

DISCLAIMER

The views, opinions, and/or findings contained in this report are those of the author and should not be construed as an official Department of the Army position, policy, or decision, unless so designated by other documentation.

The word "he" is intended to include both the masculine and feminine genders; any exception to this will be so noted.

REPORT DOCUMENTATI	ON PAGE	READ INSTRUCTIONS
REPORT HUMBER	2. GOVT ACCESSION NO.	BEFORE COMPLETING FORM
LSO 014	AD-A108	839
TITLE (and Subtitio)		5. TYPE OF REPORT & PERICO COVERED
Expedited Return of Major Item	Excess	Final Report
		5. PERFORMING ORG. REPORT NUMBER
AUTHOR(=)		8. CONTRACT OR GRANT NUMBER(+)
Peter J. Higgins		
PERFORMING ORGANIZATION NAME AND ADDI	RESS	10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
US Army Materiel Development &	Readiness Command	12. REPORT DATE Sed 81
ATTN: DRCPS-S 5001 Eisenhower Avenue		13. NUMBER OF PAGES
ALEXANDELA, VA 22333 MONITORING AGENCY NAME & ADDRESS(11 di	Normat from Controlling Office)	18. SECURITY CLASS. (of this report)
		Unclassified
		154 DECLASSIFICATION/DOWNGRADING SCHEDULE
Approved for Public Release; D	istribution Unlimite	ed m. Report)
Approved for Public Release; D . DISTRIBUTION STATEMENT (of the electrons on . SUPPLEMENTARY NOTES Information and data used in th	istribution Unlimite	ed Report)
Approved for Public Release; D DISTRIBUTION STATEMENT (of the electrons on Information and data used in th time of preparation. Because to ment should not be construed to Materiel Development & Readines	istribution Unlimite tered in Blook 20, it different ter his study are based the results may be s o represent the off ss Command without a	on input available at the subject to change, this docu- icial position of the US Army authorization by that command.
Approved for Public Release; D . DISTRIBUTION STATEMENT (of the obstread on . SUPPLEMENTARY NOTES Information and data used in th time of preparation. Because to ment should not be construed to Materiel Development & Readines . KEY WORDS (Continue on reverse olds if necession)	istribution Unlimite tered in Block 20, if different for his study are based the results may be s o represent the off ss Command without a my and identify by block number,	on input available at the subject to change, this docu- icial position of the US Army authorization by that command.
Approved for Public Release; D . DISTRIBUTION STATEMENT (of the obstract on . SUPPLEMENTARY NOTES Information and data used in th time of preparation. Because to ment should not be construed to Materiel Development & Readines . KEY WORDS (Continue on reverse olds if necessar Certain major items require that	istribution Unlimite tered in Block 20, it different for his study are based the results may be s o represent the off ss Command without a my and identify by block number, at technical inspect	on input available at the subject to change, this docu- icial position of the US Army authorization by that command.
Approved for Public Release; D . DISTRIBUTION STATEMENT (of the obstread on Information and data used in the time of preparation. Because to ment should not be construed to Materiel Development & Readines . KEY WORDS (Continue on reverse olds if necession Certain major items require the Reports of Excess. Since these transmission through AUTODIN, of Excess. This necessitates Materiel Readiness Command (MRC Control Activity. Two major re describes a method to transfer ond a change in procedures at o	istribution Unlimite fored in Block 20, it different for his study are based the results may be so o represent the offi- ss Command without a ary and identify by block number, at technical inspect they must be mailed time consuming off- C) and circumvents in ecommendations are no inspection data by one MRC. Benefits of	on input available at the subject to change, this docu- icial position of the US Army authorization by that command.
Approved for Public Release; D . DISTRIBUTION STATEMENT (of the obstread on Information and data used in the time of preparation. Because to ment should not be construed to Materiel Development & Readines . KEY WORDS (Continue on reverse of the 10 necession Certain major items require the Reports of Excess. Since these transmission through AUTODIN, of Excess. This necessitates Materiel Readiness Command (MRC Control Activity. Two major re describes a method to transfer ond a change in procedures at on 1 JAM 73 1473 EDITION OF 1 NOV 65 15 C	istribution Unlimite fored in Block 20, if different is his study are based the results may be so o represent the offi- ss Command without a by and identify by block number; at technical inspect e inspection reports they must be mailed time consuming off- C) and circumvents is ecommendations are in inspection data by one MRC. Benefits of	on input available at the subject to change, this docu- icial position of the US Army authorization by that command.

R

UNCLASSIFIED SECURITY CLASSIFICATION OF THIS PAGE (Then Date Entered) 20. are based upon a selected sample of Line Item Numbers.

Ŕ.

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

UNCLASSIFIED

EXPEDITED RETURN OF MAJOR ITEM EXCESS

LOGISTICS STUDIES OFFICE PROJECT NUMBER 014

FINAL REPORT SEPTEMBER 1981

A

PETER J. HIGGINS

LOGISTICS STUDIES OFFICE US ARMY LOGISTICS MANAGEMENT CENTER FORT LEE, VIRGINIA 23801

the contraction of the second states and the second s

ş

54136L P.1

ACKNOWLEDGEMENTS

This study was conducted under the direction of Mr. J. Allen Hill, Director of the Logistics Studies Office of the US Army Logistics Management Center. Mr. Sherley Gravely (DRCPS-S) was the DARCOM study sponsor representative. The author wishes to express appreciation to Messrs. Hill and Gravely, Mr. Richard Wagner of the US Army Tank Automotive Command, Mrs. Ethel Higgins of the DARCOM Logistics Control Activity, and to Mr. Herb Trende of the DARCOM Automated Logistics Management Systems Activity for invaluable advice and assistance. Mr. Uldis R. Poskus of the Logistics Studies Office deserves special acknowledgment for his computer programs and aid in data analysis.

i

TABLE OF CONTENTS

	Page
Disclaimer	. Rack of Cover Sheet
Acknowledgements	i
Table of Contents	ii
Executive Summary	
 Authority for the Study Problem Statement Objective Approach Methodology Findings and Conclusions Recommendations 	
Main Report	
 Introduction Impact on Availability of Major Items III. Materiel Returns Program IV. Description of the TACOM System V. Description of the TSARCOM System (Dec 80) VI. DARCOM Commodity Command Standard System VII. Analysis of LCA Materiel Returns Program Data VIII. Findings, Conclusions, and Recommendations 	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
Appendices	
 A. List of Acronyms and Abbreviations B. Bibliography C. Inspection Forms D. Letter, DRXMC-LSO, ALMC, 23 Mar 81, subject: Exp Major Item Excess E. Message, DRCPS-S, HQ DARCOM, DTG 231830ZJan81, su Return of Major Item Excess F. Suggested "B-Series" Card Description 	A-1 B-1 C-1 Dedited Return of D-1 bject: Expedited F-1 F-1
 G. Form Letter, DRSTA-, USATACOM, subject: Disposit for Major Item Excess H. Data Summary I. Consolidated Data 	1on Instructions • • • • • • • • • • G-1 • • • • • • • • • • • • H-1 • • • • • • • • • • • • • I-1

FIGURES AND TABLES

Figure		Page
1 2	Flowchart of TACCM Process	19 23
3 4a	Materiel Returns Program Process Flow	28 33
4b	Asset Processing	33
Table		
1	FTE Processing Intervals	30
2	Asset Processing Intervals	32
3	Iransaction Processing	- 34

iii

EXECUTIVE SUMMARY

1. <u>Authority for the Study</u>. The Director for Plans, Doctrine, and Systems (DRCPS-S), US Army Materiel Development and Readiness Command (DARCON), is the sponsor of this study. Tasking was by letter, DRCPA-S, HQ DARCOM, 6 February 1979, subject: Request for Logistics Studies.

2. <u>Problem Statement</u>. The Materiel Returns Program requires that Reports of Excess for some major items be accompanied by technical inspection reports. None of the four inspection forms has an automated capability so that each report and corresponding Report of Excess must be mailed causing increased processing time.

3. <u>Objective</u>. The objective of this study is to expedite the reporting and processing of excess and unserviceable materie! for those major items requiring technical inspection documentation.

4. Approach.

a. The four inspection forms used for exception reporting were reviewed to determine the necessity for separate inspection forms for different Federal Supply Classes and to determine whether automation is desirable and feasible.

b. Also investigated was:

(1) The possibility of combining two or more forms.

(2) Whether a change in policy regarding reporting excess with separate inspection reports is required.

c. Procedures for processing excess reports were documented and analyzed at the US Army Tank Automotive Command (TACOM) and at the US Army Troop Support

and Aviation Readiness Command (TSARCOM). These analyses were key to the development of the methods/procedures inclosed in this report.

