

## CYPRES (1) — Introduction

### 1. Scope

This manual describes the operation and maintenance procedures (organizational) for the Cybernetic Parachute Release System (CYPRES) Automatic Activation Device for Military CYPRES (1) Models 1000 35 A, 1500 35 A and 2500 29 A and the Expert CYPRES (1) model. The CYPRES (1) is an automatic activation device designed to cut the loop material holding the reserve pilot chute in place should the Military Free Fall Parachutist meet certain criteria that the CYPRES (1) uses to make the decision to fire the release unit. This manual covers component descriptions and quantities, operation instructions and maintenance instructions (both scheduled and corrective) and provides Illustrated Parts Breakdowns for components that are unique to the CYPRES (1). Included are procedures for original issue, inspection, setting and repair. Further reference materials related to the CYPRES (1) are listed in Appendix A.

#### A. Descriptive data.

The differences among the three military CYPRES (1) models and the Expert CYPRES (1) model are the preset information they use, to include the activation altitude above the virtual drop zone.

#### (1) Equipment and accessories supplied.

The three military CYPRES (1) models and the Expert CYPRES (1) model consist of a processing unit, control unit, release unit and internal battery. See Para A.

### 2. Safety precautions.

Read this manual carefully and understand it completely. Personnel using / maintaining the CYPRES (1) must comply with the safety precautions and procedures in this manual. In accordance with MCO 3500.20\_, the CYPRES (1) equipment maintainer must be an MOS 0451 Ram Air Pack Qualified Parachute Rigger. Specific warnings and cautions related to the CYPRES (1) are stated immediately before their related procedures in the manual. A summary of all warnings and cautions is located in the Safety Summary at the front of this manual.

### 3. Product quality deficiency report.

In the event of any equipment deficiency noted upon receipt or during normal operation of the CYPRES (1), a Form SF 368, Product Quality Deficiency Report (PQDR) will be completed in accordance with MCO 4855.10\_ and submitted to the U.S. Marine Corps Logistics Command, Albany, GA, website at <http://www.logcom.usmc.mil/pqdr/default.asp>. Form SF 368, block 19, should be marked 'Yes' if a deficiency occurs during the warranty period. Any questions about the warranty should be addressed in writing to the Depot, Naval Surface Warfare Center (NSWC), Coastal Systems Station, Dahlgren Division, 6703 W Highway 98, Panama City, FL 32407-7001, ATTN: Mr. Kevin Lang, telephone (850) 235-5485. All CYPRES (1) equipment will be returned to the Depot (NSWC - Panama City) for warranty repairs.