

TB 43-0001-61-7

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

**EQUIPMENT IMPROVEMENT REPORT
AND
MAINTENANCE DIGEST**

(THIRD QUARTER CY 2007)

**TEST, MEASUREMENT, AND DIAGNOSTIC
EQUIPMENT (TMDE)**

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Distribution Statement A: Approved for public release; distribution is unlimited.

HEADQUARTERS, DEPARTMENT OF THE ARMY

OCTOBER 2007

**EQUIPMENT IMPROVEMENT REPORT AND
MAINTENANCE DIGEST
TEST, MEASUREMENT, AND DIAGNOSTIC EQUIPMENT
(TMDE)
(THIRD QUARTER, CY 2007)**

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REPORTING OF ERRORS AND RECOMMENDING IMPROVEMENTS

You can improve this manual. If you find any mistakes or if you know of a way to improve these procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to: Commander, U.S. Army Aviation and Missile Command, ATTN: AMSAM-MMC-MA-NP, Redstone Arsenal, AL 35898-5000. A reply will be furnished to you. You may also send in your comments electronically to our E-mail address: 2028@redstone.army.mil or by fax 256-842-6546/DSN 788-6546. For the World Wide Web use: <https://amcom2028.redstone.army.mil>. Instructions for sending an electronic 2028 can be found at the back of this manual.

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CHAPTER 1

GENERAL

SECTION I. INTRODUCTION

1.1 Purpose

a. This bulletin provides information and/or action to be taken to correct equipment faults reported through Equipment Improvement Recommendations (EIRs). It also provides notification of minor alterations, publication changes, advance information of modification work orders (MWOs) and maintenance program planning and execution.

b. This technical bulletin (TB) is published quarterly to disseminate technical information concerning Test, Measurement, and Diagnostic Equipment (TMDE) to field units and major commands.

1.2 Scope

a. This bulletin contains EIR and general information pertaining to TMDE that is managed or maintained by the U.S. Army Aviation and Missile Command. It may contain information on EIRs, equipment publication changes, MWOs, warranty recall information, and publication actions – some resulting from DA Forms 2028, Recommended Changes to Publications and Blank Forms.

b. This bulletin is informational in nature. It contains discretionary entries, authorizes certain maintenance actions, and gives advance information on the future changes to equipment publications.

c. This bulletin may contain minor changes that may be performed without an MWO. Control and reporting of these changes in accordance with DA PAM 750-8 is not required except as routine maintenance action.

1.3 Obtaining the Equipment Improvement Report and Maintenance Digest.

This TB will be posted to the LOGSA website. The digest may be requested from APD. The Digest is also available from the USATA home page under the "Publications" header.

1.4 **Inquiries.** Points of contact for this EIR are Mr. Gary Davenport, gary.m.davenport@conus.army.mil, DSN 788-0600, commercial 256-842-0600 or Mr. Fred Melton, fred.melton@conus.army.mil, DSN 645-8082, commercial 256-955-8082.

SECTION II. GENERAL INFORMATION

1.1 Purpose

The purpose of an EIR is to initiate early and effective corrective action, where necessary, to eliminate failure and/or improve material. AR 750-1 makes the submission of

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an EIR mandatory when an equipment failure occurs as a result of other than normal wear, operational malpractice, or accidental damage. DA Pamphlet 750-8 provides the detailed instructions for the submission of an EIR.

1.2 Deficiency Reporting

a. DA PAM 750-8, The Army Maintenance Management System, is the guideline for initiating and submitting EIRs which are to be reported on SF 368, Quality Deficiency Report (QDR).

b. Materiel received damaged, due to improper packaging or packing, must be reported on SF 364, Report of Discrepancy (ROD), in accordance with AR 735-11-2.

c. Transportation/shipping damage must be reported on SF 361, Discrepancy in Shipment Report, in accordance with AR 735-11-2.

1.3 Priorities for EIR

a. CATEGORY 1. A deficiency/improvement recommendation which will or may affect life or limb of personnel or impair the combat capabilities of the using organization or individual. Deficiencies that affect operational capability, to the extent that mission accomplishment is jeopardized, fall within this definition.

b. CATEGORY 2. A deficiency/improvement recommendation which does not meet the criteria set forth in category 1.