5. Methodology.

a. A bibliographic search was performed to determine if completed, ongoing, or planned efforts in this and related areas were documented. Selected research reports and regulatory documents were reviewed for background materiel and relevant concepts or procedures.

b. Personal and telephonic interviews were conducted with TACOM and TSARCOM personnel involved in processing major item excess reports.

c. Materiel Returns Program data on 30 major items managed by TACOM was obtained from the Logistics Control Activity (LCA) and analyzed.

6. Findings and Conclusions.

a. Findings.

(1) The Logistics Control Activity does not receive all major item excess report transactions because many are sent to the DARCOM Materiel Readiness Command (MRC) by mail and not by AUTODIN which is LCA's principal method of data collection.

(2) According to paragraph 7-12a of AR 725-50, "Disposition instructions will be furnished on an FTR to the reporting installation within 30 calendar days from date of receipt of the FTE."

(3) The 60-day delay status (FTD) TACOM assigns to each major item excess report does not contribute to on-time processing and is contrary to the 30-day processing goal established by DA in AR 725-50.

(4) The longer an asset awaits disposition instructions the greater the likelihood of cannibalization for repair parts, degradation of physical condition due to weather, and the reduced value placed on the asset by the reporting activity which contributes to the loss of asset visibility and control.

(5) Limiting the number of major items reported on each FTE to one will avoid possible confusion when disposition instructions are issued.

(6) TSARCOM currently processes major item requisitions using a centralized concept similar to that used for major item excess reports.

b. Conclusions.

(1) Implementation of a B-series card to automate the flow of technical inspection information will permit faster receipt of the Report of Excess at the wholesale level.

(2) The inspection information necessary for the major item manager to process excess reports can be coded on an 80-column card and sent over the AUTODIN with the Report of Excess more quickly than by mail.

(3) On the basis of 30 NSNs alone, benefits from the B-series card are estimated to be \$95,575.50.

(4) TACOM can provide disposition instructions at least 114.7 days faster per transaction and 87.8 days per asset by applying TSARCOM procedures.

(5) Estimated avoidable non-use cost in administrative downtime of the 1,931 assets analyzed in this study was \$1,027,967.60 (96.8 days per asset in the Materiel Returns Program pipeline by using current TACOM procedures).

(6) Technical inspection of major items should continue as the information is vital for determining the proper condition of materiel.

7. Recommendations.

a. Recommend, subject to the findings of a cost/benefit analysis, a B-series Document Identifier Code card be developed for transmitting technical inspection data for the Materiel Returns Program.

b. Recommend TACOM use TSARCOM developed excess report procedures to process major item excess reports.

CHAPTER I

INTRODUCTION

1. Background and Problem.

a. When equipment becomes unserviceable, or excess to the requirements of Army units, it is reported to the wholesale manager for disposition instructions. Unserviceable equipment must be repaired or replaced to maintain the readiness of the unit involved. Excess serviceable equipment should be returned to the inventory to satisfy the material needs of the service. Excessive time spent returning meeded material to issuable status causes delays in filling requirements.

b. The Army Materiel Returns Program (MR?) is prescribed in Chapter 7 of Army Regulation (AR) 725-50 (Requisitioning, Receipt, and Issue System) and procedures and exceptions for reporting, utilizing, screening, disposition, and redistribution of excess Department of the Army (DA) personal property are described therein. Paragraph 7-13a of AR 725-50 states that in order "To obtain maximum utilization of reported excesses, minimize holding time and avoid changes to status and condition of reported excesses, replies to Reports of Excess (Document Identifier Code (DIC) FTE) will be processed within 30 calendar days from the date the FTE was received."

c. Most Reports of Excess are sent over Automatic Digital Network (AUTODIN) to the wholesale manager. However, certain equipment requires exception data in the form of a technical inspection report to accompany the FTE. None of the four inspection reports used for this purpose are now automated. To insure that separation of the FTE and required inspection documentation does not occur, both the FTE and the inspection report are now mailed to the wholesale manager by the reporting activity.

d. Some major items managed by the US Army Tank Automotive Command (TACOM) when reported as excess (or unserviceable) require a technical inspection (TI) report to be mailed with the FTE. This results in additional manual processing of excess reports when they arrive at TACOM since care must be taken not to separate the FTE from the inspection report.

e. TACOM performed a study to determine if improvements are possible in their on-time processing of major item Reports of Excess. Their study, entitled "Value Engineering Study to Improve Disposition of Major Item Excess" (VES) cites two TACOM problems:

(1) Excessive delays in providing disposition instructions.

(2) Lack of management visibility.

f. As a result of the TACOM VES, the Directorate of Plans, Doctrine and Systems of the US Army Materiel Development and Readiness Command (DARCOM) tasked the Logistics Studies Office (LSO) to analyze the problem and recommend possible remedies.

2. Objective.

The objective of this study is to expedite the reporting of excess materiel and disposition instructions for those items requiring special inspection documentation.

3. Approach.

a. A bibliographic search was performed to determine if completed, ongoing, or planned efforts in this and related areas were documented. Selected research reports and regulatory documents were reviewed for background material and relevant concepts or procedures. The review of the TACOM "Value Engineering Study to Improve Disposition of Major Item Excess" revealed the need for a new analysis of the problem. Face-to-face and telephonic interviews with persons involved in or affected by the major item excess process were conducted. A

data call (see Appendix D) was made to the DARCOM Logistics Control Activity (LCA) to determine the magnitude of the problem and to provide data needed to estimate the benefits to be accrued from the alternate method proposed.

b. The four inspection forms used for exception reporting were reviewed to determine the necessity for separate inspection forms for different Federal Supply Classes and to determine whether automation of these forms is desirable and feasible. The four forms are (see Appendix C for sample copies):

- DA Form 461-5, Vehicle Classification Inspection

- DA Form 2404, Equipment Inspection and Maintenance Worksheet

- DA Form 2407, Maintenance Request

- DA Form 3590, Repair Eligibility Data Sheet

c. Also investigated was:

(1) The possibility of combining two or more forms.

(2) Whether a change in policy regarding reporting excess with separate inspection reports is required.

d. Procedures for processing excess reports were documented and analyzed at TACOM and TSARCOM. These analyses were key to the development of the methods/procedures proposed in this report.

CHAPTER II

IMPACT ON AVAILABILITY OF MAJOR ITEMS

1. Each unit in the Army is authorized limited quantities of specific equipment to perform its assigned mission. The Table of Organization and Equipment (TOE) is developed for each different type of Army field unit. It states the mission, personnel, and minimum essential equipment considered necessary for successful mission completion. The Modification TOE (MTOE) is the document which states the unique needs of each unit and serves as the authority for issue of major items. Each item of equipment has designated required and authorized quantities. Required quantities represent the amount of equipment needed in a wartime environment. The quantity authorized represents the number of items that should be on hand and/or on order at the present time. Whenever a unit's on hand plus on order quantity exceeds its authorized quantity, the unit is in an excess position for that item. If a unit has materiel in unserviceable condition (assuming no excess on hand), the situation must be corrected through repair or replacement, or unit readiness suffers.

2. The purpose of the Materiel Returns Program is to provide information on unserviceable or excess materiel to the wholesale manager. This is accomplished with the Report of Excess. The wholesale manager furnished disposition instructions for materiel in issuable condition but excess to local needs may include redistribution, storage pending further instructions, disposal, or return to the supply system to meet the approved needs of other governments. Disposition instructions for materiel in less than issuable condition will

usually direct return to storage for anticipated maintenance programs, cannibalization for parts, components or assemblies, or disposal.

3. Due to procurement policy and budgetary guidance, major items are usually not purchased in quantities sufficient to fill the requirements for MTOE's, maintenance float, war reserves, and additive operational projects. Also, no assets are procured to fill the supply pipeline, i.e., the quantity of equipment needed to offset the materiel which is in the transportation system.

4. Because major items are not purchased in quantities adequate to fill either requirements or the transportation pipeline, the supply system requires that the inventory manager distribute materiel (or conversely, shortages) based on priorities assigned by headquarters. Excessive delays in reporting or returning materiel serves to create additional shortages in maintenance float, war reserves, additive operational projects, and in units with low priority requirements.

5. Some storage costs and materiel deterioration can be attributed to delays in reporting or returning materiel. Unprogrammed expenses for care of supplies in storage caused by avoidable delays in processing Reports of Excess unnecessarily consume the resources of the reporting unit. Assets may deteriorate because care of excess (or unserviceable) materiel cannot enjoy very high priority in units with the limited resources (personnel and funds) prevalent in today's Army.

6. The Army must decide between the status quo, which implies acceptance of a reduced readiness status, or corrective action to either improve the major item excess reporting system or to procure the additional assets required to maintain desired unit readiness with the present management system. Procurement money is not always available to completely fill the Authorized Acquisition Objective (AAO); therefore, corrective action is prescribed.

