Abstract

In modern receiver control applications achieving real time response is most important. The paper is a part of software development for CSM controller system. In this paper a real time application, for controlling SCAN/DF receiver simulator will be implemented using POSIX socket APIs on VxWorks RTOS and process the data from the Scan/DF receiver subsystem. The processed data can be used to develop a database for electronic order of battle. This application will be able to interact with receiver using socket APIs, to exchange command and data packets. TCP/IP based socket APIs will be used to realize the application.

References

1. D.curtis schleher “introduction to electronic warfare", December 1,1986
4. Compact CHAMP-AV IV QUAD POWERPCTM (SCP-424) user manual
5. Richard stevens “UNIX Network programming” VOL 1 third edition

Index Terms

Computer Science Software Engineering

Keywords

Client, Electronic Warfare (EW), POWERPc, Scan/DF receiver, Server, TCP/IP Sockets, VxWorks RTOS.