CHAPTER 2

SAFETY-OF-(USE/FLIGHT) MESSAGES

2.1 General

This section provides information on safety issues that all personnel should be made aware of and/or requires an action to be taken by the user to rectify the situation.

CHAPTER 3

EQUIPMENT IMPROVEMENT RECOMMENDATION CASES

SECTION I. INTRODUCTION

3.1 General. This chapter provides information on Equipment Improvement Reports (EIR's)/QDR cases requiring corrective action by the field that were opened or closed during the period, as well as information on EIR cases that have had a change of status. Unless definite limitations are specified, recipients of this technical bulletin are authorized to apply corrections as indicated for deficiencies listed in the following section. These changes or corrections are to be undertaken only if adequate skills, tools, and parts are available. If additional information is needed, make reference to the EIR number in your inquiry.

SECTION II. ACTIVE (OPEN) EIR CASES

3.2 EIRs still under investigation. All QDRs have been closed.

SECTION III. INACTIVE (CLOSED) EIR CASES

3.3 EIRs requiring answers to the originator only. None

3.4 Closed EIR cases. There is no QDR information for this quarter.

CHAPTER 4

MINOR ALTERATIONS/INFORMATION

4.1 General

All minor alterations are optional for application to the item indicated at the field maintenance level specified. Minor alterations are to be undertaken only if adequate skills, tools, and parts are available. Application of minor alterations will be recorded in the appropriate equipment record as a routine maintenance action.

4.2 Dillon XDxtreme scale/dynamometer

Dillon XDxtreme scale/dynamometers manufactured before January of 2006 have a problem with corrupted data being written when there is not enough power remaining in the battery as it attempts to write to memory. If inadequate power exists, the write operation starts to memory, but does not finish writing the tables. The instrument loses power and memory is corrupted. It will revert to first boot defaults, including calibration.

This only occurred when a configuration/setup was changed, which is generally infrequent with most users. And it only occurred in a very narrow voltage band, where normal operation can take place for everything except the memory write operation (which requires slightly more voltage).

A firmware revision in January 2006 addressed the issue with underpowered batteries in the flash writing operation. It checks the battery voltage before it writes to insure it can fully complete the operation. If you received this update, this problem should not occur again.

Please note, 100% of the calibration information and virtually all configurations and setup choices are stored in non-volatile memory and are retained indefinitely, even with the batteries removed. This is true regardless of firmware version.

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If your dynamometer was produced before January of 2006 and has not received the firmware update then return to manufacturer for the upgrade.

4.3 Aviation Vibration Analyzer

Per the January issue of PS magazine:

“The AMCOM head shed has a repair contract for AVA's. Any units needing their AVA's repaired should check out General-MIM-2006-009 for turn-in instructions and information. All version 6.01 AVA kits need upgrading to 7.01. Units supporting Operation Enduring Freedom (OEF) or Operation Iraqi Freedom (OIF) will get priority rapid turn-around if noted on the DD forms.”

AVA's are now T-level calibrations and F-level repairs. Changes in repair responsibility will be reflected in the next published copy of TB 43-180.

4.4 Fluke 9640A RF Reference Source

The New RF Reference Source, the Fluke 9640A, comes with a 3 year warranty for calibration and repair. Upon receipt of your 9640A, look for a small box with the Gold Care information inside. This information will be used when activating the warranty. To activate, navigate to <http://www.fluke.com>, hover over "Service" and click on "Warranty" on the drop down menu. Fill in the necessary details to activate the warranty.

4.5 New Mass Calibration Procedure

The old calibration procedure for weights (mass) has been superseded by the new TB 9-6670-254-40 dated 13 September 2007. The new procedure incorporates the new weight classifications (tolerances) recommended by NIST i.e. NIST Class F and ASTM E617-97. According to NIST, the old NBS tolerances (P, Q and C) for field standard weights have been replaced by NIST Class F and the old NBS tolerances S-1 and T have been replaced by ASTM-E617 class 3 and class 7 respectively.

The APSL test reported S-1 (Class 3) weights and the readability of the balances allow S-level laboratories full calibration capability up to Class 4 (including Class F) and limited capability of Class 3 weights.