7. The following quotations from the specified Army regulations express complementary thoughts on the topic of readiness as it relates to materiel.

a. According to AR 11-8, Principles and Policies of the Army Logistics System, one of the fundamental principles of logistics is intelligence. This regulation states:

Commanders must have accurate and timely logistic information in order to provide effective logistic support.

. . . High speed communications and mechanized processing not only provide the information necessary for centralized control and management, but reduce the reporting and record keeping requirements of subordinate echelors.

b. AR 750-1 (para 3-3a), Army Materiel Maintenance Concepts and Policies, states:

> The combat readiness of the Army is dependent upon the quality and timeliness of maintenance operations performed on Army materiel.

c. Taken together, the two preceding quotations stress that accurate and timely knowledge of maintenance requirements and the availability of excess materiel for redistribution plays a direct role in the ability of the Army to successfully complete its assigned missions.

CHAPTER III MATERIEL RETURNS PROGRAM

1. Because the technical inspection forms have not been automated, it is necessary to mail them with the Report of Excess to the DARCOM Materiel Readiness Command (MRC) responsible for managing the particular asset on the wholesale level. This not only causes delay in processing excess reports but also frustrates other procedures discussed below.

a. The Defense Automatic Addressing System (DAAS), designed to receive, process and automatically route logistics transactions to the proper address, is sidestepned as a result of the mailing process. This means that excess reports and inspection documents are delayed further if mailed to an incorrect Materiel Readiness Command which must reroute the report to the correct address.

b. The DARCOM Logistics Control Activity was established to record an image of each materiel transaction sent over the Automatic Digital Network (AUTODIN) and to provide summary level analysis of the transactions. LCA records provide an audit trail which is facilitated by the assignment of a document number that is perpetuated on all ensuing "excess" documentation. When the AUTODIN is not used, LCA cannot record the image or build an auditable record unless a copy is received through other means.

2. Two forms (DA Forms 461-5 and 3590) appear to be used most frequently for passing exception data for excess (and unserviceable) materiel to DARCOM MRCs. On the basis of responses to a data call (Appendix E), visits to two MRCs and telephonic interviews, the following uses and users were identified:

a. DA Form 461-5 is used for excess (and unserviceable) material inspection purposes for TACOM, the US Army Troop Support and Aviation Material Readiness

Command (TSARCOM) and the US Army Armament Materiel Readiness Command (ARRCOM) managed vehicles. TSARCOM and ARRCOM vehicles have mounted equipment and are managed as part of the end item.

b. DA Form 2404 usually remains with the reporting activity and provides backup data for either DA Forms 3590 or 461-5. It may, however, be sent with the Report of Excess for TACOM combat carriers and tanks.

c. DA Form 2407 is used to request and/or report maintenance actions and unserviceable weapon components for materiel managed by ARRCOM and the US Army Missile Command (MICOM). This form is currently the subject of a contract study sponsored by the US Army Armament Research and Development Command to review the ARRCOM Field Data Feedback System to assess its efficiency, usefulness, and cost effectiveness. The study is scheduled for completion in November 1981.

d. DA Form 3590 is used to pass inspection information for excess and unserviceable mounted and unmounted equipment managed by ARRCOM, TSARCOM, and TACOM.

3. It is not the intent of this study to delete inspection of materiel from the Materiel Returns Program. The wholesale manager needs inspection information to provide prompt, intelligent and economical disposition instructions based on the reported condition of the materiel. The information contained on the forms is valuable to the wholesale manager; the form, in and of itself, is not important.

4. Visits to two DARCOM MRCs which use the inspection forms most frequently (TACOM and TSARCOM) and telephone calls to the other MRCs revealed the information required by the item manager to make the disposition decision. Using this data, a suggested format for an automated inspection card was developed.

a. The recommended format of the inspection card to be used to transfer inspection data is:

Data Element	Length	<u>Field</u>
Document Identifier Code	3	1-3
Routing Identifier Code	3	4-6
Estimated Labor Hours to Repair	4	7-10
Estimated Cost of Parts and Materiel	6	11-16
Total Estimated Cost to Repair	6	17-22
Vehicle Registration Number	6	23-28
Corrosion	1	29
Document Number	14	30-43
Serial Number	15	44-58
Age	1	59
Mileage	1	60
Hours of Operation	1	61
Frame - Condition	1	62
Engine - Condition	٦	63
Transmission - Condition	1	64
Transfer - Condition	1	65
Drive Shaft and U-Joint - Condition	1	66
Routing Identifier Code - From	3	ປ 7-69
Axles - Condition	1	70
Body - Condition	1	71
Cable - Condition	1	72
Winch - Condition	1	73
Differential - Condition	1	74
Hydraulic System - Condition	1	75
Radio Wire Harness	1	76
Blank	2	77 - 78
Reject Code from MRC to Reporting Activity	/ 2	79-80

b. Appendix F contains a complete description and a suggested coding structure for the inspection card format.

c. Military Standard Requisition and Issue Procedures (MILSTRIP) is a standard system used by the different services and any change to it must be incorporated into the operating programs and procedures of all users. Because each MILSTRIP user may require the ability to deal with unique situations, each service is assigned specific document identifier codes as an accommodation. The Army has been assigned B-series DICs for intra-Army use and is able to specify to the DAAS the editing and validation routines to be used whenever a B-series document passes over the AUTODIN. For these reasons, a B-series DIC is best suited for the purpose of the inspection card. d. Use of a B-series DIC card to transfer major item inspection data from the retail user to the wholesale manager may require that changes to the Standard Army Intermediate Lovel System (SAILS) be made to accomplish the creation and transmittal of this DIC. This coded B-series card should also be included in those records established by both retail and wholesale activities for the control of the Report of Excess as necessary.

e. To reduce the chance of confusion, simplify the design of the B-series card, and maintain the integrity of this system to correctly match an inspection card to the Report of Excess, only one asset should be reported on each FTE when the B-series inspection card is required. This assures both retail and wholesale activities that each inspection card is tied directly to a particular asset by serial number and/or vehicle registration number. To report multiple assets under this procedure will promote the likelihood of error, particularly when the wholesale manager provides disposition instructions.

5. In order to avoid separation of an FTE and the accompanying B-series inspection card, a method to tie these cards to one another is necessary. Since the document number is unique and provides an audit trail, and the Bseries card allows the Army to specify the edit routine of the DAAS, it is logical to reproduce the document number of the FTE on the corresponding inspection (B-series) card.

a. The benefit of relating the FTE and inspection cards by document number is that each transaction is assigned the same unique document number, eliminating the need to include the National Stock Number (NSN) or other identifying data on the inspection card. Use of the document number allows more economical use of the 80 columns available on the inspection card.

b. If the Routing Identifier Code (RIC-TO) of the addressee and NSN on the FTE are mismatched, DAAS will reroute the transaction and notify the reporting activity of that action and the correct RIC-TO address. Since the NSN is not a suggested B-series card entry, DAAS will be instructed to automatically pass the inspection card to the RIC-TO address. When notified of a DAAS FTE reporting action, the reporting activity should immediately produce a corrected B-series card and send it to the correct wholesale manager. If a B-series inspection card is required, the MRC should hold the unaccompanied FTE it receives in suspense pending receipt of the inspection card. If after 5 days the MRC still has not received the required inspection card, it should reject the FTE to the sender with Status Code SA. (Status Code SA is used on a reentry transaction for a Procurement Appropriation (PA) principal item transaction that has been rejected due to a lack of supporting documentation (CCSSO) 18-725-100, Vol 8)). When an unaccompanied B-series card is received by an MRC, it spould be held 5 days and rejected back to the RIC-From address in card columns 67-69 if no FTE is received. In this way the system is self-cleansing. 6. While it is important to expedite the flow of reports of excess and inspection reports to the MkC, and to process these excess reports in a timely manner, it is no less important to speed the flow of disposition instructions back to the reporting activity. No procedures exist in the Materiel Returns Program or on a wider basis within MILSTRIP to forward exception data by automated method.

a. Current procedures require the item manager to enter coded disposition instructions on the reply to Report of Excess (FTR) reject card and re-submit the card to the computer. These instructions include the Status Code which tells the reporting activity the reason for rejection or action status information. If exception data is a necessary part of the disposition instruction,

the item manager should enter a "P" in card column 4. The computer generates an FTR with reject code XN to the item manager which indicates the requirement for exception data on the outgoing transaction. The item manager then will insure that this card is mailed to the reporting activity. Since this card is mailed, LCA is again bypassed. While LCA is capable of receiving transaction copies through the mail and updating the proper records, no instructions are explicitly stated in the MRP instructions (CCSSOI 18-725-100, Vol 8) notifying the item manager of this capability and so the LCA records are seldom updated by mail.

b. With a minor change to the Commodity Command Standard System (CCSS) internal operating procedures, this void in the chain of FTR transaction communication can be overcome. This change is only necessary when the FTR must include exception data and therefore be mailed to the reporting activity. At the present time the item manager enters a "P" in card column 4 which instructs the computer to reject the FTR back to the item manager after processing it so that exception data can be added. The CCSS program should be modified so that when the "P" in card column 4 is read, at which time the CCSS records are updated, the FTR image is transceived directly to LCA. This change to CCSS would not necessitate any other change in the CCSS MRP procedures. An FTR card would still be rejected back to the item manager for the addition of exception data and it would still be mailed to the reporting activity. This procedure is also applicable in any case where the reporting activity does not have the facility for __ansceiving MILSTRIP data.

c. Current CCSS procedures are adequate for those cases in which no exception data is necessary and the reporting activity has facilities to receive MILSTRIP data by AUTODIN.

