	Clutch	Gland	Diaphragm	Nozzle	Ducting	Disc	Package Hoses	Shaft / Rotor	Impeller	Stator	Dry Gas Mechanical Seal	Labyrinth Seal	Seal Kit / Nut / Ring	Coupling	Coupling bolting	Pinion	Governor	Liners	Wear rings	Piston	Con Rod	Lifting Tools	Mechanical Seal	Column pipes	Casing	Shaft Nut	Impeller Nut	Coupling Nut	Diffuser	Sleeve	Damper	Key
QSL 1	SDRL, ITP, multiple Vendor Inspection visits and Inspection Release Note required																																										
QSL 2	ITP, multiple Vendor Inspection visits and Inspection Release Note (IRN) required													X	X	X	X		X								X																
QSL 3	Inspection Release Note (IRN) issued by BUYER/ Apache QA/QC or an Appointed Vendor Inspection Body.																																										
QSL 4	Receipt Inspection required at Apache Warehouse/ASCO Peterhead	X	X	X	X	X	X	X	X	X	X	X	X					X		X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
QSL 5	No Inspection Required																																										
Certification and Documentation	SELLER Shall Supply:																																										
A00	No Certification or Documentation required																																										
A01	Supplier Document Register (SDR)																																										
A02	Production Schedule																																										
A04	Sub Vendor List																																										
B01	General Arrangement Drawings																																										
B07	Valve Topworks Drawing																																										
C08	Equipment Datasheet																																										
C09	Instrument Data Sheet																																										
E02	Instrument/Electrical Panel Detail Drawing c/w Bill of Materials																																										
E11	Instrument/Electrical Layout Drawings c/w Bill of Materials																																										
F03	Non-actuated Valve Torque/Thrust Calculations																																										
F25	Actuated Valve Torque/Thrust Calculations																																										
G03	Packing, Handling and Shipping Procedure	X	X	X	X	X	X	X						X	X	X	X		X	X	X	X	X	X			X		X		X	X	X		X	X							
G04	COSHH Data Sheet																																										
G05	Elastomer Cure Date/Certificate (no less than 75% of shelf life remaining)																					X		X	X									X									
H02	Quality Plan																																										
H06	Weld Procedure Specification (WPS) and Qualification (WPQ) Records	X												X	X	X			X	X	X													X									
H07	Non-destructive Examination Procedure (NDE)							X						X	X	X	X		X	X	X								X	X	X	X			X								
H08	Heat Treatment Procedure (Including PWHT)							X									X		X	X															X								
H09	Hydrostatic / Flushing / Pneumatic Test Procedure																																										
H10	Performance/ Acceptance Test Procedure-FAT, SAT and/or UAT	X																																									
H15	Inspection and Test Plan (ITP)													X	X	X	X		X	X	X						X								X	X							
H16	Rotor/ Shaft Balance test procedure																X		X	X		X		X	X		X																
J01	Installation, Operations and Maintenance Manual including full parts list																																										
K01	Certification Record Book																																										
K02	ATEX/IEC Hazardous Area Certification, Schedule, and Ingress Protection																																										
K03	Performance/Function Test Report								X	X												X						X															
K04	Acceptance Test Reports - FAT, SAT and/or UAT	X																																									
K07	CE Declaration of Conformity (PED)										X																															X	
K08	Weight Report / Certificate																																		X								
K09	Load Test Results																																X										
K10	Certificate of Conformity (BS EN 10204 - 2.1 Material Certificate)									X		X						X						X		X			X	X	X	X		X			X	X	X				X
K11	BS EN 10204 - 2.2 Material Certificate	X	X	X	X	X	X		X		X		X									X	X																	X	X	X	
