

DIN EN 16260:2013-01 (E)

Water quality - Visual seabed surveys using remotely operated and/or towed observation gear for collection of environmental data

Contents		Page
Foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	Principle	7
5	Equipment	8
5.1	General	8
5.2	Cameras and light	8
5.3	Sonar altimeter	8
5.4	Data recording equipment	8
6	Positioning	9
6.1	General	9
6.2	Calibration of positioning equipment	9
6.3	Positioning of the different types of survey	9
6.4	Underwater positioning	10
7	Collecting data	11
7.1	Quality assurance and quality control	11
7.2	Survey plan	11
7.3	Transect surveys	11
7.4	Pilot survey	12
7.5	Mapping	12
7.6	Trend monitoring	13
7.6.1	General	13
7.6.2	Trend monitoring at fixed stations	13
7.6.3	Trend monitoring using video transects	14
7.7	Reference location	15
8	Image analysis	15
8.1	General	15
8.2	Analyses of video sequences	15
8.3	Analyses of still images	15
8.4	Seabed substrates	16
8.5	Taxonomic identification	16
8.6	Identification and quantification of organisms	17
8.7	Reporting and archiving	17
8.7.1	Field report	17
8.7.2	Survey report	18
Annex A (informative)	Example for a fieldwork registration form for visual seabed surveys	19
Bibliography		22