CHAPTER IV

DESCRIPTION OF THE TACOM SYSTEM

1. The US Army Tank Automotive Command (TACOM) was visited in December 1980, and internal Materiel Returns Program procedures were discussed. After review of the TACOM operating procedures the following suggestions were made during exit interviews on 3 December 1980.

a. If the DRSTA-FDRM (Major Item Supply Operations Section) personnel were directed to use the Data Entry System Interface (DESI) computer terminal located in their section to key the FTE image directly into the computer, the time delays associated with moving the FTE to and through keypunch and moving the FTE to the computer room would be avoided.

b. If DRSTA-FDRM personnel are not permitted to use the DESI to directly key FTEs into the computer, then some of the current processing time can still be avoided by allowing the clerks to keypunch a duplicate FTE for entry into the computer.

c. Several processing days currently expended can be avoided by directing item managers (or a Materiel Management Directorate clerk) to key major item excess disposition instructions into the computer via the DESI terminal.
2. Implementation of these suggested changes to the TACOM procedures then in effect would have eliminated some time consuming movement of paper from one station to another.

3. As of July 1981 the TACOM procedures were as follows:

a. The reporting activity sends a Report of Excess (FTE) and a Technical Inspection (TI) report to TACOM.

b. The TACOM Major Item Supply Operations Section (DRSTA-FDRM) reviews the FTE and TI report for obvious errors and complete documentation, responding

to the reporting activity with an SA reject code if necessary.

ñ

c. If free from obvious error and accompanied by the necessary TI report, the FTE is recorded in a manual daily register. A control form is produced reflecting the FTE card. This control form, accompanied by the TI report is placed in a folder and is handcarried to the responsible branch and logged in before being passed to the item manager. Also, DRSTA-FDRM sends the FTE to the Management Information Systems Directorate (MISD) for entry into the computer.

d. If the computer finds an error on the FTE an "S" series reject is sent to the reporting activity. If the computer finds no error, an FTR "XG" reject will be sent to DRSTA-FDRM. (XG rejects require human processing).

e. Upon receipt of the XG reject from the computer, DRSTA-FDRM sends an FTD with a TR status code (FTE received and in process) and a 60-day delay to MISD which in turn transceives it to the reporting activity.

f. The item manager, upon receiving the folder containing the control sheet (FTE data), TI report, and other pertinent information, decides upon a course of action. Is the materiel serviceable or reparable? Can it be used to fill a requirement? If it can, the FTR is coded for this purpose. If no requirement exists, should it be offered for Major Item Materiel Excess (MIMEX)? When the disposition decision is reached, the FTR is coded and returned with the control sheet and folder to DRSTA-FDRM. The item manager sends exception disposition instructions separately to the reporting activity via US Mail when appropriate. (See Appendix G for a copy of this form letter).

g. DRSTA-FDRM receives the folder and control sheet, indicates the proper response (FTD, FTR) and sends it to MISD which in turn transceives it to the reporting activity. DRSTA-FDRM updates the control sheet and daily register.

4. Paragraph 7-13 of AR 725-50 prescribes the DA goal for providing disposition instructions on excess reports as:

To obtain maximum utilization of reported excesses, minimize holding time and avoid changes to status and condition of reported excesses, replies to FTEs will be processed within 30 calendar days from the date the FTE was received. FTEs for materiel that is to undergo MIMEX screening will be responded to with a DIC FTD with appropriate status code, and final date dispositions instructions from the ICP may be expected....

5. Each TACOM major item excess report (whether it requires a technical inspection report or not) has an FTE with a 60-day delay issued to the reporting activity when DRSTA-FDRM receives the FTR "XG" reject from MISD (paragraph 3e). According to paragraph 7-14 of AR 725-50, "When a reply to an excess report (FTR) cannot be furnished within the times prescribed in paragraph 7-13a . . . an FTD will be processed with status code TR . . . " Status code TR indicates that the FTE has been received and is being processed.

a. The "automatic" FTD gives TACOM additional time to provide disposition instructions without receiving followups (FTFs) from the reporting activity. According to paragraph 7-14 of AR 725-50, ". . . Followups (FTFs) to ICPs are not to be submitted prior to expiration of the date entered in card columns 70-73 of the FTD"

b. The purpose of the FTD then is to inform the reporting activity not to expect disposition instructions within the next 60 days, and to prevent the ICP from receiving automatic FTFs every 30 days. However, FTDs should be the exception and not the rule. Issuing an FTD in every case for 60 days (delay) runs counter to the DA goal quoted in paragraph 4 above. TACOM, by issuing automatic FTDs, places the burden on the reporting activity rather than on improving the process currently in use at TACOM.

(See Figure 1, pages 16 and 17, for Flowchart of TACOM Process)



- If an excess report is received with obviously incorrect data or without required exception data (Technical Inspection (TI)), clerks in DRSTA-FDRM return the report (FTE & TI) to the customer with an SA reject code. Any errors on FTE/FTF will create "S" type rejects after input. Any "S" type reject closes TACOM file for that Document Control Number, and an FTE with new Document Control Number must be re-input by customer. NOTES:
- Visibly acceptable FTE excess reports with accompanying exception data are manually recorded in a daily register by Document Control Number. 2
- A folder containing the control sheet. II, and any other pertinent correspondence is hand carried to the responsible branch and logged in before being passed to the responsible item manager. The control form is also used to track FTE/FTD/FTR processing through the command. ო
- The FTE is forwarded to HEART (%ardcore entry and routing technique) and entered. If some data is incorrect, an "S" type reject will occur and customer will be notified by transceived FTR. If data is correct, an internal "X" type reject will occur and the FTR "X" reject card is forwarded
- After DRSTA-FDRM receives FTR "X" reject, a pre-prepared FTD card with status code TR and a date 60 days in advance of FTE HEART input date is forwarded to the Management Information Systems Directorate and transceived to the customer. ഹ
- If there is no Army or other DOD requirement known to the 'tem manager and equipment is not a MIMEX candidate, the item manager so annotates the control sheet and forwards the correspondence to DRSTA-FDRM through the branch clerk. If the equipment is a candidate for MIMEX, the control addition, the item manager notifies the International Logistics Directorate of the availability sheet is so annotated and the folder is returned to DRSTA-FDRM through the branch clerk. of the equipment. Q
- If the item manager has a valid US Army or other DOD requirement, the control sheet is so annotated In addition, the item manager prepares the form letter, if necessary, and mails it to the customer when appropriate. and forwarded to DRSTA-FDRM through the branch clerk. ~
 - After DRSTA-FDRM receives the folder and control sheet from the item manager, cards (FTD, FTR) are TACOM files are updated and replies transceived to the customer. At this time the register in DRSTA-FDRM is updated. prepared and input to HEART. ω

CHAPTER V

DESCRIPTION OF THE TSARCOM SYSTEM (DEC 80)

1. During a 2-day visit to TSARCOM, in December 1980, the procedures in effect for processing major item excess reports were examined. TSARCOM procedures are different from those used by TACOM and described in Chapter IV of this report. Whereas TACOM procedures rely on the inventory manager to physically process each excess report, disposition instructions are issued centrally at TSARCOM before the manager is aware an FTE has been received. This contrast in procedures indicates the degree of managerial latitude permitted each MRC within the DARCOM Commodity Command Standard System.

2. TSARCOM procedures must be explained in two parts because they do not form a continuous process.

a. Semiannually each manager is asked to provide to a central office the criteria for processing requisitions and reports of excess for each NSN. Included in these blanket instructions are the inventory manager's name, office symbol, telephone number, item nomenclature, Theater Oriented Depots, maintenance depots, and any other instructions the inventory manager determines necessary for the accurate and expeditious handling of excess reports. Whatever actions the item manager would take to process an excess report are described so that someone else can perform this function correctly. The instructions for all NSNs are cataloged in a book called Edit Criteria. Personnel in the TSARCOM Major Item Section of Materiel Management (DRSTS-SDDM-T) use the Edit Criteria to process requisitions and reports of excess.

b. TSARCOM major item reports of excess are processed as follows:

(1) FTEs and inspection reports are received in the mailroom and distributed twice daily to the Major Item Section (DRSTS-SDDM-T).

