

# **TDI Advanced Nitrox Diver - Skills**

## **Land Drills**

Review of Nitrox Skills

Demonstrate correct use of oxygen analyzer including optimal procedure for calibration

Demonstrate adequate pre-dive planning

A.Limits based on personal gas consumption.

B.Limits based on oxygen exposures at planned depth with actual mix.

C.Limits based on nitrogen absorption at planned depth with actual mix.

Calculate and Log CNS loading for each dive including cumulative exposure where appropriate

Demonstrate understanding of gas labeling

Demonstrate adherence to conventions regarding prep of equipment for Oxygen service

Program nitrox computer with appropriate oxygen percentage if used

Properly execute the planned dive within all pre-determined limits.

Satisfactorily complete the TDI Advanced Nitrox Course written examination.

Complete all open water requirements safely and efficiently.

Demonstrate mature, sound judgment concerning dive planning and execution.

## **Inwater Drills**

Demonstrate buoyancy control (ability to hover at fixed position in water column without moving hands or feet)

Show good awareness of buddy and other team members through communications, proximity and team oriented dive practices

Demonstrate ability to manage freeflow from primary regulator in controlled fashion (shutdown cycle), and switch to back-up regulator.

Conduct appropriate safety stop while maintaining neutral buoyancy

Demonstrate ability to share "air" with buddy as both recipient and donor in a controlled manner while maintaining position in water column.

Demonstrate correct body position (appropriate trim, such as horizontal / streamlined when moving forward)

Demonstrate proper stress analysis with self and team mates