K12	BS EN 10204 - 3.1 Material Certificate							X						X	X	X	X		X	X	X				X		X								X	X							
K13	BS EN 10204 - 3.2 Material Certificate																																										
K99	Miscellaneous Certification																																										
L02	Welder Performance Qualifications																																										
L03	Non-Destructive Examination Operator Qualifications																																										
L04	Production Test Results (Including Welding)							X																											X								
L05	Non-Destructive Examination Records	X						X			X	X		X	X	X	X	X	X	X	X				X	X	X		X	X	X	X			X	X							
L06	Heat Treatment Records							X						X	X		X		X	X	X						X																
L07	Material Traceability Records																																										
L08	Name Plate/ CE Mark Rubbing/ Photographs																																										
L09	Pressure Test Certificate with Charts (hydrostatic or pneumatic)																																										
L42	Pressure Test Certificate without Charts (hydrostatic or pneumatic)	X									X							X																	X	X						X	
L10	Instrument Test and Calibration Certificates																																										
L11	Dimensional Report (Inc clearances & runouts)					X								X	X	X	X		X	X	X		X		X		X		X	X	X	X	X			X				X	X		
L12	Lifting Equipment Test Certificates																																										
L13	Vessel/ Exchanger Code Data Reports																																										
L14	Electrical Machinery Type Tests																																										
L19	Purchaser Release Note/Waivers																																										
L20	Verification Body/Independent Competent Person(s) Release Note																																										
L21	Coating or Paint Report/Certificate							X							X		X																		X	X							
L23	Fire Test Report / Certificates																																										
L25	Site Survey Report																																										
L26	Valve Seat Sealing and Valve Pressure Test Records																																										
L27	Earth Continuity Test Records																																										
L28	Type Approval Certificate																																										
L29	Verification that supplied software is fully proven, tested and legitimately registered.																																										
L30	NACE Certification																																										
L31	Positive Material Identification (PMI)																																										
L38	Inspection Release Note(s)																																										
L39	Cable Test Certificate																																										
L40	Gas Analysis Certificate																																										
L41	Repair Report/Warranty/Recertification Documentation							X																																			
L44	Rotor/ Shaft Balance test results																X		X	X		X		X	X		X																
M01	Shipping And Packing Documents	X	X	X	X	X	X	X				X		X	X	X	X		X	X	X	X	X	X	X			X	X		X				X	X							X	
M02	Hazardous Material Shipping Certificates																																										

Instrumentation

PRODUCT QUALITY CODE (PQC) LIST

Inspection and Criticality		Pressure Transmitter	Pressure Switch	Pressure Gauge	Temperature Transmitter	Temperature Switch	Temperature Gauge	Thermowell	Flow Transmitter	Flow Switch	Flow Gauge	Flow Meter Parts	Flow Element	Level Transmitter	Level Switch	Analyser	Level Gauge	Accumulator	Positioner	Chart Recorders	Control Systems	Fire and Gas Detectors	Speed Sensor	Vibration Sensor	Measurement and Test Equipment	Test Gas	Condition monitoring	Instrumentation General Parts	Position Transmitter	Proximity Sensor	Sampling Equipment	Temperature Sensor (TC/RTD)	Tubing and fittings	Pressure Regulator
QSL 1	SDRL, ITP, multiple Vendor Inspection visits and Inspection Release Note required																				X						X								
QSL 2	ITP, multiple Vendor Inspection visits and Inspection Release Note (IRN) required																																		
QSL 3	Inspection Release Note (IRN) issued by BUYER/ Apache QA/QC or an Appointed Vendor Inspection Body.																																		
