

ISO 10417:2004-07 (E)

Petroleum and natural gas industries - Subsurface safety valve systems - Design, installation, operation and redress

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Abbreviated terms	4
5	System configuration	4
5.1	General	4
5.2	System requirements	6
5.3	Equipment requirements	10
5.4	Documentation and data control	13
Annex A (normative) SSSV Redress report (minimum data requirements)		15
A.1	General data	15
A.2	Redress test summary	15
Annex B (informative) Installation		16
B.1	General	16
B.2	Surface-controlled subsurface safety valve	16
B.3	Surface control system	17
B.4	Subsurface-controlled subsurface safety valves -- Application to multiple and single completions	18
Annex C (informative) Operations		19
C.1	General	19
C.2	Operation and testing	19
C.3	Recommendations and required documentation	19
C.4	Review and responsibilities of ESD system testing	20
C.5	Important information on system shutdown	20
Annex D (informative) Sizing of subsurface-controlled safety valves		21
D.1	General	21
D.2	Velocity-type SSCSV	21
D.3	Low-tubing-pressure-type SSCSV	22
Annex E (informative) SSSV Testing		26
E.1	Procedure for testing installed surface-controlled subsurface safety valves -- Standard depth	26
E.2	Test procedure for installed surface-controlled subsurface safety valves -- Deepwater installations	27

E.3	Test procedure for installed subsurface-controlled subsurface safety valves	28
	Annex F (normative) Failure reporting	29
F.1	Failure reporting	29
F.2	Minimum information	29
	Bibliography	31