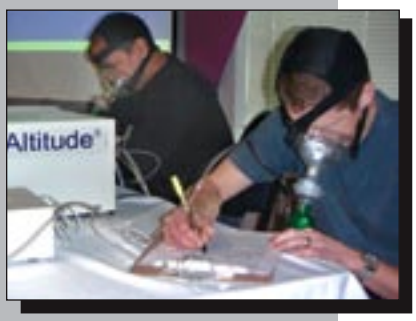
FACTS

Hypoxia Awareness Training

Onsite Hypoxia Awareness Training

The **FACTS® Hypoxia Awareness Training** is a fast-paced program, conducted at the client's hangar, specifically designed to provide a safe means for crewmembers to personally experience the signs, symptoms, and effects of high altitude hypoxia. The program, including both classroom instruction/discussion and hands-on experience with the FACTS ROBD™ (Reduced Oxygen Breathing Device), provides pilots, flight techs, flight attendants and frequent flyers the opportunity to experience a "decompression" without the potentially harmful side-effects of a decompression chamber.**



This program can be offered twice in a day to accommodate busy flight department schedules. Each crewmember receives a workbook and a High Altitude Hypoxia Awareness Training certificate upon successfully completing the program.

FACTS Hypoxia Awareness Training curriculum includes:

- Accident/Incident review
- Atmosphere & Composition *(Temperature • Pressures • Altitude Zones)*
- Physiology / Oxygen Saturation / Effects of Altitude
- Stress
- Hypoxia and Human Factors
- Aircraft Pressurization
- Decompression / TUF / TUC / EPT
- Gas and Decompression Sickness
- Oxygen Equipment
- Crew Duties / Commands
- Reduced Oxygen Breathing Device*
- Cognitive Testing
- Symptom Recognition
- Ozone & Radiation

* Using the FACTS ROBD™, each participant experiences the effects of an artificial decompression approaching 30,000 MSL. This exercise provides the crewmember with a heightened awareness of their own signs and symptoms of hypoxia without the potential risks of a decompression chamber.**

"Most of the pilots surveyed agreed that all pilots should receive introductory hypoxia training (92%), recurrent hypoxia training (86%), initial ACT (85%), and recurrent ACT (70%).
"*Source: Aviation, Space, and Environmental Medicine, April 2005, vol. 76, no. 4, pp. 392-394(3)*

**Altitude simulation using such a reduced oxygen breathing technique provides a safe, convenient and cost-effective way to familiarise medical and paramedical personnel and aviators with the potentially dangerous effects of hypoxia, their individual response to it, and the brevity of the time of useful consciousness available in an emergency under hypoxic conditions."
Source: ADF Health, 2005, vol. 5, pp. 11-15

Training Regulations

FAR §135.331 Pilot and flight attendant crewmember training programs.
(d) Crewmembers who serve in operations above 25,000 feet must receive instruction in the following: (1) Respiration; (2) Hypoxia; (3) Duration of consciousness without supplemental oxygen at altitude; (4) Gas expansion; (5) Gas bubble formation; (6) Physical phenomena and incidents of decompression.

FAR §121.417 Training Programs
(e) Crewmembers who serve in operations above 25,000 feet must receive instruction in the following: (1) Respiration; (2) Hypoxia; (3) Duration of consciousness without supplemental oxygen at altitude; (4) Gas expansion; (5) Gas bubble formation; (6) Physical phenomena and incidents of decompression.

A Division of AirCare Solutions Group
324 West Bay Dr NW, Suite 200
Olympia, WA 98502
Tel: 360/754-9805 • Fax: 360/754-1911
www.factstraining.com

FACTS TRAINING INTERNATIONAL
Crewmember Emergency Training