

## ABBREVIATIONS

Term	Definition
<b>AACST</b>	Annual Approved Carbon Storage Target
<b>ABEX</b>	Annualised Abandonment Expenditure
<b>ABR</b>	Additional Budget Request
<b>ACAL</b>	Asset Control and Assurance Listing
<b>ACV</b>	Approved Contract Value
<b>A/D</b>	Analogue to Digital
<b>ADP</b>	Area Development Plan
<b>AELB</b>	Atomic Energy Licensing Board
<b>AFC</b>	Approved for Construction
<b>AFR</b>	Approved for Removal
<b>AGA</b>	American Gas Association
<b>ALARP</b>	As Low As Reasonably Practicable
<b>AMIR</b>	Asset Management Integrated Review
<b>ANSI</b>	American National Standard Institute
<b>APB</b>	Annulus Pressure Build-Up
<b>API</b>	American Petroleum Institute
<b>ARCR</b>	Annual Review of Carbon Storage Resources
<b>AS</b>	Affiliate Services
<b>ASTM</b>	American Society for Testing and Materials
<b>AWP&amp;B</b>	Abandonment Work Programme and Budget
<b>BCP</b>	Business Continuity Plan
<b>BDEP</b>	Basic Design & Engineering Package
<b>BDP</b>	Basic Design Package
<b>BFD</b>	Basis for Design
<b>BHP</b>	Bottom Hole Assembly
<b>BHT</b>	Bottom-Hole Temperature
<b>BOCP</b>	Blowout Contingency Plan
<b>BOD</b>	Basis Of Design
<b>BOP</b>	Blowout Preventer
<b>BOSIET</b>	Basic Offshore Safety Induction and Emergency Training
<b>BPEOA</b>	Best Practicable Environmental Option Assessment
<b>BPV</b>	Back Pressure Valve
<b>BST</b>	Basic Safety Training
<b>BT</b>	Budget Transfer
<b>BTEX</b>	Benzene, Toluene and Xylene
<b>CA</b>	Confidentiality Agreement
<b>CAPEX</b>	Capital Expenditure

<b>CCPF</b>	Completion Cost per Foot
<b>CCS</b>	Carbon Capture and Storage
<b>CCUS</b>	Carbon Capture Utilisation and Storage
<b>CDPTF</b>	Completion Days per Thousand Feet
<b>CMMS</b>	Computerised Maintenance Management System
<b>CMP</b>	Corrective Measure Plan
<b>CNG</b>	Compressed Natural Gas
<b>CO<sub>2</sub></b>	Carbon Dioxide
<b>CoO</b>	Cessation of Operation
<b>CoP</b>	Cessation of Production
<b>CPL</b>	Correction for the Effect of Pressure on Liquid
<b>CPS</b>	Correction for the Effect of Pressure on Steel
<b>CRA</b>	Cost Risk Assessment
<b>CRS</b>	Coordinate Reference System
<b>CSEM</b>	Controlled-source Electromagnetic
<b>CSIR</b>	Carbon Storage Information Release
<b>CSP</b>	Carbon Storage Project
<b>CSPRA</b>	Carbon Storage Project Risk Assessment
<b>CSR</b>	Concept Selection Report
<b>CSU</b>	Commissioning and Start-Up
<b>CTL</b>	Correction for the Effect of Temperature on Liquid
<b>CTS</b>	Correction for the Effect of Temperature on Steel
<b>CUI</b>	Corrosion Under Insulation
<b>DAP</b>	Detailed Abandonment Plan
<b>DCS</b>	Decommissioning for Carbon Storage Review
<b>DCPF</b>	Drilling Cost Per Foot
<b>DDA</b>	Due Diligence Assurance
<b>DDP</b>	Detailed Decommissioning Plan
<b>DDPTF</b>	Drilling Days per Thousand Feet
<b>DDR</b>	Daily Drilling Report
<b>DEP</b>	Decommissioning Environmental Plan
<b>DG</b>	Decision Gate
<b>DM</b>	Deferment Management
<b>DOA</b>	Decommissioning Option Assessment
<b>DOE</b>	Department of Environment
<b>DOF</b>	Department of Fisheries
<b>DOR</b>	Daily Operation Report
<b>DP</b>	Dynamic Positioning
<b>DR</b>	Decommissioning Review
<b>DST</b>	Drill Stem Test
<b>ECD</b>	Equivalent Circulating Density

