



DE414-3D: Seismic Acquisition Project Management

Training Description:

Existing training courses and books with the title 'seismic acquisition' typically deal with designing seismic surveys, and sometimes also with processing and evaluation of the acquired data.

Design: Although I treat design in a somewhat less conventional way, it is an important part of this course too, but other equally important subjects receive equal attention.

These are:

Clients: We need to know who our clients are and understand what they want and why they want it. Without them and their support we won't have a project, and there will be no point designing a seismic survey.

Finance: It would be unfortunate to have the best possible design in the world that will achieve your clients' objectives and find out that it is too expensive and the company will not set a budget aside for it.

Procurement: A seismic survey is usually not bought "off the shelf". We need to identify companies that can carry out the seismic survey according to our design and our HSE requirements. We need to sign a contract with the company that we select to do the work. The course will also look at this from the perspective of seismic companies.

Scouting: In order to come up with a good design that is not too expensive it is essential to scout the area where seismic data is to be acquired. Scouting costs relatively little and helps to avoid unpleasant and expensive surprises during execution.

Communities: For the duration of the survey, and in case of success for many years thereafter, we will be co-habitants of the area together with the people who have lived there for generations. Those people can and often will have a significant influence on the project and can make it impossible to complete it.

Execution: Even with good preparation, unexpected things will happen when the work in the field starts, making life more complex and more interesting. When a crew of 1000 people is at work or a 10 streamer vessel is acquiring data there is little room for mistakes and not much time to decide what to do.

Equipment: Equipment changes faster than any of the other elements in this course. Ever since the beginning of seismic acquisition these changes have been towards larger quantities, better quality and lower prices for seismic sources and receivers. This process is expected to continue and the equipment used today may be very different from equipment that will be used in the seismic industry 10 years from now.

Project management and Safety: These are the two pillars on which any good project rests. Good project management includes good safety management. One could even argue that the two are largely the same. Seismic acquisition is an industry where significant hazards exist and serious accidents still happen. These can and must be avoided.

Training Objectives:

By the end of the course, participant will be able to have:

- ✓ Better understanding the goals of clients of seismic surveys
- ✓ Better preparing for a seismic survey, through scouting
- ✓ Making a better design of the survey

- ✓ Learning how to improve relations with people living in the area of the seismic survey
- ✓ Better managing the financial aspects of a seismic survey

Training Requirement:

“Hand’s on practical sessions, equipment and software will be applied during the course if required and as per the client’s request.” (This hands-on, highly-interactive training includes simulator, real-life case studies and exercises).

Contents can be adapted to your specific wishes. It is therefore possible to focus on specific modules of the training course as per client’s learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

Training Program:

THREE DAYS:

- ❖ Introduction
- ❖ Clients
- ❖ Scouting
- ❖ Design
- ❖ Procurement
- ❖ Safety
- ❖ Communities
- ❖ Execution
- ❖ Finance
- ❖ Equipment
- ❖ Project management
- ❖ Outro
- ❖ Course Conclusion
- ❖ POST-TEST and EVALUATION

Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:

- 30% Lectures, Concepts, Role Play
- 70% Workshops & Work Presentations, Techniques, Based on Case Studies & Practical Exercises, Gamification, Software & General Discussions
- Pre and Post Test

Training Certificate(s):

CMCT Internationally recognized certificate(s) will be issued to each participant who completed the course.

Training Fees:

TBA as per the course location - This rate includes participant’s manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01st of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.

Training Timings:

Daily Timings:

07:45 - 08:00	Morning Coffee / Tea
08:00 - 10:00	First Session
10:00 - 10:20	Recess (Coffee/Tea/Snacks)
10:20 - 12:20	Second Session
12:20 - 13:00	Recess (Prayer Break & Lunch)
13:00 - 14:00	Last Session

For training registrations or in-house enquiries, please contact:

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