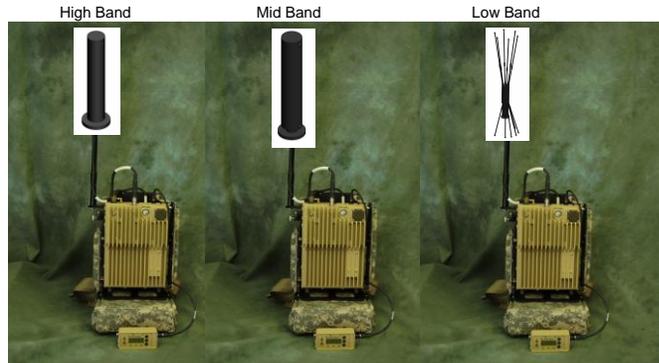


## USMC Counter Radio-Controlled Improvised Explosive Device (RCIED) Electronic Warfare (CREW) 3.1 Thor III System

### System Characteristics:

**TAMCN:** A0326  
**NSN:** 5865-01-580-4854  
**Technology:** Digital  
**Spectrum:** Classified  
**Orientation:** Adjustable position for Antennas  
**Mobility:** Man portable / Dismounted CREW  
**Power:** 18 to 32VDC, 2.5A maximum (Low)  
 18 to 32VDC, 4.5A maximum (Mid)  
 18 to 32VDC, 5.0A maximum (High)  
**Distance:** Classified  
**Operational Mode:** Standby – System is idle, no scanning or jamming  
Operate – System is scanning and jamming as programmed.  
**Encryption:** N/A  
**Quantity Fielded:** 0  
**AAO:** 823 systems + spares (Pending SON)  
 336 systems (Original AAO)  
 + 50 Spares per SONs



**System Description:** Each Thor III system consists of three dismounted man-pack subsystems, one battery charger, and twenty-four batteries (BB-2590/U). Each subsystem contains a R/T (low band, mid band or high band), a Remote Control Unit (RCU), an integration/pack frame, an Rx/Tx Antenna (low band, mid band, or high band), a GPS antenna, cables, and software. Each subsystem is housed in a separate transit case with protective covers. The purpose of the Thor III dismounted system is to provide the user in the field with a wearable Radio-Controlled Improvised Explosive Device (RCIED) jammer that has been designed to counter an array of frequency diverse threats. The system is an expandable, active and reactive, scanning-receiver-based jammer with multiple jamming signal sources that allow it to counter multiple simultaneous threats.

### Locations:

**CE:** OEF  
**GCE:** OEF  
**ACE:** OEF  
**CSSE:** OEF

### Programmatic Information:

**Manufacturer:** Sierra Nevada Corporation  
**Contract Vehicle:** PMS-408  
**MCSC Acquisition Status:** Production and Deployment  
**P3I:** N/A  
**IOC:** FY10  
**FOC:** FY10  
**Fielding Plan:** In-progress  
**Unfunded Requirement:** N/A

### Lifecycle Configuration Control:

**Initial Fielding:** FY10  
**Quantity Fielded:** 0  
**Warranty:** N/A  
**Logistics Support Concept:** 2 level (O & D)  
**Upgrades:** N/A  
**Variations:** N/A

**Legacy Equipment Substitute:** QRD  
**Lifecycle Status:** Full-rate Production/  
 Deployment  
**Expected Replacement System:** JCREW 3.3  
**Expected Replacement Timeframe:** FY13

### Requirement:

**Stated Need:** DCREW/Man-portable ECM Urgent Universal Needs Statement (UUNS) ID: 09279UA. Statement of Need (SON), dtd 2010 May 06. Statement of Need (SON) With Updated AAO Forthcoming.

**Operational Requirements Documentation (ORD):** TBD

**Concept of Employment:** Thor III provides Marines on patrol with a man-portable device for RCIED jamming which emits radio frequencies that disrupt or jam signals needed to detonate RCIEDs. DCREW is inherently simple to use, durable, easily transportable, and can be operated in open terrain and urban built-up areas. It is designed principally to support dismounted infantry conducting patrols, raids or manning entry control points, but can be employed across the entire spectrum of conflict by all military occupational specialties.

**Operational Impact:** USMC Dismounted CREW systems continue to provide a significant operational impact by effectively countering (jamming) RCIEDs and providing protection to dismounted Marines during combat operations with the QRD. The fielding of Thor III will commence in July 2010 and afford Marines greater protection.

### Risks:

**Cost:** Low  
**Schedule:** Low  
**Performance:** Low

**Status:** Initial Fielding (IOC) will commence in July 2010. FOC will be September 2010. MCSC sustainment throughout FY14.

Unclassified and Approved for Public Release

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