



TECHNICAL AUDIT & QC

BACKGROUND

Kappa Offshore Solutions' experts gather many decades of field experience in seismic data acquisition. We acquired thorough and comprehensive knowledge of all kind of equipment and systems involved in the acquisition process.

Today, we put this expertise at your disposal to carry out any kind of third-party audit or system quality control.

SCOPE OF SERVICE

Our Technical audit & QC services encompass a full range of tests and measurements performed by skilled and experienced engineers in order to ensure the optimal functioning of all critical equipment and to avoid procedural errors.

We aim to provide short and long term solutions to any fault we detect and we propose continual improvement measures leading to better data quality and safest operations.

At last we guarantee a full commitment to Health, Safety and Environment policies, in line with highest Oil & Gas industry standards.

FIELD OF EXPERTISE

2D, 3D and 4D Marine seismic
Ocean Bottom Cable
Ocean Bottom Nodes
Transition Zones



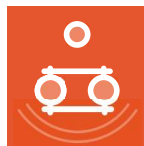
RECORDING

Parameters check • Configuration check • Full Instrument test • SegD Verification • Timing Diagram check (with oscilloscope) • Sample rate Accuracy check



STREAMER

Streamer general condition inspection • Balancing verification • Full sensor tests • Sensitivity Verification • Depth controllers check (by calibrated manometer)



GUN ARRAY

Geometry check • Gun position check (click test) • Near-field hydrophone position/polarity check (tap test) • Near-field hydrophone response • Leakage check (drop test) • Gun volume check (bubble test) • Umbilical status check (analogue system) • Depth transducer check (by calibrated manometer)



GUN CONTROLLER

Parameter check • Configuration check • Timing diagram check (with oscilloscope)



NAVIGATION & POSITIONING

Offset measurements • Positioning chain check
Sensor check • First line QC • Timing diagram check (with oscilloscope)