

## SECTION EIGHT: EMERGENCY PROCEDURES

### EXTREME LIGHTWEIGHT DIVING SYSTEM EMERGENCY PROCEDURES

#### KM HELMETS, BAND MASKS, FULL FACE MASKS

#### EP-4

6-13-11

#### EP-4: Entangled Umbilical

Symptoms: Diver reports umbilical hopelessly entangled.

*Note: Standard practice with an entangled umbilical is to deploy the standby diver with a second umbilical to attach to the effected diver. The XLDS system uses an umbilical that attaches to the ICS using a quick connect fitting. The XLDS emergency cylinder system interfaces with the rest of the system, using the same quick connect fittings. Because of this, a standard XLDS EGS regulator uses the same Quick Connect fitting. An 80 cubic foot cylinder can be used as a gas source as long as the diver is tied into the rescue diver or attached to a retrieval line.*

#### **Action by the Diver:**

1. Reports entangled and requires the assistance of standby diver.

#### **Action by Topside:**

1. Deploy standby diver with a quick connect EGS system with a minimum of an 80 cubic foot cylinder.
2. Standby diver shackles in retrieval line or buddy line to the effected diver.
3. Standby instructs topside to put diver on the diver EGS system.
4. When instructed by topside, standby diver disconnects the umbilical and reconnects to the ICS the EGS and emergency cylinder.
5. The Standby diver assists the effected diver to the surface utilizing tender support.

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