

International Association of Drilling Contractors (IADC)

WellSharp

The Changing Face of
Well Control Training



Well Control Training History

- 1995 - In response to industries desire for an industry driven well control standard WellCAP was created
- 1997 Workover & Completion was added to WellCAP
- 2001—Coiled Tubing, Snubbing, Wireline Operations, and Underbalanced Operations added
- 2002—Deepwater topics incorporated into subsea guidelines

Well Control Training History

- 2002—Introductory Level (Drilling) revised
- 2003—Introductory Level (Well Servicing) revised
- 2005—WellCAP “Plus” implemented
- 2006—Coiled Tubing Curriculum revised
- 2007—Snubbing Curriculum revised
- 2012 —Supervisor Curriculum revised

Well Control Training History

2015 - Introduction of WellSharp

Why the Change

- Industry stakeholders saw a clear need for:
 - Improved technical knowledge and skill
 - Improved and consistent human behaviors
 - Improved process integrity
- Respond to OGP 476

Response

- Industry demanded more effective training:
 - Courses focused on what employees need to know
 - Develop training for all employees with well control responsibilities
 - Improve the integrity of the knowledge assessment
 - Implement independent proctoring
 - Wounded Warriors
- Increase focus on auditing
 - Eliminate certificate mills

Changes to the Standard

New Training Courses

WellCAP	Becomes	WellSharp
X		Awareness
Introductory		Introductory
Fundamental		Driller
Supervisor		Supervisor
X		Engineer

Changes to the Standard

Course Requirements

Course	Recommended / Required
Awareness	Recommended
Introductory	Recommended
Driller	Required
Supervisor	Required
Engineer	Required

Changes to the Standard

Course Length & Recertification

Course	Length	Recertification
Awareness	4 hrs	None
Introductory	16 hrs	5 years
Driller-Surface	24hrs	2 years
Driller-Subsea	24hrs	2 years
Driller-Combined	29 hrs	2 years

Changes to the Standard

Course Length & Recertification

Course	Length	Recertification
Supervisor-Surface	24 hrs	2 years
Supervisor-Subsea	24 hrs	2 years
Supervisor-Combined	29hrs	2 years
Engineer-Surface	24 hrs	5 years
Engineer-Subsea	24hrs	5 years
Engineer-Combined	29 hrs	5 years

Changes to the standard

- Training designed for specific job and well control responsibilities
 - Drillers attend Driller course
 - Can take Supervisor course after Driller course is passed
 - Supervisors attend Supervisor course
- **Driller and Supervisor courses taught separately**

Changes to the standard

- Electronic knowledge testing system
 - Online testing
 - Offline e-testing
 - Centralized and controlled question database
 - Questions randomized and answers shuffled
 - Surveys
 - Metrics

Changes to the standard

- **Independently** proctored assessments
 - Lloyds Register
- Strengthened Instructor qualification requirements
 - Knowledge test