



WellCAP®

IADC WELL CONTROL ACCREDITATION PROGRAM

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This bulletin is issued to all schools that are accredited or are now in the process of completing an Application for Accreditation.

COILED TUBING CURRICULUM REVISIONS

The IADC Well Control Committee has issued revised Coiled Tubing Curriculum at the Fundamental and Supervisory Levels. The Fundamental Level Curriculum is available on the IADC web site in Form WCT-2CTF; the corresponding Cross-Reference Application Tool is WCT-2CTF-X. The Supervisory Level is available on the IADC web site in Form WCT-2CTS; the corresponding Cross-Reference Application Tool is WCT-2CTF-S. All of these documents are labeled Revision 050913.

The Curriculum Guidelines for stand-alone courses at both the Fundamental and Supervisory 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.

A stand-alone Fundamental level course requires a minimum of 20 hours of instruction. A stand-alone Supervisory Level course requires a minimum of 36 hours of instruction. The target audience for the Supervisory Coiled Tubing Well Control Operations course includes coiled tubing unit supervisors and operator representatives.

It is recommended that coiled tubing service personnel (supervisor, operator, pump operator and choke operator) complete a stand-alone coiled tubing well control training course. It is recommended that operator representatives complete either a stand-alone Supervisory Coiled Tubing Well Control training course or through a combination course which includes coiled tubing well control training topics and otherwise meets the requirements of a WellCAP Supervisory Level course.

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*
- 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)*

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- 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*
 - C. H₂S Considerations*
 - D. Operations with Specific Well Control Concerns*

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 additional 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*
- 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*
 - 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)*