Precision weighing by substitution (single and double) is the technique of choice by NIST and the recommended technique in the new mass procedure. Completely new to the mass procedure is the NIST recommended concept of using a ballast weight to facilitate substitution weighing on a double pan balance. The ballast weight's purpose is to act as a counter weight on one pan while the substitution weighing is being performed on the other pan. The ballast weight must be equal to the nominal value of the TI and can be made up of any class of weights that are available (customer's weights if necessary). Due to many errors in the past, NIST no longer recommends transposition weighing. The transposition technique was included in the new procedure as an alternative method for use only if the ballast weight cannot be assembled. A calculation tool "Mass Calculations for TB9-6670-254-40" has been developed to assist the technicians with the calibration. The tool defines

the classes of weights, calculates the TI actual value and TI error, while yielding pass or fail conditions with various input error prompts. The “Mass Calculations for TB9-6670-254-40” tool is recommended for use and has been approved by both Engineering and QA. Implementation of the tool should improve efficiency while reducing data transposition errors. The tool will be available for download from the USATA site. To download select the “Publications” drop down menu, highlight “Controller automated tools,” click on “Procedures,” and select “Mass Calculations for TB9-6670-254-40.” The POC for both procedure and mass calculation tool is DaleMungroo.

E-mail: dale.mungroo@us.army.mil

Comm.: (256) 955-6929

DSN: 645-6929

4.6 Fluke 9640A Requisition Instructions

These are the requisition instructions for the RF Reference Generator:

CAGEC : 89536

Manufacturers Part Number (MFPN) : 9640A-STD

NSN : 5895-01-543-8600

Cost: \$31, 997.75

Item Manager: B64

Accounting Requirements Code: Nonexpendable

Recoverability Code: D

Demand Code: Nonrecurring on initial issue, recurring on future requirements

Material Category Code/Financial Inventory Accounting Code: L21FQ – Stock Fund (will be free issue on initial issue only)

Initial Calibration Level/Interval: F/360 (Three year Calibration and Warranty Contract)

Authorization: In accordance with ECP MI-N9241, we added one each, MFPN 9640A-STD, to Secondary Reference and Transfer Standards Set and to 7911261 Electronics Reference Standards Set. This item will be added to Supply Catalog (SC) 6695-92-A06, and SC 4931-92-A04, Sets, Kits, and Outfits Components Lists, Calibration Sets. The current CD-ROM version is dated 1 September 2007. This CD-ROM publication (EM 0074) supersedes all previously published supply catalogs that support TMDE calibration sets. In the interim, this letter constitutes your authority for this item. If you are not authorized a Transfer or Reference Set, your authorization for this item is Army Regulation 71-32.

We have added the RF Reference Generator, MFPN 9640A-STD, to the Secondary Reference and Transfer calibration sets. This is a new requirement and is a direct replacement for the HP 3335A (Note – This is a partial fielding. All serviceable HP 3335A's should be retained for distribution to sites that need them until additional quantities of the 9640A-STD are available to complete the fielding. Unserviceable HP 3335A's can be turned in through normal supply channels).

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The following table represents the initial distribution based on current asset availability of 43. Future distribution of 70 is planned., pending procurement by the Product Director-TMDE. Additional requirements or changes to this distribution matrix must be coordinated with the calibration sets (CALSETS) Integrated Logistics Support (ILS) Manager.

Location	286	287	RF	Total
Region 1	4	4	2	10
Region 2	3	4	2	9
Region 3	5	5	2	12
Region Europe	3	3	1	7
Region Pacific	1	2	1	4
HQ, USATA			1	1
Total				43

This RI is an initial fielding for planned distribution of MFPN 9640A-STD. Property book officers should submit requisitions via:

fax (DSN 788-2313) or
e-mail: marcus.jarmon@conus.army.mil

Hard copy requests should be mailed to :

US Army Aviation and Missile Command
ATTN: AMSAM-TMD-LI (Mr. Marcus Jarmon)
Redstone Arsenal, AL
35898-5400

DO NOT SUBMIT REQUESTS THROUGH NORMAL SUPPLY CHANNELS.