QSL 4	Receipt Inspection required at Apache Warehouse/ASCO Peterhead	x	x	x	x	x	x	x	x	x	x	X	X	X	X	X	X	X	X			X	X	X	X	X		X	X	X	X	X	X	X	
QSL 5	No Inspection Required																																		
Certification and Documentation	SELLER Shall Supply:																																		
A00	No Certification or Documentation required																																		
A01	Supplier Document Register (SDR)																				X						X								
A02	Production Schedule																				X						X								
A04	Sub Vendor List																																		
B01	General Arrangement Drawings																																		
B07	Valve Topworks Drawing																																		
C08	Equipment Datasheet																																		
C09	Instrument Data Sheet																		X													X			
E02	Instrument/Electrical Panel Detail Drawing c/w Bill of Materials																																		
E11	Instrument/Electrical Layout Drawings c/w Bill of Materials																																		
F03	Non-actuated Valve Torque/Thrust Calculations																																		
F25	Actuated Valve Torque/Thrust Calculations																																		
G03	Packing, Handling and Shipping Procedure																				X						X								
G04	COSHH Data Sheet																																		
G05	Elastomer Cure Date/Certificate (no less than 75% of shelf life remaining)																																		
H02	Quality Plan																				X						X								
H06	Weld Procedure Specification (WPS) and Qualification (WPQ) Records																																		
H07	Non-destructive Examination Procedure (NDE)																																		
H08	Heat Treatment Procedure (Including PWHT)																																		
H09	Hydrostatic / Flushing / Pneumatic Test Procedure																																		
H10	Performance/ Acceptance Test Procedure-FAT, SAT and/or UAT																				X						X								
H15	Inspection and Test Plan (ITP)																				X						X								
H16	Rotor/ Shaft Balance test procedure																																		
J01	Installation, Operations and Maintenance Manual including full parts list																				X	X			X		X								
K01	Certification Record Book																																		
K02	ATEX/IEC Hazardous Area Certification, Schedule, and Ingress Protection	X	X		X	X			X	X				X	X				X			X									X				
K03	Performance/Function Test Report																																		
K04	Acceptance Test Reports - FAT, SAT and/or UAT																				X						X								
K07	CE Declaration of Conformity (PED)		X					X	X	X	X	X	X	X	X		X	X													X				
K08	Weight Report / Certificate																				X						X								
K09	Load Test Results																																		
K10	Certificate of Conformity (BS EN 10204 - 2.1 Material Certificate)																		X				X	X				X	X	X		X		X	
K11	BS EN 10204 - 2.2 Material Certificate	X	X	X		X	X		X	X	X	X	X	X	X	X	X	X													X				
K12	BS EN 10204 - 3.1 Material Certificate							X																									X		
K13	BS EN 10204 - 3.2 Material Certificate																																		
K99	Miscellaneous Certification																																		
L02	Welder Performance Qualifications																																		
L03	Non-Destructive Examination Operator Qualifications																																		
L04	Production Test Results (Including Welding)																																		
L05	Non-Destructive Examination Records																	X													X				
L06	Heat Treatment Records																																		
L07	Material Traceability Records																																		
L08	Name Plate/ CE Mark Rubbing/ Photographs																				X						X								
L09	Pressure Test Certificate with Charts (hydrostatic or pneumatic)																																		
L42	Pressure Test Certificate without Charts (hydrostatic or pneumatic)	X	X	X					X	X	X	X		X	X		X	X																	
L10	Instrument Test and Calibration Certificates	X	X	X	X	X	X		X	X	X	X		X	X		X			X		X			X							X			
L11	Dimensional Report																																		
L12	Lifting Equipment Test Certificates																																		
L13	Vessel/ Exchanger Code Data Reports																																		
L14	Electrical Machinery Type Tests																																		
L19	Purchaser Release Note/Waivers																																		
L20	Verification Body/Independent Competent Person(s) Release Note																																		
L21	Coating or Paint Report/Certificate																																		
L23	Fire Test Report / Certificates																																		
L25	Site Survey Report																																		
L26	Valve Seat Sealing and Valve Pressure Test Records																																		
L27	Earth Continuity Test Records																																		
L28	Type Approval Certificate																																		
L29	Verification that supplied software is fully proven, tested and legitimately registered.																				X						X								
L30	NACE Certification	X	X	X				X	X	X	X	X		X	X		X														X				
L31	Positive Material Identification (PMI)																														X				
L38	Inspection Release Note(s)																				X						X								
L39	Cable Test Certificate																																		
L40	Gas Analysis Certificate																									X									
L41	Repair Report/Warranty/Recertification Documentation																																		
