



vi. STREAMER TRACKING SYSTEM III

The Streamer Tracking System (STS III) is a marine data gathering system that acquires and processes magnetic heading and streamer depth data from digital compasses and depth transducers located on the streamer. Processed data is displayed on video terminals, transmitted to the CMS III for recording on magnetic tape and written to the ADL to provide quality control in real time. Additional information relating to the attitude of the streamer is also recorded on magnetic tape. In the case of a 3-D survey, this information is combined with navigation data at post-processing to establish geographical co-ordinates of all parts of the streamer at each shotpoint in the survey.

A number of parameters are entered into the system prior to commencing the survey to define the streamer and source configuration. The parameters are used in real-time for streamer tracking and are also written to tape for post-processing. A maximum combination of twenty depth and heading sensors may be displayed at any given time. The key parameters are listed earlier in this report.