

**GI Part 79 Diving Operations
Compared With
29 C.F.R. 1910 Subpart T – Commercial Diving Operations**

**Also Look At:
CS Part 31 Diving Operations
OH Part 504 Diving Operations**

Summary: The significant differences between GI Part 79. Diving Operations and 29 C.F.R. 1910 Subpart T – Commercial Diving Operations are in:

- Procedures during dive; hand-held power tools and equipment
- Procedure during dive; termination of work interval
- Liveboating; conduct during certain conditions prohibited
- Equipment; record of modification, repair, test, calibration, or maintenance
- Equipment; breathing gas supply hoses
- Equipment; compressed-gas cylinders
- Decompression chambers; operation; construction requirements
- Equipment; gauges and time keeping devices

The comparisons show only those provisions where MIOSHA rules are different than OSHA or where MIOSHA rules are not included in 29 C.F.R.

****means there is a comparable OSHA rule to this paragraph

MIOSHA	OSHA
<p>R 408.17927 Pre-dive procedures; warning flag. Rule 7927. Any person who dives or submerges in any of the waters of this state with the aid of a diving suit or other mechanical diving device shall place a buoy or boat in the water at or near the point of submergence. The buoy or boat shall bear a red flag which is not less than 14 inches by 16 inches and which has a 3 1/2 -inch white stripe running from 1 upper corner to a diagonal lower corner. The flag shall be in place only while actual diving operations are in progress. A vessel shall not be operated within 100 feet of a buoyed diver's flag unless it is involved in tending the diving operation. A person who is diving shall stay within a surface area of 100 feet of the diver's flag.</p>	<p>1910.422 Pre-dive procedures. (h) Warning signal. When diving from surfaces other than vessels in areas capable of supporting marine traffic, a rigid replica of the international code flag "A" at least one meter in height shall be displayed at the dive location in a manner which allows all-round visibility, and shall be illuminated during night diving operations.</p>
<p>R 408.17932 Procedures during dive; hand-held power tools and equipment. Rule 7932. (1) Tools and equipment shall be qualified for underwater use. (2) to (4)**** (5) The welding machine frame shall be grounded and a ground wire shall be connected directly to the work. (6) to (8)****</p>	<p>No comparable OSHA provision Equivalent 1910.422 (g) Welding and burning (2) The welding machine frame shall be grounded. Equivalent</p>

MIOSHA	OSHA
<p>R 408.17934 Procedure during dive; termination of work interval. Rule 7934. The working interval of a dive shall be terminated when any 1 of the following situations occurs:</p> <p>(a) to (d)****</p> <p>(e) When the scheduled work interval has expired.</p>	<p>Equivalent</p> <p>No comparable OSHA provision</p>
<p>R 408.17945 Liveboating; conduct during certain conditions prohibited. Rule 7945. Diving operations that involve liveboating shall not be conducted during any of the following conditions:</p> <p>(a) to (c)****</p> <p>(d) In rough seas with a wave height of more than 3 feet.</p> <p>(e)****</p>	<p>Equivalent</p> <p>1910.427 Liveboating (b) Limits (4) In rough seas which significantly impede diver mobility or work function.</p> <p>Equivalent</p>
<p>R 408.17952 Equipment; breathing gas supply hoses. Rule 7952. (1) Breathing gas supply hoses shall be in compliance with all of the following provisions:</p> <p>(a) to (c)****</p> <p>(d) Be tensile tested before being placed into initial services and after any repair, modification, or alteration by subjecting each hose-to-fitting connection to a 200-pound axial load and by making a visual examination for evidence of separation, slippage, or other damage to the assembly.</p> <p>(e) Be inspected before each diving operation for cuts, kinks, soft spots, or bubbles.</p> <p>(1)(f) to (2)(c)****</p>	<p>Equivalent</p> <p>No comparable OSHA provision</p> <p>Equivalent</p>
<p>R 408.17955 Equipment; compressed-gas cylinders. Rule 7955. A compressed-gas cylinder shall be in compliance with all of the following provisions.</p> <p>(a) to (d)****</p> <p>(e) Be subjected to internal inspection for rust and corrosion not less than annually.</p>	<p>Equivalent</p> <p>No comparable OSHA provision</p>

MIOSHA	OSHA
<p>R 408.17956 Decompression chambers; operation; construction requirements. Rule 7956. (1) to (10)****</p> <p>(11) A decompression chamber shall be equipped with all of the following:</p> <p>(a) to (e)****</p> <p>(f) A sound-powered telephone system or other emergency backup communication systems.</p> <p>(g) A means of operating all installed man-way locking devices from both sides of a closed hatch.</p> <p>(h) A capability to supply breathing mixtures at the maximum rate required by all occupants that is sufficient to maintain the interior atmosphere below 2% surface equivalent carbon dioxide by volume.</p> <p>(i) A means of overriding and controlling, from the exterior, all interior breathing and pressure supply controls.</p> <p>(j) Electrical equipment which is installed inside the chamber and which shall be explosion-proof.</p>	<p>Equivalent</p> <p>Equivalent</p> <p>No comparable OSHA provision</p>
<p>R 408.17957 Equipment; gauges and time keeping devices. Rule 7957. (1) to (2)****</p> <p>(3) A timekeeping device shall be available and monitored at each surface-supplied dive location.</p> <p>(4)****</p> <p>(5) A timekeeping device shall be worn by each scuba diver in a position that can be monitored by the diver.</p>	<p>Equivalent</p> <p>(g) Gauges and timekeeping devices. (4) A timekeeping device shall be available at each dive location.</p> <p>Equivalent</p> <p>No comparable OSHA provision</p>

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