21

.

(2) An "excess" clerk recalculates the labor charges using representative labor charges of DARCOM maintenance facilities.

(3) The FTE data is keyed into the computer through the DESI by the DRSTS-SDDM-T "excess" clerk.

(4) The computer generates an FTR XG reject and a mini-NSNMDR which is delivered to the "excess" clerk.

(5) The clerk annotates the inspection report with disposition instructions based on the Edit Criteria and keys the disposition instructions into the computer via DESI or has the FTR keypunched and entered into the computer.

(6) The inspection report and NSNMDR are sent to the item manager for review.

(7) If the item manager agrees, nothing more is done. If the manager disagrees, the excess clerk is notified and issues new instructions via letter or message. The item manager may at any time change the Edit Criteria by notifying the "excess" clerk who makes a pencil change to the Edit Criteria.

(3) The item manager may either file or destroy the inspection form and/or NSNMDR. Normally, the manager records some of the data and disposes of the papers received.

3. The flowchart in Figure 2 below depicts the above narrative.





•

4

Į

: . .

CHAPTER VI

DARCOM COMMODITY COMMAND STANDARD SYSTEM

1. Automating the flow of inspection type data alone will not expedite the processing of excess reports at the MRC. It is also necessary to implement changes to CCSS. Each MRC computer must be programmed to ascertain whether the Report of Excess for a given NSN should be accompanied by an inspection card, and to interpret the B-series inspection data card so the information is usable when reviewed with the Report of Excess by the inventory manager or clerk.

a. Standardizing the coding structure of the B-series card and programming CCSS to interpret and print out the inspection information in the clear will eliminate many delays in the current system. These delays include time for mailing, manual processing, keypunching, and passing documents between processing stations.

b. It has been noted that TACOM operating procedures differ markedly from TSARCOM. The TACOM procedures involve much decentralized manual effort while TSARCOM operating procedures rely more on the computer and centralized processing.

c. Automating the transfer of inspection data will benefit both the TACOM and TSARCOM processing by eliminating the mailing delay and the manual entry of the FTE into the computer.

2. Direct computer access is already available in the Materiel Management Directorates at all DARCOM MRCs. Through the DESI computer terminal it is possible to key disposition instructions directly into the computer. This capability has not been exercised to its fullest at TACOM because inventory managers have not been directed to use the terminals for this purpose. TACOM

procedures must be changed to accommodate this feature. TSARCOM procedures are such that disposition instructions are keyed into the computer centrally by the "excess" clerk in the Major Item Section.

a. Entering disposition instructions directly into the computer by the DESI will eliminate delays in keypunching and passing paper between processing stations.

b. Reports of Excess requiring exception data in the disposition instructions will still have to be mailed. However, by including the minor change to CCSS introduced in Chapter III, LCA will receive disposition instructions for all excess transactions. This will allow LCA to more completely perform its assigned mission of recording logistic transactions for management purposes. Eliminating the mailing of the FTE and inspection forms by instituting 3. automated transfer of inspection data allows receipt by the MRC within the real time limitations of the AUTODIN system. CCSS can be reprogrammed so that, when received at the MRC, the FTE and B-card data will be posted to the applicable files and provide an FTR XG reject (this indicates the action requires manual processing) and a mini National Stock Number Master Data Record (NSNMDR) as in the current procedure. CCSS will then provide the item manager (or clerk) a printout with the inspection card data already interpreted. These products can be sent through normal MRC routing channels without establishing manual suspense files. The computer (CCSS) can be programmed to track and follow up on excess transactions, which could result in personnel savings.

a. The computer should be programmed to follow up on excess reports if the time allocated for processing is exceeded.

b. When disposition instructions or other action is furnished the reporting activity, the suspense file will be closed or amended as necessary.

4. When an FTE is received without the essential inspection card, the MRC computer will place the FTE in a suspense file pending receipt of the B-card. Delay in receiving the B-card may be the result of an incorrect RIC-TO applied by the reporting activity. If after 5 days the MRC has not received the inspection card, the excess report will be rejected to the reporting activity with Status Code SA. If the MRC receives only the B-card, it should be held; and, if a matching FTE is not received within 5 days, the B-card should be rejected.

5. By automating the flow of inspection data, programming CCSS to interpret the data, and automating internal procedures, the MRP process is streamlined and more complete management and audit information is collected.

CHAPTER VII

ANALYSIS OF LCA MATERIEL RETURNS PROGRAM DATA

1. Due to the non-availability of historical Materiel Returns Program data from TACOM, the Logistics Control Activity was tasked to provide a copy of their MRP file for selected TACOM managed Line Item Numbers (LIN) which require technical inspection documentation to accompany reports of excess. Because it was necessary to manually enter the LCA data into the computer available to the study activity, the data request was limited to those seventeen LINs listed in Appendix D. The selection of these particular LINs was based on a desire to analyze materiel of significant value in terms of unit price and for which a meaningful but manageable number of transactions could be obtained for our sample.

a. The seventeen requested LINs have a total of 45 NSNs. One of the LINs (X39735) with two NSNs is not now supported by TACOM and was deleted from consideration in this analysis.

b. Of the sixteen remaining LINs, the Logistics Control Activity had MRP data for 30 NSNs (Appendix H).

2. The hardcopy data received from LCA contained 4,636 records with a 20 April 1981 cutoff date. Of this number, 1,598 records contained an FTR and were free from obvious error. The other 3,038 records include both "open" excess reports and those records for which LCA did not receive an FTR because it contained exception instructions and was mailed.

3. Figure 3 below graphically illustrates the three time intervals analyzed on the basis of the usable records.



Figure 3. MATERIEL RETURNS PROGRAM PROCESS FLOW

For purposes of analysis it was assumed the records were posted to the addressees record concurrent with the posting to the LCA record.

a. The three time intervals represented in Figure 3 are:

(1) <u>FTE Transfer</u> - The time required for an FTE to post to the TACOM computer using the document number date as the starting point. This interval includes that time expended by the reporting activity prior to sending the FTE and that time expended by TACOM to manually register and enter the FTE into the computer.

(2) <u>TACOM Processing</u> - The time it takes TACOM to process the FTE. This interval begins when the FTE posts in the computer until an FTR is posted to close the record. This is the time interval against which the DA goal of 30 days for providing disposition instructions on an FTR is measured.

(3) <u>FTR Transfer</u> - The time interval from the date the FTR posts to the TACOM computer until the reporting activity receives it.

b. To obtain the three time intervals described above, the following four LCA data elements were used.

(1) <u>Document Number Date</u> - The Julian date from the document number was used to represent the base date for each record analyzed.

(2) <u>FTE Post Date</u> - The Julian date the FTE was recorded in the MRP file by LCA.

(3) <u>FTR Transaction Date</u> - The Julian date recorded at LCA as the date on which the FTR was processed for transmission to the reporting activity by TACOM.

(4) <u>FTR Post Date</u> - The Julian date on which the FTR was received and posted to the MRP file by LCA.

4. The LCA data was divided into two groups for purposes of analysis. Group I contains 379 records with data sufficient to analyze each of the three intervals described in paragraph 3 above. Group II contains the balance of usable records (1598-379 = 1219) which unlike Group I transactions do not contain the Julian date an FTE was posted to the Materiel Returns Program file.

a. It should be remembered that since the Report of Excess for major items requiring a technical inspection report must be mailed to the responsible Materiel Readiness Command, then LCA will not normally receive a copy of the FTE. The only exceptions to this are that either LCA is furnished a copy by mail or the FTE was sent to the MRC over AUTODIN; in which case, it could not be accompanied by the inspection report. While Group I data provides a more detailed picture of the records, it fails to portray the actual situation for the reasons just stated.

b. Group II data does not contain the Julian date an FTE was posted to the MRP file, indicating LCA did not receive the FTE. If the excess report was

mailed to the NICP but the reporting activity did not mail a separate copy to LCA, then naturally the FTE does not appear in the MRP file.

c. The fact that Group II data was mailed to LCA while Group I data was, at least in part, transceived indicates the two groups are different to some degree in the actual process involved. Statistical analysis of the two groups of data reveals that the two populations are in fact different. Therefore, Group II more accurately describes the correct process major item excess reports should follow if the technical inspection report is required.

