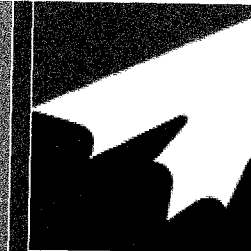
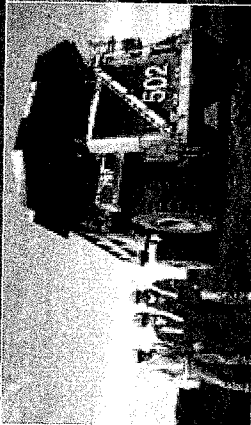


Tab 3

CAPP CANADIAN ASSOCIATION
OF PETROLEUM PRODUCERS



HUEBA Task Force HUEBA Implementation



May 2009

Helicopter Underwater Emergency Breathing Apparatus (HUEBA)



- **A HUEBA is a safety device designed to provide the user with an additional capacity of breathable compressed air while underwater so that he or she has more time to escape from a partially or totally submerged helicopter**
- **A compressed air device chosen as the most suitable device for use in Atlantic Canada based on extensive review of different types of HUEBA by the offshore petroleum industry and CNSOPB and C-NLOPB**
- **Key features of compressed air HUEBA:**
 - Ease of training
 - Ease of use
 - Ability to deploy before or after water submersion
 - Compatibility with the existing suits

Background



- **CAPP received direction from regulator to investigate using a device (2001)**
- **CAPP task force choose compressed air device, EPG endorsement to proceed with implementation (2004)**
- **Risk Assessment conducted for compressed air (2005)**
- **CAPP facilitated forum with world experts in underwater egress in Halifax: device identified as *best available technology* – required medical review of use in training (2006)**
- **CAPP received independent expert medical opinion (2006)**
- **CAPP offshore medical team reviewed opinion and agreed with advice (based on 1.8m & 1m)**

Background, con't



- **Multi-stakeholder team (TIs, helo companies, operators, CAODC) commenced implementation (suits, TDG, procurement, etc.)**
- **Operators debated training with the device (HUET or 1 metre – considerations: appropriate training, X-ray, PFT)**
- **CAPP offshore medical team extended medical advise to require x-ray & PFT for training 1 m (not in HUET)**
- **Operators sent a team that included regulators to review device and training in UK, Norway and the Netherlands (Nov 08)**
- **Team endorsed compressed air device and recommended training at surface (Dec 08)**
- **EPG directed multi-stakeholder team to complete implementation package for review (training & communications plan)**
- **Implementation plan approved:**
 - In NS device in use as of April 27, 2009
 - In NL device in use as of date to be determined

Helicopter Underwater Emergency Breathing Apparatus (HUEBA) Helicopter Suit & HUEBA



- **Helly Hansen Helicopter Suit E-452**

