

# ISO 15156-1:2015-09 (E)

## Petroleum and natural gas industries - Materials for use in H<sub>2</sub>S-containing environments in oil and gas production - Part 1: General principles for selection of cracking-resistant materials

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1	Scope .....	1
2	Normative references .....	2
3	Terms and definitions .....	2
4	Abbreviated terms .....	6
5	General principles .....	6
6	Evaluation and definition of service conditions to enable material selection .....	7
7	Selection of materials resistant to SSC/SCC in the presence of sulfides from existing lists and tables .....	7
8	Qualification of materials for H <sub>2</sub> S service .....	7
8.1	Material description and documentation .....	7
8.2	Qualification based upon field experience .....	8
8.3	Qualification based upon laboratory testing .....	8
8.3.1	General .....	8
8.3.2	Sampling of materials for laboratory testing .....	8
8.3.3	Selection of laboratory test methods .....	8
8.3.4	Conditions to be applied during testing .....	9
8.3.5	Acceptance criteria .....	9
9	Report of the method of selection or qualification .....	9
Bibliography .....		10