Abstract

Integrated bathymetry survey is only available technique to ascertain the capacity and the life of the reservoir. As the existing data collection process faces challenges regarding data logging in terms of equipment and its security a wireless data logging technology have been studied and its advantage over the existing system is proposed in this paper. This paper presents a description of the existing wireless technologies and tries to compare them with respect to which technology provides a better solution to build a wireless access infrastructure for the above said case study. One of the popular case study describing wireless communication standards and line coding techniques evaluating their main features and behaviours in terms of various metrics including the transmission time, complexity, and power consumption have been described. It is believed that the comparison presented in this paper would benefit the engineers in selecting an appropriate protocol for the Bathymetry survey application.

References

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Index Terms

Computer Science  Communication

Keywords

Wireless Data Transmission  Zigbee  Line Coding Techniques