

Target Location, Designation and Hand-off System (TLDHS)

System Characteristics:

TAMCN: A25607G
NSN: 7010-09-000-2546 (Block I- Disposal)
NSN: 7010-01-524-4120 (Block II- Phasing Out MRT-A)
NSN: 7010-01-571-6450 (Block II- Sustaining MRT-B)
Spectrum: Operates per DoD Directive 4650.1
Mobility: Man-Portable
Power: Internal and operating in a range of +15 to +24 Volts of Direct Current (VDC) (T). Operation will be from an external Alternating Current (AC)/DC adapter or a +15 Volts (V) battery system. The circuit steady-state voltage shall be between 23 and 33 VDC.
Distance: Dependent on Laser Rane Finder/Radio used
Operational Mode: Day, Night, Limited-Visibility Conditions
Encryption: Dependent on the radio
Quantity Fielded: 988
AAO: 1,018



System Description: TLDHS is a man-portable equipment suite, employed primarily by Tactical Air Control Party, Fire Support Teams, Firepower Control Teams and Reconnaissance Teams:

MDA: BGen Kelley

Acquisition Approach: Evolutionary acquisition using an incremental approach with COTS & GOTS

Sunset plan of legacy systems being replaced: TLDHS is a new capability, no applicable legacy system

Programmatic Information:

Manufacturer: Stauder Technologies
Contract Vehicle: Sole-Source
MCSC Acquisition Status: ACAT III designated: 14 Jan 1994
P3I: Block III (ACAT Pending)
IOC: 2QFY08
FOC: 4QFY11
Fielding Plan: Signed 2008
Locations: TLDHS was horizontally fielded to the MEFs, MARFORSOC, MARFORRES, and Supporting Establishments.

Lifecycle Configuration Control:

Initial Fielding: FY08
Quantity Fielded: 988
Warranty: Once fielded, TLDHS hardware is under warranty for 3 years.
Logistics Support Concept: TLDHS Spares are located at the RIP locations. Standard USMC procedure utilized for maintenance and supply needs.
Upgrades: Smaller Lighter Ancillary TLDHS Equipment (SLATE) System is scheduled to refresh the MRT-A variation starting in FY13.

Variations: There are 2 currently configurations of TLDHS in FY12: MRT-As and MRT-Bs.

Legacy Equipment Substitute: None
Lifecycle Status: Sustainment, post FOC

Expected Replacement System: N/A
Expected Replacement Timeframe: TLDHS is transitioning from Block 2 to 3 starting in FY12.

Requirement:

Stated Need: Perform target acquisition and hand off to fire support agencies via an interface with tactical data systems using current and planned communications equipment

Operational Requirements Documentation (ORD): Originated in response to the Lightweight Laser Designator/Rangefinder (LLDR) Mission Need Statement (MNS), which was adopted as the TLDHS MNS. TLDHS is operating under the Organizational and Operational (O&O) Requirement Change 6 for Block 2 and Change 7 for Block 3.

Concept of Employment: Forward Observers and Joint Tactical Air Controllers (JTACs) provide observation for indirect fire and CAS to supported maneuver elements of the MAGTF. TLDHS provides the fire support observer/controller with the ability to self-locate, acquire targets, refine coordinate data for inertially-aided munitions engagement, and to generate mission requests for hand-off to fire support agencies. TLDHS provides Air Officers the capability to monitor/control all mission information exchanged between FOs and JTACs and their assigned supporting arms agencies/platforms.

Operational Impact: The TLDHS provides observers and controllers with the capability to quickly acquire targets, accurately determine observer and target location, export target image and position data, and designate targets for Laser Spot Trackers and Precision Guided Munitions.

Risks:

Cost: High
Schedule: Medium
Performance: Low

Status: Currently fielding TLDHS software version 1.1.6.2 and SLATE. Transitioning to Block 3, which includes the following new capability:

- A handheld video downlink
- Wireless personal area network
- Update of the system to leverage emerging mobile software and hardware technology
- Develop the mobile software application

Continue to virtualize the software, work on the convergence, and integrate the software with the MAGTF C4ISR platforms and aircraft.