

The DS-1® Third Edition School

Available exclusively from T H Hill, The DS-1® Third Edition School will give you a practical, integrated approach for managing the integrity of your drill string structure. The three volumes of DS-1® Third Edition serve as the foundation for this three day school, and what you learn will revolutionize your approach to failure prevention.

Manufacturing

- Manufacturing levels – Standard and Critical
- How to order drill stem components
- Metallurgical properties
- Manufacturing constraints
- New pipe grades (Z and V)
- Standardized HWDP dimensions, weights and properties
- Standardized thick-walled drill pipe dimensions, weights and properties
- Relationships to other industry standards, private and public

Inspection

- How to set an inspection program
- Rig floor trip inspection for drill stem wear
- How to estimate accumulated fatigue damage
- New features for the DS-1® Inspection Standard in Third Edition
 - Inspecting fishing tools
 - Recutting and gaging rotary shouldered connections
 - Residual MPI inspection method
 - Full-length ultrasonic 1 inspection
 - Full-length ultrasonic 2 inspection
 - Establishing traceability on drill stem components

Design & Operation

- Using Design “Groups”
- Integrating design needs with other drilling objectives
- Setting design constraints and design factors
- Performing an overload design
- Performing a fatigue design
 - Applying design factors
 - Selecting BHA types
 - Effects of BHA type on hydraulics, torque, drag and buckling tendency
 - Configuring upper BHA's
 - Use of fatigue design constraints BSR, SR, Curvature Index (CI), Stability Index (SI)
- Comparative design for fatigue prevention
- Maximum recommended slip cut severity
- Using NC56 connections in 8-inch BHA's
- Proper stress relief dimensions
- Proper jar placement
- Monitoring and mitigating corrosion
- Monitoring and mitigating BHA vibration
- Predicting and managing buckling

Course Materials

You will receive the complete DS-1® three volume set (\$600.00 value):

- Volume 1 – Drilling Tubular Product Specification
- Volume 2 – Drill Stem Design & Operation
- Volume 3 – Drill Stem Inspection, plus our detailed course workbook and a copy of our Drillstring Toolbox™ software (\$1,095.00 value)



Use all three volumes to integrate your drill string design and management.

Casing Failure Prevention - The School

A sound design is just the first step in preventing casing failures. Even the best casing design can fail without proper specification, inspection and handling practices. We created Casing Failure Prevention to provide you the tools to address these key areas before you set your casing. Contact us today to enroll in our Casing Failure Prevention School, and learn to go beyond design to dramatically reduce the risk of high-cost casing failures.

Going Beyond Design

- The three broad conditions you must meet to prevent casing failure
- The single most common cause of casing failure and how to address it
- The three ways a casing connection can fail, and the steps to take to avoid each
- How certain thread gauging practices can cause connection leaks
- Key considerations for selecting material for sour and corrosive service
- The four connection makeup methods and when to use (and not use) each
- How to specify an inspection program that meets the requirements of your well

Additional Topics

- Yield Strength, tensile strength, ductility and toughness properties
- Manufacturing flaws and tolerances
- API codes and specifications
- Interference, shouldered and combination connections
- Casing inspection processes
- Connection sealing principles

Course Materials

Each participant will receive Casing Failure Prevention course material and a copy of the casing specification API 5CT.

Enrollment Information

To register for The DS-1® Third Edition School or Casing Failure Prevention, email us at training@thhill.com or register online at www.thhill.com.

2010 Course Dates

The DS-1® Third Edition School

Mar 8-10	Houston	\$2500
Apr 11-13	Abu Dhabi	\$3150
Apr 19-21	Houston	\$2500
Apr 26-28	Calgary	\$3000
May 10-12	Perth	\$3100
May 17-19	Houston	\$2500
Jun 21-23	Kuala Lumpur	\$3000
Jul 19-21	Buenos Aires ¹	\$3150
Aug 2-4	Houston	\$2500
Aug 23-25	Rio de Janeiro	\$3150
Sep 6-8	Stavanger	\$3150
Sep 13-15	Houston	\$2500
Sep 20-22	Pittsburgh	\$2750
Sep 27-29	Jakarta	\$3000
Oct 18-20	Houston	\$2500

DS-1® sponsor companies receive a 20% discount on Third Edition public training rates.

Casing Failure Prevention

Apr 14-15	Abu Dhabi	\$1700
Apr 22-23	Houston	\$1300
Apr 29-30	Calgary	\$1600
May 13-14	Perth	\$1650
Jun 24-25	Kuala Lumpur	\$1600
Jul 22-23	Buenos Aires ¹	\$1700
Aug 26-27	Rio de Janeiro	\$1700
Sep 9-10	Stavanger	\$1700
Sep 23-24	Pittsburgh	\$1450
Sep 30-Oct 1	Jakarta	\$1600
Oct 21-22	Houston	\$1300

Receive a 15% discount if taken in conjunction with the DS-1® Third Edition School.

¹The Buenos Aires courses will offer simultaneous translation from English to Spanish.

All prices shown are in U.S. Dollars.

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The DS-1® Third Edition School

Also, address your concerns about casing integrity with our newest course offering: Casing Failure Prevention.

RAISE YOUR STANDARDS.
WE RAISED OURS.

THIRD EDITION