



UNITED STATES MARINE CORPS

MARINE CORPS SYSTEMS COMMAND
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IN REPLY REFER TO

5000

PG-15

20 Jan 04

From: Commanding General, Marine Corps Systems Command
To: Commanding General, I Marine Expeditionary Force, Camp Pendleton, CA 92055

Subj: LIMITED FIELDING FOR THE AN/PSS-14 HANDHELD MINE DETECTORS

Ref: (a) CG, MCSC, Memorandum For Record of 10 December 2003
(b) MCSCO 5100.29, 1 August 2003

1. Per reference (a), a limited fielding of 72 AN/PSS-14 handheld mine detectors is authorized for the 1st Marine Expeditionary Force (I MEF) tasked to support the war on terrorism. This authorization complies with the requirements of reference (b), and will be valid for a period of 18 months starting with the date of this document.

2. The AN/PSS-14 possesses greater capabilities than the currently fielded AN/PSS-12 mine detector. Personnel will be provided with an increased capability of detection of metallic, low metallic and non-metallic mines of all fuse types and in all soil types.

3. This limited fielding is subject to the following restrictions and precautions:

a. Marine Corps personnel must be formally trained in the use of the AN/PSS-14 and minesweeping. Training must include a hands-on review of all operating components and their functions to include the safety warning and precautions associated with the AN/PSS-14.

b. Operating personnel are not authorized to perform maintenance on the AN/PSS-14, unless they have been specifically trained on the tasks.

c. All mine detectors containing metal may cause magnetically fused mines to detonate. Prior to using the AN/PSS-14, a threat brief of suspected mine types employed in the area should be provided to the operators by military intelligence.

d. Receiving Marine Corps units and their personnel must use and dispose of the NiMH batteries in accordance with all requirements.

e. The volume on the headset should be adjusted to the user's comfort. Higher volume adjustments could damage the user's hearing.

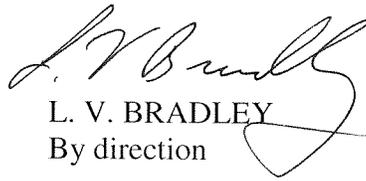
f. A work cycle must be developed to ensure personnel operating the equipment do not become "tone deaf" to the audio input.

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g. The AN/PSS-14 should not be operated within 6 meters of another AN/PSS-14. Failure to maintain this distance will cause both systems to perform erratically. In addition, the AN/PSS-14 should not be operated in close proximity of SINGGARS radios, which will reduce the radio transmitting range.

h. The GPR processors must be retrained if the ground to be swept changes drastically from that of its initial training. Retraining GPR processors must be done outside of a mined area. Failure to perform this task could result in serious injury to personnel.

4. The point of contact at this Command is Mr. Joe Murgo at DSN 432-3527, or commercial 703-432-3527.


L. V. BRADLEY
By direction

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PMM-152