POC for this document is Mr. Marcus Jarmon, DSN 799-2423, Commercial 256-842-2423

4.7 Fluke 1529-R Requisition Instructions

These are the requisition instructions for the Fluke/Hart Scientific 1529-R (CHUB E-4) Temperature Control:

CAGEC: 64841
MFPN: 1529-R
NSN: 6685-01-544-0531
Cost: \$3510.00
Item Manager: B64
Accounting Requirements Code: Nonexpendable
Recoverability Code: D
Demand Code: Nonrecurring on initial issue; recurring on future requirements

Material Category Code/Financial Inventory Accounting Code: L21FQ – Stock Fund (Will be free issue on initial issue only)

Initial Calibration Level/Interval: S/360

Authorization: In accordance with ECP MI-N9242, we added one each, MFPN 5627-12-M, to Army Drawing numbers 7917003 and 7911265. This item will be added to Supply Catalog (SC) 6695-92-A05, and SC 4931-92-A04, Sets, Kits, and Outfits Components Lists, Calibration Sets. The current CD-ROM version is dated 1 September 2007. This CD-ROM publication (EM 0074) supersedes all previously published supply catalogs that support TMDE calibration sets. In the interim, this letter and Army Regulation 71-32 constitutes your authorization for this item.

The following table reflects the distribution based on current asset availability of 82. Additional requirements or changes to this distribution matrix must be coordinated with the calibration sets (CALSETS) Integrated Logistics Support (ILS) Manager.

Location	286	287	RF	Total
Region 1	6	6	2	14
Region 2	8	8	2	18
Region 3	21	8	2	31
Region Europe	4	7	1	12
Region Pacific	1	2	1	4
HQ, USATA		2	1	3
Total				82

This is a new requirement and is a direct replacement for the AZONIX 1012A.

Property Book Officers should inform AMSAM-TMD-LE of the final distribution of assets.

The Property Book Officer responsible for the units/activities listed in the distribution plan should submit requisitions to Mr. Marcus Jarmon, DSN: 788-2423, commercial 256-842-2423 or Ms. Velma Barrett, DSN 788-2307, commercial 256-842-2307, Fax: DSN 788-2427, commercial 256-842-2427.

Point of contact is Mr. Rodger Lesniak, DSN 645-6770, commercial 256-955-6770.

4.8 Fluke/HS 5627-12-M Requisition Instructions

These are the requisition instructions for the Fluke/Hart Scientific Temperature probe.

CAGEC: 64841

MFPN: 5627-12-M

NSN: 6685-01-544-2476

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Cost: \$475.00

Item Manager: B64

Accounting Requirements Code: Nonexpendable

Recoverability Code: Z

Demand Code: Nonrecurring on initial issue, recurring on future requirements

Material Category Code/Financial Inventory Accounting Code: L24FQ Stock Fund (Will be free issue on initial issue only)

Initial Calibration Level/Interval: S/360

Authorization: In accordance with ECP MI-N9242, we added one each, MFPN 5627-12-M, to Army Drawing numbers 7917003 and 7911265. This item will be added to Supply Catalog (SC) 6695-92-A05, and SC 4931-92-A04, Sets, Kits, and Outfits Components Lists, Calibration Sets. The current CD-ROM version is dated 1 September 2007. This CD-ROM publication (EM 0074) supersedes all previously published supply catalogs that support TMDE calibration sets. In the interim, this letter and Army Regulation 71-32 constitutes your authorization for this item.

This is a new requirement and is a direct replacement for the ASP WSP500 RTD Probe. Property Book Officers should inform AMSAM-TMD-LE of the final distribution of assets.

The following table reflects the distribution based on current asset availability of 82. Additional requirements or changes to this distribution matrix must be coordinated with the calibration sets (CALSETS) Integrated Logistics Support (ILS) Manager.

Location	286	287	RF	Total
Region 1	6	6	2	14
Region 2	8	8	2	18
Region 3	21	8	2	31
Region Europe	4	7	1	12
Region Pacific	1	2	1	4
HQ, USATA		2	1	3
Total				82

The Property Book Officer responsible for the units/activities listed in the distribution plan should submit requisitions to Mr. Marcus Jarmon, DSN: 788-2423, commercial 256-842-2423 or Ms. Velma Barrett, DSN 788-2307, commercial 256-842-2307, Fax: DSN 788-2427, commercial 256-842-2427.

DO NOT SUBMIT REQUISITIONS THROUGH NORMAL SUPPLY CHANNELS.

Point of contact is Mr. Rodger Lesniak, DSN 645-6770, commercial 256-955-6770.

