

AN INTEGRATED COMMUNICATION, NAVIGATION, IFF SYSTEM

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ABSTRACT

The DOD has established the Joint Tactical Information Distribution System (JTIDS) Program Office at the Air Force Electronic Systems Division. The primary objective of the program is to develop a secure, jam-resistant, Digital Information Distribution System which will incorporate a capability of determining relative position. Additionally, it must be capable of providing identification information on friend and foe.

The JTIDS concept relies for synchronization of the terminals on simple, crystal oscillators that serve as the local standards. Bias and drift of these local clocks with respect to the "Master" system clock are derived from evaluation of the times of arrival of signals from three or more transmitting units. It is this same time of arrival that is used to determine the relative position of the local terminal.

QUESTION AND ANSWER PERIOD

NO DISCUSSION