



WellCAP®

IADC WELL CONTROL ACCREDITATION PROGRAM

BULLETIN 06-03

September 2006

This Bulletin is issued to all WellCAP Accredited Providers and other interested parties.

COILED TUBING REVISIONS REINSTATED

The IADC Well Control Committee has reinstated the revised Coiled Tubing Curriculum for Supervisory and Fundamental stand-alone courses and clarified the guidelines for combination courses containing Coiled Tubing instruction.

The Supervisory Level Curriculum is available on the IADC web site in Form WCT-2CTS; the corresponding Cross-Reference Application Tool is WCT-2CTF-S. The Fundamental Level is available on the IADC web site in Form WCT-2CTF; the corresponding Cross-Reference Application Tool is WCT-2CTF-X. All of these documents are labeled Revision 060504.

Stand Alone Coiled Tubing Courses (Supervisory and Fundamental levels)

The Curriculum Guidelines for stand-alone courses at both the Supervisory and Fundamental Levels focus on well control practices for Coiled Tubing well servicing operations performed through the Christmas tree. The curriculum is structured to identify job skills for Coiled Tubing operations performed in both onshore and offshore environments.

Supervisory Level – 36-hour stand-alone course

A stand-alone Supervisory Level course requires a minimum of 36 hours of instruction. The target audience for the Supervisory Level is *Coiled Tubing unit Supervisor*.

Fundamental Level – 20-hour stand-alone course

A stand-alone Fundamental Level course requires a minimum of 20 hours of instruction. The target audience for the Fundamental Level is *Coiled Tubing unit Operator, Pump Operator, and Choke Operator*.

Operator Representatives

It is recommended that operator representatives complete either a stand-alone Supervisory Coiled Tubing Well Control training course or a combination course which includes Coiled Tubing well control training topics and otherwise meets the requirements of a WellCAP Supervisory Level course as discussed below.

Coiled Tubing Instruction Provided in a Combination Course

Course with one other Curriculum Type

When Coiled Tubing well control training is combined with one other WellCAP training curriculum (example: Drilling only), at least **eight hours** of additional instruction time should be applied to Coiled Tubing activities. Such a course should include the Supervisory Level training topics listed below:

- I. *Reasons for Performing Coiled Tubing Operations*
 - A. *Definition of Coiled Tubing Operations*
 - B. *Reasons for Performing Coiled Tubing Operations*
- V. *Drilling, Completion and Workover Fluids*
 - C. *Nitrogen Gas*
- VI. *General Overview of Surface and Subsurface Wellbore*
 - D. *Safety Systems and Emergency Shutdown Devices (ESD's)*
- VII. *Overview of Coiled Tubing Equipment*
 - A. *Coiled Tubing Equipment*
 - B. *Stripper (Pack-Off) Assemblies*
 - C. *Well Control Stack Rams*
 - D. *Additional Well Control Equipment*
 - E. *Chokes and Choke Manifolds*
 - F. *Accumulators*
 - G. *Coiled Tube Limitations*
 - H. *Fluid Measuring Devices (if not covered in other curriculum)*
 - I. *Gas Detection and Handling Systems (if not covered in other curriculum)*
- IX. *Procedures*
 - C. *Well Control Drills (CT Operation Contingencies)*
- XII. *Coiled Tubing Service Complications and Solutions*
 - A. *Collapsed Coiled Tubing*
 - B. *Pneumatically-Controlled Valves*
 - E. *H₂S Considerations*
 - F. *Operations with Specific Well Control Concerns*

Course with more than one Curriculum Type

When Coiled Tubing well control training is added to a WellCAP course combining at least two other curriculum types (example: Drilling and Workover & Completion), at least **five hours** of the total instruction should be applied to Coiled Tubing activities. The combined course should include the Supervisory Level topics shown below:

- I. *Reasons for Performing Coiled Tubing Operations*
 - A. *Definition of Coiled Tubing Operations*
 - B. *Reasons for Performing Coiled Tubing Operations*
- V. *Drilling, Completion and Workover Fluids*
 - C. *Nitrogen Gas*
- VII. *Overview of Coiled Tubing Equipment*
 - A. *Coiled Tubing Equipment*
 - B. *Stripper (Pack-Off) Assemblies*
 - C. *Well Control Stack Rams*

- D. Additional Well Control Equipment*
 - C. Chokes and Choke Manifolds*
 - D. Accumulators*
 - E. Coiled Tube Limitations*
 - F. Fluid Measuring Devices (if not covered in other curriculum)*
 - G. Gas Detection and Handling Systems (if not covered in other curriculum)*
- IX. Procedures
- C. Well Control Drills (CT Operation Contingencies)*

Training Provider Implementation

Stand-Alone Courses -- Training Providers currently offering stand-alone Coiled Tubing courses at the Fundamental or Supervisory Levels must incorporate the revised curriculum guidelines into their curriculum no later than **30 March 2007**. Providers who have not modified stand-alone course offerings or obtained conditional approval for a course under review by this time may be found to be in non-conformance with WellCAP requirements.

Providers seeking approval for a new stand-alone Coiled Tubing course instruction should ensure that the application reflects adherence to the requirements at the Fundamental and/or Supervisory Levels as appropriate.

Combination Courses – Training Providers currently offering approved combination courses including Coiled Tubing instruction at the Fundamental or Supervisory Levels must incorporate the required portions of the revised curriculum guidelines into their curriculum no later than **30 March 2007**. Providers who have not modified stand-alone course offerings or obtained conditional approval for a course under review by this time may be found to be in non-conformance with WellCAP requirements.

Providers seeking approval for a new combination course including Coiled Tubing instruction should ensure that the application reflects the inclusion of the sections outlined above as required.

ADVISORY TO OPERATORS AND CONTRACTORS UNDER US MMS JURISDICTION

The revised Coiled Tubing requirements and availability of stand-alone course providers may impact Operator and Contractor Subpart O Training Plans. Operators and Contractors are urged to review their plans frequently and to revise accordingly to ensure continued compliance with Subpart O Requirements.