ISO/TS 17969:2017-11 (E)

Petroleum, petrochemical and natural gas industries - Guidelines on competency management for well operations personnel

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Competency management system 3
4.1 General 3
4.2 Benefits of a CMS 3
4.3 Comparison of a CMS with an appraisal system 3
4.4 Development of a CMS 4
4.4.1 CMS cycle 4
4.4.2 Phase 1 -- Establish requirements for the CMS 5
4.4.3 Phase 2 -- Design the CMS 6
4.4.4 Phase 3 -- Implement the CMS 7
4.4.5 Phase 4 -- Maintain and develop competence 8
4.4.6 Phase 5 -- Verify, audit and review the CMS 10

5 Application of CMS requirements to well operations personnel 11
5.1 General 11
5.2 Recommended risk-based approach for well operations 12
5.3 Competency model 13
5.3.1 Well competency catalogue 13
5.3.2 Proficiency levels 15
5.3.3 Competency profile 16
5.4 Team competence 16
5.5 Leadership skills 16
5.6 Contract personnel 17
5.7 Roadmap to ensure competency 17

6 Examplesofcompetencyprofiles 19

Annex A (informative) Example competency assessment information 20

Annex B (informative)Exampleofcompetencyprofilefordrillingsupervisor 24

Annex C (informative)Exampleofcompetencyprofileforseniordrillingengineer 25

Annex D (informative)Exampleofcompetencyprofileforwellexaminer 26

Annex E (informative)Exampleofcompetencyprofileforoperationsgeologist 27

Bibliography 28