5. Analysis of both groups of data reveals the average number of days required to process major item excess reports to be as indicated in Table 1 below:

Interval	Group I <u>(Sample Size 379)</u>	Group II <u>(Sample Size 1219)</u>	Total Population (Sample Size 1598)
FTE Transfer	19.0	* 167.5	* 163.7
TACOM Processing	132.4)
FTR Transfer	6.6	7.2	7.0
Average Number of	158.0	174.7	170.7

* Insufficient data exists to portray each interval.

Table 1. FTE PROCESSING INTERVALS

a. Even though Group I and Group II data are different from each other, they are subsets of the same data base. Table 1 above contains for the total population of usable records received from LCA a total Average Number of Days to Process major item excess reports of 170.7 days. Regardless of how Group I and Group II data were processed, the fact is that 170.7 days was the average time expended on 1598 records which contained 1,931 assets. b. Because of the lack of total information for the total population, it is not possible to state a definite FTE Transfer time or a TACOM Processing time. However, some Group I records were transmitted over AUTODIN and the average FTE Transfer time was found to be 19 days. While impossible to state the actual FTE Transfer for mailed transactions, it is logical they would take longer than Group I records.

c. Since sufficient data exists for the total population of records to determine that the total of FTE Transfer and TACOM Processing was 163.7 days, TACOM Processing can be estimated. Using the FTE Transfer of 19.0 days, the average time it takes TACOM to process major item excess report is estimated to be 144.7 (163.7-19.0) days. This exceeds the 30-day goal established in AR 725-50 by 114.7 days; thus, it adversely impacts the readiness of the Army. 6. To determine the cost involved by failing to process major item excess reports within 30 days of receipt, it was necessary to determine the average number of days per asset it took to report, process, and provide disposition instructions. The 1,598 records of the total population of data analyzed contained 1,931 major items. The average number of days that each of these 1,931 assets were in the Materiel Returns Program process was 143.8 days.

a. Two sources of pricing information were used for the 30 stock numbers involved.

(1) The US Army Depot System Command (DESCOM) has developed Major Item Planning Prices for use in the Total Army Equipment Distribution Plan (TAEDP). These planning prices were developed to provide more up-to-date, pricing information, especially for those major items for which the standard price is out of date. The prices used were extracted from a DESCOM letter dated 13 May 1981, subject: Draft DA Circular Major Item Planning Prices.

(2) Unit prices were obtained from SB 700-20 (Army Adopted/Other Items Selected for Authorization/List of Reportable Items) for those stock numbers for which TAEDP planning prices were not available.

b. Table 1 showed the length of time it takes to receive, process, and provide disposition instructions on the basis of FTE transactions. Table 2 below provides the same type of information using the average time it takes to process each of the 1,931 assets involved.

Interval	Total Population (Sample Size 1,931 assets)	
FTE Transfer	*	19.0 ^A
TACOM Processing	*	117.8
FTR Transfer	*	7.0 ^A
Total Turnaround	143.8	143.8

* Insufficient data exists to determine each interval
 A Average Transfer (Table 1)

Table 2. ASSET PROCESSING INTERVALS

Analysis of the total file of 1,598 transactions by asset yielded a 143.8-day Total Turnaround for receiving, processing, and providing disposition instructions for 1,931 items. Subtracting the FTE Transfer from Group I data and the FTR Transfer from the analysis of each transaction (Table 1), an average TACOM processing time per asset was found to be 117.8 days (143.8-19.0-7.0).

c. Figure 4 below is useful for understanding this two-part analysis. Figure 4a depicts the average time intervals for each transaction while Figure 4b portrays the average time interval for each asset.







Figure 4b. ASSET PROCESSING

7. Analysis.

a. Implementation of the automated B-series inspection card in place of the US Mail should reduce the FTE Transfer time. Reduction from 19.0 days to an estimated high of 10 days gives a 9.0-day savings with the B-series card.

b. Implementation by TACOM of the TSARCOM procedures will reduce FTE processing to the 30-day goal and provide a total savings estimated to be 114.7 days for transactions and 87.8 days for each item.

(1) TSARCOM procedures (Chapter V) have been in effect for several years.

(2) Conversations with personnel at Fort Bragg indicate prompt disposition instructions are received for TSARCOM transactions while it takes TACOM "...about six months."

c. Implementation of both the B-series inspection card and TSARCOM procedures by TACOM will permit excess transactions to be processed approximately 123.7 days faster. This assumes that TACOM will provide disposition instructions in accordance with the 30-day DA goal.

d. The average number of days saved per asset by implementing the TSARCOM procedures at TACOM is estimated to be 87.8 days; i.e., the current "down-time" for those assets involved would be reduced by an average of 87.8 days. A total of 96.8 days per asset can be saved by also implementing the B-series inspection card. This 96.8-day reduction in administrative downtime should result in increased operational availability of major items; thus, those Army units with on hand assets less than their authorized number will receive faster satisfaction of requisitions. Therefore, total Army readiness is enhanced with no additional expenditure of procurement or maintenance money.

e. Table 3 identifies where savings can be made and their magnitude.

	Current	Savings	New Processing Time
FTE Transfer	19.0	9.0	10.0
TACOM Processing	144.7	114.7	30.0
FTR Transfer	7.0	<u></u>	7.0
Total	170.7	123.7	47.0
	<u>Asset Pro</u>	cessing	,
FTE Transfer	19.0	9.0	10.0
TACOM Processing	117.8	87.8	30.0
FTR Transfer	7.0	- <u></u>	7.0
Total	143.8	96.8	47.0

Table 3. TRANSACTION PROCESSING

8. Appendix I contains a table which identifies for each NSN in the sample used in this study the savings on a per NSN and cumulative basis.

a. The life expectancy for each NSN was obtained from the item manager and was used to determine the value of each asset per day. It was determined that the value of all 1,931 assets over the average 143.8 days required to furnish disposition instructions was 1,527,084.25. The average value of these 1,931 major items for each day they were in a non-usable status or condition was 10,619.50 (1,527,084.25 + 143.8).

b. Multiplying the average value per day by the number of days estimated to be saved by implementation of both the B-series inspection card, and implementation by TACOM of those procedures currently in use at TSARCOM, provides the following savings:

	Days Saved		Non-Use Cost	Estimated Dollars Saved		
B-series inspection card	9.0	X	\$10,619.50	=	\$ 9 5, 575.50	
New TACOM procedures	87.8	X	\$10,619.50		\$932,392.10	
Total Estimated Savings	96.8	X	\$10,619.50	Ξ	\$1,027,967.60	

9. Transaction volume and workload.

a. Data received from TACOM shows that for an 8-month period (November 1980 through June 1981) 7,628 major item reports of excess were received at TACOM. On an annual basis TACOM can be expected to receive 11,442 ((7,628 \ddagger 8) X 12) major item excess reports for an unknown number of assets. This is an average of 44 per day (11,442 \ddagger 260 (average work days/year)).

b. Information obtained from TSARCOM indicates 8,580 major item excess reports will be received in 1981, an average of 33 per day (8,580 ± 260).

c. TSARCOM performs its centralized report of excess processing, described in Chapter V, with two full-time personnel, while TACOM's decentralized procedures (Chapter IV) are performed with five full-time personnel. Furthermore, TSARCOM employs this same concept with three full-time personnel for centralized major item requisition processing.

d. It is estimated that three fewer personnel would be necessary to process excess reports at TACOM if the excess processing procedures now in use by TSARCOM were implemented at TACOM. This would allow TACOM to place these personnel in other areas where they are needed. Additional personnel could be shifted to areas of greater need by decentralizing the major item requisition processing as done by TSARCOM. TSARCOM uses the same Edit Criteria listing for major item requisition processing as used for excess report processing.

10. Benefits from implementation of procedures.

a. No effort was made to estimate the total possible benefit for all TACOM managed major items if the B-series inspection card and new internal procedures were adopted and implemented. Benefits accrue in the form of Increased Usage Value rather than hard dollar savings. Increased Usage Value means the Army gets more use of its equipment (less downtime) which translates directly into improved readiness for no additional procurement expenditure. Benefits were estimated to exceed \$1 million for the 30 NSNs in this analysis using the two previously mentioned changes. Intuitively, this indicates that total accrued benefits would exceed the costs of implementation if benefits were estimated for all applicable major items. In addition, freeing personnel for other functions and increasing the value of LCA management data by more complete records are also benefits.

b. Increased readiness, while difficult to measure monetarily, can be measured through improved materiel availability. Reducing the time a major

item is unusable or unavailable for use without added cost will improve the readiness posture of units assigned low priorities in particular and of the tota! Army in general.

c. Implementation of an automated B-series inspection card will cause it and the FTE it accompanies to pass directly into the computer from the AUTODIN transmission. CCSS will then process the FTE as it does currently, interpret the B card and provide all the current output products plus the interpreted B card to the processing clerk. TACOM currently has five full-time personnel who send the FTEs to the computer and the output products to the inventory manager. It is estimated these could be reduced to two positions if CCSS received the FTEs directly and kept internal suspense records. These two personnel would then process the FTEs with TSARCOM procedures. Personnel savings would amount to \$36,798 (three GS-5 step 1).

d. Reducing the TACOM processing time for Reports of Excess by 114.7 days would reduce the number of Report of Excess Followups (FTF) generated by SAILS every 30 days. Considering that TACOM will receive an estimated 11,442 FTEs for the 12-month period ending 31 October 1981 and that SAILS should generate an FTF every 30 days, then conceivably 34,326 (3 X 11,442) could be avoided by on-time FTE processing. This yields a net savings in AUTODIN traffic when compared to the increase necessitated by the B-series inspection card and eliminates the automatic issue of a Reply to a Report of Excess Delay Status (FTD) in use by TACOM for each major item FTE received.