L44	Rotor/ Shaft Balance test results																																		
M01	Shipping And Packing Documents																				X						X								
M02	Hazardous Material Shipping Certificates																									X									
K16	Safety Certification to IEC61508	X	X		X	X			X	X				X	X						X	X					X								

PRODUCT QUALITY CODE (PQC) LIST
PEDESTAL CRANES

Inspection and Criticality		Hooks/ blocks	Booms	Hydraulic Pumps	Hydraulic Motors	Brakes	Instrumentation/ sensors	PLC's	Wire rope	Gear boxes	Winches	Accumulators	Valves	Diesel Engines	SLEWRING	Hooks/ Block Refurbishment	Boom Refurbishment	Hydraulic Pump Overhaul	Hydraulic Motor Overhaul	Gearbox Overhaul	Winch Overhaul	Accumulator Refurbishment	Engine Overhaul
QSL 1	SDRL, ITP, multiple Vendor Inspection visits and Inspection Release Note required		X																				
QSL 2	ITP, multiple Vendor Inspection visits and Inspection Release Note (IRN) required														X								
QSL 3	Inspection Release Note (IRN) issued by BUYER/ Apache QA/QC or an Appointed Vendor Inspection Body.							X		X	X			X			X			X	X		X
QSL 4	Receipt Inspection required at Apache Warehouse/ASCO Peterhead	X		X	X	X			X			X	X			X		X	X			X	
QSL 5	No Inspection Required						X																
Certification and Documentation	SELLER Shall Supply:																						
A00	No Certification or Documentation required																						
A01	Supplier Document Register (SDR)							X		X	X												
A02	Production Schedule														X								
A04	Sub Vendor List							X															
B01	General Arrangement Drawings		X					X							X								
B07	Valve Topworks Drawing																						
C08	Equipment Datasheet			X	X	X		X		X	X	X		X									
C09	Instrument Data Sheet						X	X															
E02	Instrument/Electrical Panel Detail Drawing c/w Bill of Materials							X															
E11	Instrument/Electrical Layout Drawings c/w Bill of Materials							X															
F03	Non-actuated Valve Torque/Thrust Calculations																						
F25	Actuated Valve Torque/Thrust Calculations																						
G03	Packing, Handling and Shipping Procedure																						
G04	COSHH Data Sheet																						
G05	Elastomer Cure Date/Certificate (no less than 75% of shelf life remaining)																						
H02	Quality Plan		X					X		X	X			X	X	X	X	X	X	X	X	X	X
H06	Weld Procedure Specification (WPS) and Qualification (WPQ) Records		X							X	X						X						
H07	Non-destructive Examination Procedure (NDE)		X												X		X			X	X	X	X
H08	Heat Treatment Procedure (Including PWHT)														X		X						
H09	Hydrostatic / Flushing / Pneumatic Test Procedure																					X	
H10	Performance/ Acceptance Test Procedure-FAT, SAT and/or UAT							X		X	X												X
H15	Inspection and Test Plan (ITP)	X	X	X	X			X		X	X	X	X	X	X	X	X			X	X	X	X
H16	Rotor/ Shaft Balance test procedure																						
J01	Installation, Operations and Maintenance Manual including full parts list							X		X	X												
K01	Certification Record Book	X	X					X				X		X			X					X	
K02	ATEX/IEC Hazardous Area Certification, Schedule, and Ingress Protection				X	X	X	X				X	X					X	X				
K03	Performance/Function Test Report			X	X	X				X								X	X	X	X		X
K04	Acceptance Test Reports - FAT, SAT and/or UAT							X						X						X	X		
K07	CE Declaration of Conformity (PED)		X									X											
K08	Weight Report / Certificate																						
K09	Load Test Results	X							X							X							
K10	Certificate of Conformity (BS EN 10204 - 2.1 Material Certificate)						X						X										
K11	BS EN 10204 - 2.2 Material Certificate																						
K12	BS EN 10204 - 3.1 Material Certificate	X	X							X	X	X					X			X	X		
K13	BS EN 10204 - 3.2 Material Certificate														X								
K99	Miscellaneous Certification																						
L02	Welder Performance Qualifications		X							X	X						X						
L03	Non-Destructive Examination Operator Qualifications		X							X	X				X		X						
L04	Production Test Results (Including Welding)																						
L05	Non-Destructive Examination Records	X	X							X	X				X	X	X			X	X	X	X
L06	Heat Treatment Records									X	X				X		X						
L07	Material Traceability Records		X							X	X				X		X			X	X		
L08	Name Plate/ CE Mark Rubbing/ Photographs																						
L09	Pressure Test Certificate with Charts (hydrostatic or pneumatic)																						
L42	Pressure Test Certificate without Charts (hydrostatic or pneumatic)											X	X									X	
L10	Instrument Test and Calibration Certificates																						
L11	Dimensional Report		X						X						X		X						
L12	Lifting Equipment Test Certificates								X							X							
L13	Vessel/ Exchanger Code Data Reports																						
L14	Electrical Machinery Type Tests																						
L19	Purchaser Release Note/Waivers																						
L20	Verification Body/Independent Competent Person(s) Release Note							X		X	X				X								
L21	Coating or Paint Report/Certificate		X	X	X	X				X	X					X	X	X	X			X	
L23	Fire Test Report / Certificates																						
L25	Site Survey Report																						
L26	Valve Seat Sealing and Valve Pressure Test Records																						
L27	Earth Continuity Test Records																						
L28	Type Approval Certificate																						
L29	Verification that supplied software is fully proven, tested and legitimately registered.																						
