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

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4. Compact CHAMP-AV IV QUAD POWERPCTM (SCP-424) user manual
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Index Terms

Computer Science

Software Engineering

Keywords

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