4.9 MF2414B/3 Requisition Instructions

These are the requisition instructions for the Anritsu Microwave Counter:

CAGEC: 0T1F7
 MFPN: MF2414B/3
 NSN: 6625-01-531-3516
 Cost: \$12,995.33
 Item Manager: B64
 Accounting Requirements Code: Nonexpendable
 Recoverability Code: D
 Demand Code: Nonrecurring on initial issue; recurring on future requirements
 Material Category Code/Financial Inventory Accounting Code: L21FQ
 Calibration Level/Interval: S or T/360

Authorization: In accordance with ECP MI-N9175, we have added this item to Army Drawing numbers 7917002 and 7911263. This item will be added to Supply Catalog (SC) 6695-92-A05, and SC 4931-92-A04, Sets, Kits, and Outfits Components Lists, Calibration Sets. The current CD-ROM version is dated 1 September 2007. This CD-ROM publication (EM 0074) supersedes all previously published supply catalogs that support TMDE calibration sets. In the interim, this letter and Army Regulation 71-32 constitutes your authorization for this item.

The Microwave Counter, MFPN: MF2414B/3 is the replacement for the HP 5352B, which is old and obsolete.

Replacement/Disposition: The HP 5352B-001/910 should be turned in "one-for-one" when the Microwave Counter, MFPN: MF2414B/3 is received. Turns in shall be done IAW AR 725-50, Chapter 3 and DA PAM 710-1.

Property Book Officers should inform AMSAM-TMD-LE of the final distribution of assets.

The Property Book Officer responsible for the units/activities listed in the distribution plan should submit requisitions to Mr. Marcus Jarmon, DSN: 788-2423, commercial 256-842-2423 or Ms. Velma Barrett, DSN 788-2307, commercial 256-842-2307, Fax: DSN 788-2427, commercial 256-842-2427.

Location	USATA	PM
Region 1, Letterkenny	14	0
Region 2, Redstone Arsenal	14	6
Region 3, White Sands	31	0
		4 - (Bagram, Kosovo, Balad, Qatar)
Region Europe, Pirmasens, Germany	6	
Region Pacific, Camp Carroll, Korea	4	0
HQ, USATA (Labs, Eng, Pubs)	0	2
APSL/ICL, Redstone Arsenal	0	1
Total	69	13

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4.10 Fluke 8508A/01 Meter Requisition Instructions

These are the requisition instructions for the Fluke Reference Multimeter.

CAGEC: 89536

MFPN: 8508A/01

NSN: 6625-01-500-8998

Cost: \$14,157.00

Item Manager: N35

Accounting Requirements Code: Nonexpendable

Recoverability Code: D

Demand Code: Nonrecurring on initial issue; recurring on future requirements

Material Category Code/Financial Inventory Accounting Code: L21FQ – Stock Fund (Will be free issue on initial issue only)

Initial Calibration Level/Interval: F/360

The following table reflects the distribution based on current asset availability of 18. Additional requirements or changes to this distribution matrix must be coordinated with the calibration sets (CALSETS) Integrated Logistics Support (ILS) Manager.

Location	RF
Region 1	4
Region 2	4
Region 3	4
Region Europe	2
Region Pacific	2
HQ, USATA	2
Total	18

Authorization: In accordance with ECP MI-N9245, we added one each, MFPN 8508A/01 to Army Drawing numbers 7911261. This item will be added to SC 4931-92-A04, Sets, Kits, and Outfits Components Lists, Calibration Sets. The current CD-ROM version is dated 1 September 2007. This CD-ROM publication (EM 0074) supersedes all previously published supply catalogs that support TMDE calibration sets. In the interim, this letter and Army Regulation 71-32 constitutes your authorization for this item.

The 8508A/01 Reference Multimeter will serve as a back-up for aging multimeters, resistance bridges, voltage dividers, null detectors, ac/dc transfer standards, and shunt resistors.

Property Book Officers should inform AMSAM-TMD-LE of the final distribution of assets.

The Property Book Officer responsible for the units/activities listed in the distribution plan should submit requisitions to Mr. Marcus Jarmon, DSN: 788-2423, commercial 256-842-

2423 or Ms. Velma Barrett, DSN 788-2307, commercial 256-842-2307, Fax: DSN 788-2427, commercial 256-842-2427.

Point of contact for this item is Mr. Will Clements, DSN 746-9605, commercial 256-876-9605.