<b>EDG</b>	Exploration Decision Gate
<b>EIA</b>	Environmental Impact Assessment
<b>EM</b>	Electromagnetic
<b>EMP</b>	Environmental Management Plan
<b>EN</b>	European Standard
<b>EPC</b>	Engineering, Procurement and Construction
<b>EPCC</b>	Engineering, Procurement, Construction and Commissioning
<b>EPCIC</b>	Engineering, Procurement, Construction, Installation and
<b>ERM</b>	Enterprise Risk Management
<b>ERP</b>	Emergency Response Plan
<b>ERT</b>	Electrical Resistance Tomography
<b>ESD</b>	Emergency Shutdown
<b>ESDV</b>	Emergency Shutdown Valve
<b>ESRT</b>	Emergency Support Rescue Team
<b>EUR</b>	Estimated Ultimate Recovery
<b>EVM</b>	Earned Value Method
<b>FA</b>	Final Acceptance
<b>FAD</b>	Fish Aggregating Device
<b>FAT</b>	Factory Acceptance Test
<b>FCB</b>	Fast Crew Boat
<b>FCI</b>	First Commercial Injection
<b>FDCR</b>	Final Drilling and Completion Report
<b>FDP</b>	Field Development Plan
<b>FEED</b>	Front End Engineering Design
<b>FFH</b>	Final Facilities Handover
<b>FFR</b>	Full Field Review
<b>FHD</b>	Facilities Handover Date
<b>FI</b>	Final Inspection
<b>FID</b>	Final Investment Decision
<b>FIP</b>	Facilities Improvement Project
<b>FIT</b>	Formation Integrity Test
<b>FMEA</b>	Failure Mode and Effects Analysis
<b>FR</b>	Feasibility Report
<b>FSA</b>	Formal Safety Assessment
<b>FSR</b>	Feasibility Study Report
<b>FTD</b>	Final Total Depth
<b>FWAR</b>	Final Well Abandonment Report
<b>FWIR</b>	Final Well Intervention Report
<b>FWOR</b>	Final Workover Report
<b>FWP</b>	Fire Water Pump
<b>G&amp;A</b>	General and Administrative

<b>G&amp;G</b>	Geological and Geophysical
<b>GHG</b>	Greenhouse Gas
<b>GIS</b>	Geographic Information System
<b>HA</b>	Handover Assurance
<b>HAZID</b>	Hazard Identification
<b>HAZOP</b>	Hazard and Operability Study
<b>HEMP</b>	Hazards and Effects Management Process
<b>HIPPS</b>	High Integrity Pressure Protection System
<b>HIIP</b>	Hydrocarbon Initially in Place
<b>HPHT</b>	High Pressure High Temperature
<b>H<sub>2</sub>S</b>	Hydrogen Sulphide
<b>HSE</b>	Health, Safety & Environment
<b>HSSE</b>	Health, Safety, Security & Environment
<b>HSSE MS</b>	Health, Safety, Security & Environment Management System
<b>HUET</b>	Helicopter Underwater Evacuation Framing
<b>HUC</b>	Hook-up and Commissioning
<b>HWU</b>	Hydraulic Workover Unit
<b>IA</b>	Impact Assessment
<b>IADC</b>	International Association of Drilling Contractors
<b>I.D.</b>	Inside Diameter
<b>IE</b>	Injection Enhancement
<b>IEC</b>	International Electrotechnical Commission
<b>IFH</b>	Initial Facilities Handover
<b>IMCA</b>	International Marine Contractors Association
<b>IMO</b>	International Maritime Organization
<b>IOM</b>	Integrated Operation Meeting
<b>IP</b>	Intellectual Property
<b>ISO</b>	International Organization of Standardization
<b>IT</b>	Information Technology
<b>IWR</b>	Idle Well Reactivation
<b>JOA</b>	Joint Operating Agreement
<b>JV</b>	Joint Venture
<b>KOM</b>	Kick-off meeting
<b>KPI</b>	Key Performance Indicators
<b>LLI</b>	Long-lead Items
<b>LTI</b>	Lost Time Injury
<b>LTIF</b>	Lost Time Injury Frequency
<b>LTOBM</b>	Low Toxicity Oil-Based Mud
<b>LNG</b>	Liquefied Natural Gas
<b>LOI</b>	Letter of Intent
<b>LOPC</b>	Loss of Primary Containment

