Abstract

Count Down time (CDT) is of crucial importance during launch of flight vehicles like Missile, UAVs in a test Range. A Remote tracking station is not able to know about status of Count Down activities without seeing CDT. Conventional CDT systems are hardware based. These systems are bulky, costly and very difficult to reconfigure. This paper discusses about software based Count down Time generator application which can run on any desktop or laptop. This application is GUI based which takes inputs from the users and generates the Countdown Time. The generated CDT is transmitted into the network using multicast technology which is received and displayed by Multicast CDT Readers deployed over the network. As this application is completely software based hence it can be configured to run on any of the Desktops or laptops which are easily portable. As delay and time jumps are crucial issues in Range Timing hence special mechanism are applied to address them.
Design and Development of PC based Multicast Count down Time Generator and Receiver Application for Supporting Timing activities at Test Range during Missions

References


Index Terms

Computer Science
Information Sciences
Keywords
Range Timing  Application Level Multicasting  Socket Programming  Count Down Time

Gui Design In Qt.