

# ISO 24807:2023-10 (E)

## Recreational diving services - Requirements for rebreather diver training - Decompression diving to 100 m

---

<b>Contents</b>		<b>Page</b>
<b>Foreword</b>		v
<b>Introduction</b>		vi
<b>1</b>	<b>Scope</b>	<b>1</b>
<b>2</b>	<b>Normative references</b>	<b>1</b>
<b>3</b>	<b>Terms and definitions</b>	<b>1</b>
<b>4</b>	<b>Competencies</b>	<b>3</b>
<b>5</b>	<b>Prerequisites for training</b>	<b>4</b>
	5.1 General	4
	5.2 Minimum age	4
	5.3 Diving experience	4
	5.4 Health requirements	4
<b>6</b>	<b>Introductory information</b>	<b>5</b>
<b>7</b>	<b>Theoretical knowledge</b>	<b>5</b>
	7.1 Knowledge review	5
	7.2 Risk management	5
	7.3 Team diving	6
	7.4 Project dives with specific objectives	7
	7.5 Function of rebreather components	7
	7.6 Breathing performance using a rebreather	8
	7.7 Rebreather assembly and checks	8
	7.8 Gas supply duration	9
	7.9 CO <sub>2</sub> absorbent duration	9
	7.10 Rebreather pre-water entry checks	9
	7.11 Advanced decompression dive planning	10
	7.12 Dive conduct	10
	7.13 Identifying and reacting to potential issues	11
	7.14 Hypercapnia, hypoxia and hyperoxia	12
	7.15 Buddy and team diving procedures	12
	7.16 Rebreather maintenance	13
	7.17 Maintaining knowledge and skills	13
<b>8</b>	<b>Practical skills</b>	<b>13</b>
	8.1 Skills review	13
	8.2 General	13
	8.3 Pre-dive procedures	14
	8.4 Dive conduct	14
	8.5 Emergency situations	15
	8.6 Response to rebreather malfunctions	15
	8.7 Post-dive procedures	16
<b>9</b>	<b>Instructors</b>	<b>16</b>
<b>10</b>	<b>Training equipment and materials</b>	<b>16</b>
	10.1 Training equipment	16
	10.2 Training materials	17
<b>11</b>	<b>Practical training parameters</b>	<b>17</b>
	11.1 Training dives or in-water sessions	17
	11.2 Instructor responsibilities	18

11.2.1	General .....	18
11.2.2	Instructor-to-student ratios for dives of 60 m or less.....	18
11.2.3	Instructor-to-student ratios for dives deeper than 60 m .....	18
11.3	Rebreather dive leaders .....	18
11.4	Breathing gas limits.....	18
11.4.1	Closed-circuit rebreather .....	18
11.4.2	Semi-closed rebreather .....	19
<b>12</b>	<b>Evaluation .....</b>	<b>19</b>
12.1	Knowledge .....	19
12.2	Skill evaluation.....	19
12.3	Proof of qualification .....	19
<b>Annex A (informative) Gas density and gas mixtures .....</b>		<b>21</b>
<b>Annex B (normative) Student crossover training programmes.....</b>		<b>23</b>
<b>Bibliography.....</b>		<b>24</b>