L30	NACE Certification																						
L31	Positive Material Identification (PMI)																						
L38	Inspection Release Note(s)		X					X		X	X	X		X	X		X			X	X		X
L39	Cable Test Certificate																						
L40	Gas Analysis Certificate																						
L41	Repair Report/Warranty/Recertification Documentation																						
L44	Rotor/ Shaft Balance test results																						
M01	Shipping And Packing Documents																						
M02	Hazardous Material Shipping Certificates																						
K16	Safety Certification to IEC61508																						

PRODUCT QUALITY CODE (PQC) LIST
gaskets, flanges and pipe fittings

Inspection and Criticality		Gaskets/ O rings elastomer	Gaskets/ O rings carbon steel	Gaskets/ O rings spiral wound	Gaskets/ O rings bronze	Gaskets/ O rings stainless/ exotic	Gaskets/ O rings elastomer/ glass fibre	Gaskets/ O rings CNAF	Gaskets/ O rings Cork	Gaskets/ O rings Copper	Gaskets/ O rings CAF	Gaskets/ O rings Graphite	Gaskets/ O rings Other	Sealant/ tape etc.		Seal kits	Mechanical Seals (Rotating)			Flanges	Pipe Fittings Elbow	Pipe Fittings Nipple	Pipe Fittings Plugs	Pipe Fittings Connectors	Pipe Fittings Adaptors	Pipe Fittings Clamps	Pipe Fittings Union	Pipe Fittings Reducer	Pipe Fittings Couplings	Pipe Fittings Tee	Pipe Fittings Cap	Pipe Fittings Bushing	Pipe Fittings Spool	Pipe Fittings Hub	Pipe Fittings Weldolet	Bolts/ Studs					
QSL 1	SDRL, ITP, multiple Vendor Inspection visits and Inspection Release Note required																																									
QSL 2	ITP, multiple Vendor Inspection visits and Inspection Release Note (IRN) required																																									
QSL 3	Inspection Release Note (IRN) issued by BUYER/ Apache QA/QC or an Appointed Vendor Inspection Body.																																									
QSL 4	Receipt Inspection required at Apache Warehouse/ASCO Peterhead																																									
QSL 5	No Inspection Required	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
Certification and Documentation	SELLER Shall Supply:																																									
A00	No Certification or Documentation required								X					X																												
A01	Supplier Document Register (SDR)																																									
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G03	Packing, Handling and Shipping Procedure																																									
G04	COSHH Data Sheet																																									
G05	Elastomer Cure Date/Certificate (no less than 75% of shelf life remaining)	X					X																																			
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H06	Weld Procedure Specification (WPS) and Qualification (WPQ) Records																																									
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K04	Acceptance Test Reports - FAT, SAT and/or UAT																																									
K07	CE Declaration of Conformity (PED)																																									
K08	Weight Report / Certificate																																									
K09	Load Test Results																																									
K10	Certificate of Conformity (BS EN 10204 - 2.1 Material Certificate)	X		X	X		X	X		X	X	X	X			X																										
K11	BS EN 10204 - 2.2 Material Certificate		X														X																									
K12	BS EN 10204 - 3.1 Material Certificate					X														X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
K13	BS EN 10204 - 3.2 Material Certificate																																									
K99	Miscellaneous Certification																																									
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