<b>LOT</b>	Leak Off Test
<b>LPG</b>	Liquefied Petroleum Gas
<b>LWD</b>	Logging While Drilling
<b>MAH</b>	Major Accident Hazard
<b>MAP</b>	Measurement and Accounting Procedures
<b>MAOP</b>	Maximum Allowable Operating Pressure
<b>MC</b>	Mechanical Completion
<b>MCD</b>	Mechanical Completion Date
<b>MCM</b>	Monthly Coordination Meeting
<b>MD</b>	Measured Depth
<b>MES</b>	Minimum Environmental Specifications
<b>MFC</b>	Minimum Financial Commitment
<b>MIT</b>	Mechanical Integrity Test
<b>MMV</b>	Monitoring, Measurement and Verification
<b>MOC</b>	Management of Change
<b>MOD</b>	Money of the Day
<b>MoM</b>	Minute of Meeting
<b>MPD</b>	Managed Pressure Drilling
<b>MPR</b>	Monthly Progress Report
<b>MSDS</b>	Material Safety Data Sheet
<b>MTAB</b>	Measurement, Testing, Allocation and Balancing
<b>MTBF</b>	Mean Time Between Failures
<b>MTR</b>	Mean Time to Restore
<b>MTTR</b>	Mean Time to Repair
<b>MWC</b>	Minimum Work Commitment
<b>MWD</b>	Measurement While Drilling
<b>NACE</b>	National Association of Corrosion Engineers
<b>NDT</b>	Non-destructive Test
<b>NFE</b>	Notional Field Exploration
<b>NFPA</b>	National Fire Protection Agency
<b>NLA</b>	Nomination and Lifting Agreements
<b>NMIM-SIRIM</b>	National Metrology Institute of Malaysia - Standards and Industrial Research Institute of Malaysia
<b>NOOP</b>	Notice of Operation
<b>NORM</b>	Naturally Radioactive Materials
<b>NOWAP</b>	Notice of Well Abandonment Plan
<b>NOWIP</b>	Notice of Well Intervention Programme
<b>NOWOP</b>	Notice of Workover Operations
<b>NPT</b>	Non-Productive Time
<b>NREB</b>	Natural Resources and Environment Board
<b>NTU</b>	Nephelometric Turbidity Unit

<b>OCM</b>	Operation Committee Meeting
<b>OCS</b>	Overall Contracting Strategy
<b>OEM</b>	Original Equipment Manufacturer
<b>O.D.</b>	Outside Diameter
<b>OIML</b>	International Organization of Legal Metrology
<b>OJT</b>	On the Job Training
<b>OOC</b>	Oil on Cuttings
<b>OPEX</b>	Operational Expenditure
<b>ORM</b>	Operational Risk Management
<b>ORSA</b>	Operation Readiness and Safety Assurance
<b>OSP</b>	Offshore Safety Passport
<b>OSR MS</b>	Offshore Self-Regulation Management System
<b>PA</b>	Provisional Acceptance
<b>P&amp;A</b>	Plug and Abandonment
<b>PAP</b>	Project Assurance Plan
<b>PAP</b>	Pipeline Abandonment Plan
<b>PBE</b>	Pre-Budget Expectation
<b>PCAP</b>	Project Control and Assurance Plan
<b>PCM</b>	Project Coordination Meeting
<b>PCO</b>	Project Close Out
<b>PCPG</b>	PETROS Contracting and Procurement Guide
<b>PD</b>	Planned Deferral
<b>PDCA</b>	Plan, Do, Check, Adjust
<b>PDG</b>	Permanent Downhole Gauges
<b>PDR</b>	Post Drilling Review
<b>PEMP</b>	Project Execution Management & Planning
<b>PEP</b>	Project Execution Plan
<b>PER</b>	Project Execution Review
<b>PISC</b>	Post Injection Site Care
<b>P&amp;ID</b>	Piping and Instrumentation Diagram
<b>PIMS</b>	Pipeline Integrity Management System
<b>PIN</b>	Project Initiation Note
<b>PIR</b>	Post Implementation Review
<b>PLL</b>	Project Lessons Learnt
<b>PM</b>	Project Manager
<b>PMS</b>	Project Management System
<b>POB</b>	Personnel on Board
<b>POCM</b>	Project Operation Coordination Meeting
<b>PP</b>	Procurement Plan
<b>Ppb</b>	Parts per Billion
<b>PPC</b>	Provisional Post-Closure