CHAPTER VIII

FINDINGS, CONCLUSIONS, AND RECOMMENDATIONS

1. Findings.

a. The Logistics Control Activity (LCA) does not receive all major item excess report transactions because many are sent to the DARCOM Materiel Readiness Command (MRC) by mail and not by AUTODIN which is LCA's principal method of data collection.

b. According to paragraph 7-12a of AR 725-50, "Disposition instructions will be furnished on an FTR to the reporting installation within 30 calendar days from date of receipt of the FTE."

c. The 60-day delay status (FTD) TACOM assigns to each major item excess report does not contribute to on-time processing and is contrary to the 30-day processing goal established by DA in AR 725-50.

d. The longer an asset awaits disposition instructions the greater the likelihood of cannibalization for repair parts, degradation of physical condition due to weather, and the reduced value placed on the asset by the reporting activity which contributes to the loss of asset visibility and control.

e. Limiting the number of major items reported on each FTE to one will avoid possible confusion when disposition instructions are issued.

f. TSARCOM currently processes major item requisitions using a centralized concept similar to that used to process major item excess reports.

2. Conclusions.

a. Implementation of a B-series card to automate the flow of technical inspection information will permit faster receipt of the Report of Excess at the wholesale level.

b. The inspection information necessary for the major item manager to process excess reports can be coded on an 80 column and sent over the AUTODIN with the Report of Excess more quickly than by mail.

c. On the basis of 30 NSNs alone, benefits from the B-series card are estimated to be \$95,575.50.

d. TACOM can provide disposition instructions at least 114.7 days faster per transaction and 87.8 days per asset by applying TSARCOM procedures.

e. Estimated avoidable non-use cost in administrative downtime of the 1,931 assets analyzed in this study was \$1,027,967.60 (96.8 days per asset in the Materiel Returns Program pipeline by using current TACOM procedures).

f. Technical inspection of major items should continue as the information is vital for determining the proper condition of materiel.

3. Recommendations.

a. Recommend, subject to the findings of a ccst/benefit analysis, a B-series Document Identifier Code card be developed for transmitting technical inspection data for the Materiel Returns Program.

b. Recommend TACOM use TSARCOM developed excess report procedures to process major item excess reports.

APPENDIX A

ĸ

LIST OF ACRONYMS AND ABBREVIATIONS

AAU	Authorized Acquisition Objective
AR	Army Regulation
ARRCOM	US Army Armament Materiel Readiness Command
AUTODIN	Automatic Digital Network
CCSS	Commodity Command Standard System
CCSSOI	CCSS Operating Instruction
DA	Department of the Army
DAAS	Defense Automatic Addressing System
DARCOM	US Army Materiel Development and Readiness Command
DCF	Document Control File
DESI	Data Entry System Interface
DIC	Document Identifier Code
DRSTA-FDRM	Office Symbol for TACOM Major Item Supply Operation Section
DRSTS-SMMD-T	Office Symbol for TSARCOM Major Item Section
FTE	DIC for Report of Excess
FTR	DIC for Reply to Report of Excess
HEART	He acore Entry and Routing Technique
LCA	US Army Logistics Control Activity
LIN	Line Number
LSO	Logianics Studies Office
MICOM	US Army Missile Command
MILSTRIP	Military Standard Requisitioning and Issue Procedures
MIMEX	Major Item Materiel Excess

A-1

MISD	Management Information Systems Directorate
MRC	DARCOM Materiel Readiness Command
MRP	Materiel Returns Program
MTOE	Modification Table of Organization and Equipment
NSN	National Stock Number
NSNMDR	National Stock Number Master Data Record
PA	Procurement Appropriation
RIC-TO	Routing Identifier Code of Addressee
SAILS	Standard Army Intermediate Level System
TACOM	US Army Tank Automotive Command
TAEDP	Total Army Equipment Distribution Plan
TI	Technical Inspection
TOE	Table of Organization and Equipment
TSARCOM	US Army Troop Support and Aviation Materiel Readiness Command
VES	Value Engineering Study to Improve Disposition of Majo Item Excess

Ì,

A-2

APPENDIX B

R

BIBLIOGRAPHY

AR 11-8	Principles and Policies of the Army Logistics System
AR 725-50	Requisitioning, Receipt and Issue System
AR 750-1	Army Materiel Maintenance Concepts and Policies
TB 43-0140	Instructions for Preparation of Request for Disposition or Waiver (DA Form 3590) for USATROSCOM Equipment
TB 43-0002-81	Maintenance Expenditure Limits for Tactical Wheeled Vehicles Only FSC Group 23 FSC Classes 2320 and 2330
SB 700-20	Army Adopted/Other Items Selected for Authorization/List of Reportable Items
CCSSOI 18-725-100, Vol 8	Commodity Command Standard System Operation Instructions (Functional) Materiel Returns Program
AR 710-2	Asset and Transaction Reporting System
MIL-STD 482A	Configuration Status Accounting Data Elements and Related Features, 1 April 1974
TACOM VES	Value Engineering Study to Improve Disposition of Major Item Excess
LSO Study 903	Major Item Price Update Procedures, December 1979 Mr. Joseph A. Dodge

APPENDIX C

Inspection Forms

VEHICLE CLASSIFICATION INSPECTION														
HOMENELATURE								REGISTA	A TION NO.	0A1			CLIVER	Y
MANUFACTURER				e.				IAL	108	in.	EA4			
							1 100 1			DA1			HECON	AEP
													·····	
i7 en	91 A & 11 0 9 19	SATISFACTORY	REPAIR	RPLACE	ISA II- NGURS LABOR	COI OI PAR	1T P 1T5	ITEM	DIA G NOSIS	SATING ACTORY	REAM	BON YOR	HAN- Hours Lason	COST OF PARTS
e uniPERI								THERMOSTAT AND HOSES						
TODING CONDECTIONS			_					WATER PUMP AND FAN						
										L	L			
AND GRILLE			_					AM Cumpintasten						
HOOD AND FENOENS														
			_					AND LINES		L		Ļ		
CANVA8						 r		SENERATOR OR ALTERNATOR	<u>`</u>	Ļ				
PAINT								RECULATOR		┢	┡	Ļ		
			L.,						<u> </u>	Ļ	 	L		
			-							┝	┝			
AND BLADES			Ļ	┝				BUTRIBUTOR		-	┝	┝	╂	
			┡	┝	┝──	_		AND POINTS		┢	┢─		┠	
HEATER				_		ļ				-	L	L		
TACHONETER		-	Ļ.		 	 		AND CABLES		-	-		ŀ	
VOLTMETER				L	+	<u> </u>		OUT HEADLIGHTS		Ļ	-	-	<u> </u>	
		L	-		<u> </u>	1		TAILLIGHTS	 	 				
UPHOLOTERY		\vdash		L				CLEARANCE AND MARKER LIBHTS			-		 	
P1.000		L	 	L	L	 				Ļ	L	L	 	
	·	L			Ĺ -	 				_	L		 	
F 100111E		L			 	 		CARLINETON		Ļ		 _	 	
CYL HEAD AND BLOCK		L		 	L					Ļ	Ļ	L	 	L
VALVES AND PIETON RIMES		L	 		 			PUEL PUMP AND PILTER		ŀ	L	Ļ		
INT AND EXH MANIFOLDS		L	Į_	Ļ	┡╾	 		FUEL TANK AND		-	┢	L		
01L PAN	·		Ļ	┞	┣					-	L	-	ļ	
OIL PUMP AND		_	L	╞	┢	ļ		EEMAUST AND TAILPIPES		-	L	L	ļ	
OIL PILTER AND								CLUTCH						ļ
· ·	SUBTOTALS				1			30	PTOTALS					

