

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	Terms and definitions	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	Examples of competency profiles	19
Annex A (informative) Example competency assessment information		20
Annex B (informative) Example of competency profile for drilling supervisor		24
Annex C (informative) Example of competency profile for senior drilling engineer		25
Annex D (informative) Example of competency profile for well examiner		26
Annex E (informative) Example of competency profile for operations geologist		27
Bibliography		28