<b>PPD</b>	Project Premises Document
<b>PPG</b>	PETROS Petroleum Guideline
<b>PPM</b>	Parts per million
<b>PPR</b>	Project Performance Review
<b>PRA</b>	Project Risk Assessment
<b>PSUA</b>	Pre-Start-up Audit
<b>PTL</b>	PETROS Threshold Limit
<b>PVT</b>	Pressure Volume and Temperature
<b>QA</b>	Quality Assurance
<b>QC</b>	Quality Control
<b>OSH</b>	Occupational Safety & Health
<b>RAM</b>	Risk Assessment Matrix
<b>RCD</b>	Rotating Control Device
<b>RCFA</b>	Root Cause Failure Analysis
<b>R&amp;D</b>	Research and Development
<b>RFC</b>	Ready For Commissioning
<b>RFR</b>	Ready For Removal
<b>RFSU</b>	Ready For Start-Up
<b>ROP</b>	Rate of Penetration
<b>ROV</b>	Remotely Operated Vehicle
<b>RTD</b>	Resistance Thermal Detector
<b>SADIR</b>	Storage Asset Development Integrated Review
<b>SAMIR</b>	Storage Asset Management Integrated Review
<b>SAT</b>	Site Acceptance Test
<b>SBM</b>	Synthetic Based Mud
<b>SCE</b>	Safety Critical Elements
<b>SCSSV</b>	Surface Controlled Subsurface Safety Valve
<b>SCP</b>	Sustained Casing Pressure
<b>SDA</b>	Storage Development Agreement
<b>SDP</b>	Storage Development Plan
<b>SFAP</b>	Surface Facilities Abandonment Plan
<b>SG</b>	Stage Gate Process
<b>SIA</b>	Social Impact Assessment
<b>SIM</b>	Structural Integrity Management
<b>SIMOP</b>	Simultaneous Operations
<b>SIPROD</b>	Simultaneous Production and Drilling Operation
<b>SMP</b>	Storage Management Plan
<b>SPE-SRMS</b>	Society of Petroleum Engineers' Carbon Dioxide (CO <sub>2</sub> ) Storage Resources Management System Resources Management System
<b>SPF</b>	Shot-per-foot
<b>SRM</b>	Sarawak Resource Management

<b>SRA</b>	Schedule Risk Assessment
<b>SRP</b>	Security Response Plan
<b>SSA</b>	Storage Study Agreement
<b>SSC</b>	Sulphide Stress Cracking
<b>SSR</b>	Storage Site Review
<b>SSV</b>	Surface Safety Valve
<b>SWAP</b>	Subsurface Well Abandonment Plan
<b>TAM</b>	Technical Authorities Manual
<b>TD</b>	Total Depth
<b>TENORM</b>	Technologically Enhanced Naturally Occurring Radioactive Material
<b>T&amp;D</b>	Torque & Drag
<b>TMS</b>	Technology Management System
<b>TOC</b>	Top of Cement
<b>TRC</b>	Technical Review Committee
<b>TRCF</b>	Total Recordable Case Frequency
<b>TSS</b>	Total Solid Suspension
<b>TVD</b>	True Vertical Depth
<b>TWA</b>	Time-Weighted Average
<b>UAT</b>	User Acceptance Test
<b>UAUC</b>	Unsafe Act/ Unsafe Condition
<b>UNFCCC</b>	United Nations Framework Convention on Climate Change
<b>UPC</b>	Unit Production Cost
<b>UPD</b>	Unplanned Deferral
<b>USDW</b>	Underground Sources of Drinking Water
<b>VDR</b>	Virtual Data Room
<b>WAR</b>	Well Abandonment Report
<b>WBE</b>	Well Barrier Element
<b>WCPF</b>	Well Cost Per Foot
<b>WIMS</b>	Well Integrity Management System
<b>WP</b>	Work Programme
<b>WOC</b>	Wait-On-Cement
<b>WOW</b>	Waiting on Weather
<b>YEP</b>	Year-End Projection
<b>YER</b>	Year End Reporting
<b>YTD</b>	Year-to-Date