4.11 Vacuum Pump Requisition Instructions

These are the requisition instructions for the Varian Reciprocating Vacuum Pump:

CAGEC: 04399

MFPN: SH01001UNIV

NSN: 4310-01-531-2730

Item Manager: B64

Accounting Requirements Code: Nonexpendable

Recoverability Code: D

Demand Code: Nonrecurring on initial release; recurring on future requirements

Material Category Code/Financial Inventory Accounting Code: L21FQ – Sotck Fund (Will be free issue on initial issue only)

Initial Calibration Level/Interval: CNR

Authorization: In accordance with ECP MI-N9179, 27 June 2005, we have added one each to Army Drawing numbers 7917003 and 7917007, 13534034, and 7911265. This item will be added to Supply Catalog (SC) 6695-92-A05, 6695-92-A06, 6695-92-A08, and 4931-92-A04, Sets, Kits, and Outfits Components Lists, Calibration Sets. The current CD-ROM version is dated 1 September 2007. This CD-ROM publication (EM 0074) supersedes all previously published supply catalogs that support TMDE calibration sets. In the interim, this letter and Army Regulation 71-32 constitutes your authorization for this item.

This is a new requirement and is a direct replacement for the MCP1-3000, Precision Pressure Controller and 7915882, Vacuum Pump Unit, Rotary. Unserviceable MCP1-3000's and 7915882's can be turned in through normal supply channels.

The following table reflects the distribution based on current asset availability of 18. Additional requirements or changes to this distribution matrix must be coordinated with the calibration sets (CALSETS) Integrated Logistics Support (ILS) Manager.

Location	286	287	RF	Total
Region 1	6	6	2	14
Region 2	8	7	2	17
Region 3	13	3	2	18
Region Europe	2	4	1	7
Region Pacific	1	2	1	4
HQ, USATA		2	1	3
Total				63

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Property Book Officers should inform AMSAM-TMD-LE of the final distribution of assets.

The Property Book Officer responsible for the units/activities listed in the distribution plan should submit requisitions to Mr. Marcus Jarmon, DSN: 788-2423, commercial 256-842-2423 or Ms. Velma Barrett, DSN 788-2307, commercial 256-842-2307, Fax: DSN 788-2427, commercial 256-842-2427.

Points of contact are Mr. Lester Barnard, DSN 788-2426, commercial 256-842-2426 or Ms. Velma Barrett, DSN 788-2307, commercial 256-842-2307.

CHAPTER 5

EQUIPMENT PUBLICATIONS – NOT INCLUDED

CHAPTER 6

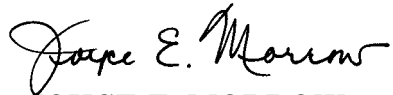
MODIFICATION WORK ORDERS – NOT INCLUDED

CHAPTER 7

TRAINING OPPORTUNITIES – NOT INCLUDED

By Order of the Secretary of the

Official:



JOYCE E. MORROW
*Administrative Assistant to the
Secretary of the Army*

0728808

GEORGE W. CASEY, JR.
*General, United States Army
Chief of Staff*

Distribution:

To be distributed in accordance with STD IDS NO. RLC-1500, 2 January 2003,
requirements for TB 43-0001-61-7.

Instructions for Submitting an Electronic 2028

The following format must be used if submitting an electronic 2028. The subject line must be exactly the same and all fields must be included; however, only the following fields are mandatory: 1, 3, 4, 5, 6, 7, 8, 9, 10, 13, 15, 16, 17, and 27.

From: "Whomever" whomever@redstone.army.mil
To: <2028@redstone.army.mil

Subject: DA Form 2028

1. **From:** Joe Smith
2. **Unit:** home
3. **Address:** 4300 Park
4. **City:** Hometown
5. **St:** MO
6. **Zip:** 77777
7. **Date Sent:** 19-OCT -93
8. **Pub no:**55-2840-229-23
9. **Pub Title:** TM
10. **Publication Date:** 04-JUL-85
11. **Change Number:** 7
12. **Submitter Rank:** MSG
13. **Submitter FName:** Joe
14. **Submitter MName:** T
15. **Submitter LName:** Smith
16. **Submitter Phone:** 123-123-1234
17. **Problem:** 1
18. **Page:** 2
19. **Paragraph:** 3
20. **Line:** 4
21. **NSN:** 5
22. **Reference:** 6
23. **Figure:** 7
24. **Table:** 8
25. **Item:** 9
26. **Total:** 123
27. **Text**

This is the text for the problem below line 27.

