



## viii(a) STREAMER DEPTH CONTROL NETWORK DESCRIPTION Cont.

Each unit supports a variety of functions, including:

- Setting streamer running depth
- Reporting current depth, heading and temperature
- Reporting battery usage in hours and minutes
- Reporting wing angle with a resolution of 0.01 degree

Using a seawater port in the tail, the controller monitors depth over a range of 0 to 61 metres, with a resolution of 0.03 metres. Once programmed with an operating depth, the controller operates autonomously to apply sufficient force to the externally mounted wings to control the streamer depth. In addition, the control algorithm parameters may be altered under software control to respond to changing environmental or operational conditions. These changes may be made while the controller is either in or out of the water. Emergency surface or emergency dive facilities are provided in the 293 operator station.