

The Voice Orderwire Control Device (VOCD) interfaces up to twelve KY-57 VINSON COMSEC devices to twelve TD-1337(V) Enhanced Tactical Satellite Signal Processors (ETSSPs) to allow seamless secure or non-secure communications. The VOCD is part of the US Army's Multiplexer Integration and DCSS (Digital Communications Satellite Subsystem) Automation System (MIDAS) and is used by operators in STEP (Standardized Tactical Entry Point) and TELEPORT sites. The VOCD was developed by TELEGRID and is currently deployed worldwide. TELEGRID is under a 5-year IDIQ contract for production and support of the VOCD.

The VOCD concept is based on individual printed circuit boards (PCBs) dedicated to individual channels. Each PCB determines if an incoming call is secure or non-secure and alerts the operator through external alarm and indicator units. For non-secure incoming and out-going calls, each PCB also performs the analog to digital (CVSD) conversion. A single VOCD chassis supports up to twelve individual PCBs (channels). The PCBs are "Hot Swap" capable thus allowing servicing any channel without disturbance to the rest of the system. Each chassis is powered by dual power supplies which can individually support the entire system.

### System Elements



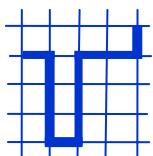
**VOCD Printed Circuit Board (PCB)**



**VOCD 12-Channel Chassis**

# MIDAS Voice Orderwire Control Device (VOCD)

VOCD Undergoing Burn-In Test at TELEGRID Facility



**TELEGRID**  
**Technologies, Inc.**

19 Microlab Road  
Livingston, NJ 07039  
(973) 994-4440  
[sales@telegrid.com](mailto:sales@telegrid.com)