

## Appendix O

### MANNING LEVELS FOR DIVE TEAMS

NOTE: Manning level tables shown are a minimum. Actual manning levels may increase, as determined by the DDC, after considering the diving support systems, the task at hand, weather conditions, dive platform and location, and other factors. Team members may rotate through the dive team positions as long as the minimum manning levels are maintained and team members are qualified and accepted for the position.

#### 1. SCUBA – Untethered, 0 to 100 ft (0 to 30.5 m)

*Untethered SCUBA divers shall always be accompanied by another diver in continuous visual contact.*

When depth of dive is 0-100 ft (0-30.5 m), the minimum dive team will be composed as shown in Table O-1:

<b>TABLE O-1</b>	
<b><u>DIVE TEAM COMPOSITION</u></b>	
<b><u>SCUBA - Untethered, 0 to 100 ft (0 to 30.5 m)</u></b>	
<b>Personnel</b>	<b>Number</b>
Diving Supervisor	1
Divers (in visual contact)	2
Standby Diver*	1
<b>TOTAL TEAM</b>	<b>4</b>

#### 2. SCUBA – Tethered with communications, 0 to 100 ft (0 to 30.5 m)

When depth of the dive is 0-100 ft (0-30.5 m), the minimum dive team will be composed as shown in Table O-2:

<b>TABLE O-2</b> <b>DIVE TEAM COMPOSITION</b> <b>SCUBA – Tethered with communications,</b> <b>0 to 100 ft (0 to 30.5 m)</b>	
<b>Personnel</b>	<b>Number</b>
Diving Supervisor ***	1
Diver in water	1
Standby Diver* (tethered with communications)	1
Tender	1
<b>TOTAL TEAM</b>	<b>4</b>

### 3. SURFACE SUPPLIED AIR - 0 to 100 ft (0 to 30.5 m)

When surface supplied air is being used as the diving mode, the minimum dive team will be composed as shown in Table O-3:

<b>TABLE O-3</b> <b>DIVE TEAM COMPOSITION</b> <b>Surface Supplied Air, 0 to 100 ft (0 to 30.5 m)</b> <b>Within No Decompression Limits</b>		
<b>Personnel</b>	<b>Number</b>	<b>Penetration Dive</b>
Diving Supervisor ***	1	1
Diver	1	2
Standby Diver*	1	1
Tender	1	2
<b>TOTAL TEAM</b>	<b>4</b>	<b>6</b>

**Deploying the Standby Diver as a Worker Diver.** The Standby diver may be deployed as a working diver provided all of the following conditions are met:

1. Surface-supplied no-decompression dive of 60 fsw or less;

- 2. Same job/location, e.g., working on port and starboard propellers of the same vessel;
- 3. Prior to deploying the standby diver, the work area shall be determined to be free of hazards (i.e., suction, discharges) by the first diver on the job site;
- 4. The dive is NOT a penetration or confined space dive;
- 5. Each diver has a full-time tender (which brings the minimum number of team members to 5).

**4. SURFACE SUPPLIED AIR - 101 to 190 ft (30.8 to 57.9 m)**

When surface supplied air is being used as the diving mode, the minimum dive team will be composed as shown in Table O-4:

<b>TABLE O-4 DIVE TEAM COMPOSITION Surface Supplied Air, 0 to 100 ft Requiring Decompression and All Surface Supplied Air, 101 to 190 ft (30.8 to 57.9 m)</b>			
<b>Personnel</b>	<b>Dives within no decompression limits</b>	<b>Dives requiring decompression</b>	<b>Penetration Dive</b>
Diving Supervisor	1	1	1
Chamber Operator**	**/1	****/1	1
Diver	1	1	2
Standby Diver*	1	1	1
Tender	1	1	2
Standby Diver Tender	1	1	1
<b>TOTAL TEAM</b>	<b>5/6</b>	<b>5/6</b>	<b>8</b>

**5. SURFACE SUPPLIED MIXED GAS DIVING**

For surface supplied mixed gas diving, to include OEA (Nitrox, etc.), the minimum dive team will be composed as shown in Table O-5:

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15 Sep 08

<b>TABLE O-5 DIVE TEAM COMPOSITION Surface Supplied Mixed Gas Diving</b>			
<b>Personnel</b>	<b>Dives within no decompression limits</b>	<b>Dives requiring decompression</b>	<b>Penetration Dives</b>
Diving Supervisor	1	1	1
Chamber Operator**	**/1	****/1	1
Diver	1	1	2
Standby Diver*	1	1	1
Tender	1	1	2
Standby Diver Tender	1	1	1
<b>TOTAL TEAM</b>	<b>5/6</b>	<b>5/6</b>	<b>8</b>

Notes:

\* The standby diver will be rested and capable of performing emergency rescue assistance. When work is limited to no decompression limits, the standby diver shall be sufficiently free of residual nitrogen to allow for 25 minutes of bottom time at the working depth without exceeding "No Decompression Limits."

\*\* The competent chamber operator may be any non-diving member of the dive team when the chamber is only for emergency use when diving within the no-decompression limits. Saturation diving requires that a life support technician will serve as the chamber operator.

\*\*\* The supervisor may be the standby tender for dives under 100 ft (30.5 m).

\*\*\*\* The competent chamber operator may be any non-diving member of the dive team if all diving ceases during chamber decompression.