DA . Set .. 461-5

	-		<u> </u>		-							
			ð		ä						10NS	
ITEM	DIA	L NO 515	PACY	EPAI	PLAC	HANH	C087 97					3
			8AT IS	¢.	Ŧ							
TRAMOMETON			Н									
					-							
					┝─							
DIPPERENTIAL					-							
PRONT ALLE					┝		<u> </u>					
				-			<u> </u>					
REAM ARLE			\square									
			H	┝╴	\vdash							
			H	-	┢╴	<u>}</u>	 		<u> </u>	**		
SVE BRAKE				┢╌	┢		<u> </u>					s
MAST ER			┠╌┤	┢╴	┢╴							
AR-HYDRAULH	 		┝	┢╴	┝	├		 				
			┝	┢	┢╴		┣───					
			╋╌	┢	┝							
STEERING SEAR			╀─	┝	┞	┠		REMARK				
			╉╌	┢	┢	┼──	<u> </u>	ł				
BHBCK BHBCK		<u></u>	┝	┝	┝		<u> </u>	ł				
4.00000 CND		~	╀╴	┝	┝		┼───	ł				
	}		┝	┝	┢		╂───					
	┠───	·	╀╌	┡	╀╴	┼──		ł				
		<u>-</u>	┼╌	┝	┝							
		<u> </u>	╀─	┝	┡	┼	╂───-	TOTAL		.0575	COSTS DUE T	
	 		╀╌	┢	╞	<u> </u>	╂───	LABOR	OVERHEAD		AND OVERHEAD	P
<u> </u>		<u>-</u>	┞	╀╴	┢	 	╂	HATE PE		•	COST OF PARTS	
	┢		┢	┞	┡	╂		LABOR L	GVERHEAD	8	TOTAL COOT	<u> </u>
 	 		╀╴	╞	┡	╂		PARTS			OTHER COST	3 (2.104)
	<u> </u>		╞	L	Ļ	┣	┨───	-		•	· · · · · · · · · · · · · · · · · · ·	
J	 		╞	╞	╞	╂	 	EAPENO		s		
J	L		L	L	L	┣	<u> </u>	PREVIOL		•	ļ	
	JUSTOT	AL8			_			EZPEND	LATED REP	•	l	L
	T I D M	INSTALLAT	ION						SIGNATURE G	F INSPECTOR		

Å

C - 2

and a second state of the second of the second states and 5 - Nata **ne** i e la EQUIPMENT INSPECTION AND MAINTENANCE WORKSHEET For use of this form, ore TM 38-756, the proving in the Office of the Deputy Chief of Bieff for Legistice, L'ORGANIZATION JL, HOMENELATURE AND MODEL & REGISTRATION/SERIAL/P IN . HOTANTS L TYPE MAPEETION BATE APPLICABLE REFERENCE 1. TH NUMBER -TH BATE -----. INSTRUCTIONS - Perform each check listed in the TH applicable to the inspection performed. Following the sequence listed in pertinent TH, complete form as follows: COLUMN d - Show corrective action for deficiency or short-coming listed in Column c. COLUMN a - Enter The item number, COLUMN b - Enter the applicable condition status symbol, COLUMN e - Individual ascertaining completed corrective action initial in this column, COLUMP & - Enter deficiencies and shortcomings, ALL INSPECTIONS AND EQUIPMENT CONDITIONS RECORDED ON THIS FORM HAVE BEEN DETERMINED IN ACCORDANCE WITH BIAGNOSTIC PROCEDURES AND STANDARDS IN THE TH CITED HEREON, to a anature (Personal performing improving the 14. BEBRATURE (Maintenance Supervieur) IS. MANHOUAS SA TIME TH ITEM NG INITIAL STATUS DEFICIENCIES AND SHORTCOMHES CORRECTIVE ACTION WHEN CORRECTED . ٠ . 1 ÷ ۲.

DA 2404

......

.C-3

USE TYPEWRITER OR PRINT FIRMLY ON HARD SURFACE WITH HARD PENCIL OR BALL-POINT PEN

5

•••

9

INTERNATIONAL LEVEL Image: State of the state state of the state of the state state of th	INDM - ORM NEGOLEX - Description - Description INDM - Description - Description - Description A 92 995 - Description - Description - Description A 92 995 - Description - Description - Description A 92 995 - Description - Description - Description A 1000000 - UNIT OFFICE - Description - Description ADMINITION OF DESCRIPTION - UNIT OFFICE - Description - Description ADMINITION OF DESCRIPTION - UNIT OFFICE - Description - Description - Description ADMINITION OF DESCRIPTION - UNIT OFFICE - Description - Description - Description - Description ADMINITION OF DESCRIPTION - UNIT OFFICE - Description - Description - Description - Description DESCRIPTION OF DESCRIPTION - UNIT OF DESCRIPTION - DESCRIPTION - DESCRIPTION - DESCRIPTION - DESCRIPTION DESCRIPTION - DESCRIPTION - DESCRIPTION - DESCRIPTION - DESCRIPTION - DESCRIPTION - DESCRIPTION DESCRIPTION - DESCRIPTION - DESCRIPTION	CTION I	al Smill for Lagistics.	addition	it data	_ <u> </u>		CSGLD 1047 (R1)
APPENDER NUMBER 1 - OPENNELSTON 1 - OPENNELSTON 1 - OPENNELSTON APPENDER NUMBER 2 - HOUR HOUR OF LATURE 4 - Link HUMBER 2 - MOUNDER APPENDER ACTIVITY 2 - HOUR HOUR OF DEF 4 - Link HUMBER 2 - MOUNDER APPENDER ACTIVITY 2 - HOUR HOUR OF DEF 4 - Link HUMBER 4 - MOUNDER APPENDER ACTIVITY 2 - HOUR HOUR OF DEF 2 - MOUNDER 4 - MOUNDER APPENDER ACTIVITY 2 - HOUR HOUR OF DEF 2 - MOUNDER 2 - MOUNDER APPENDER ACTIVITY 2 - HOUR HOUR OF DEF 2 - MOUNDER 2 - MOUNDER APPENDER ACTIVITY 2 - HOUR HOUR OF DEF 2 - MOUNDER 2 - MOUNDER APPENDER ACTIVITY 2 - MOUNDER 2 - MOUNDER 2 - MOUNDER 2 - MOUNDER APPENDER ACTIVITY 2 - MOUNDER APPENDER ACTIVITY 2 - MOUNDER 2 - MOUNDER <td< th=""><th>Itele Orden in the orden in the second of the second of</th><th></th><th></th><th></th><th></th><th>EIN</th><th></th><th>ANIZATION E PRIORITY GNATOR CODE</th></td<>	Itele Orden in the orden in the second of					EIN		ANIZATION E PRIORITY GNATOR CODE
492995 3. NOUN HOW INCLATOR 4. Link Howard 9. NOON 4. Notesta MANTENANCE ACTIVITY 8. UNLATION COORT 6. ELECTED TOL 0. HATOMAL HOCK INVENTION OF TABLES 2. ROUNDE MANTENANCE ACTIVITY 8. UNLATION COORT 10. Prof. 0. HATOMAL HOCK INVENTION OF TABLES 2. ROUNDE MANTENANCE ACTIVITY 8. UNLATION COORT 10. Prof. 10. Prof. 10. Prof. 10. Prof. MANTENANCE ACTIVITY 8. UNLATION COORT 10. Prof. 10. Prof. 10. Prof. 10. Prof. MANTENANCE ACTIVITY 8. UNLATION COORT 10. Prof. 10. Prof. </td <td>492995 2. HOUR ROUNDERFORMED + UNKNOWNELLING 9. HOUR ROUNDERFORMED + UNKNOWNELLING AMATHANEL ACTIVITY 4. UNKNOWNELLING 9. HOUR ROUNDERFORMED + UNKNOWNELLING 1. HOURDERFORMED + UNKNOWNELLING AMATHANEL ACTIVITY 4. UNKNOWNELLING 9. HOUR ROUNDERFORMED + UNKNOWNELLING 1. HOURDERFORMED + UNKNOWNELING 1.</td> <td>TROL NUMBER</td> <td>I . ORGANITATIO</td> <td>N</td> <td>& LOCATIO</td> <td>N</td> <td></td> <td>C. UNIT IDEN CO</td>	492995 2. HOUR ROUNDERFORMED + UNKNOWNELLING 9. HOUR ROUNDERFORMED + UNKNOWNELLING AMATHANEL ACTIVITY 4. UNKNOWNELLING 9. HOUR ROUNDERFORMED + UNKNOWNELLING 1. HOURDERFORMED + UNKNOWNELLING AMATHANEL ACTIVITY 4. UNKNOWNELLING 9. HOUR ROUNDERFORMED + UNKNOWNELLING 1. HOURDERFORMED + UNKNOWNELING 1.	TROL NUMBER	I . ORGANITATIO	N	& LOCATIO	N		C. UNIT IDEN CO
	EAAL NUMBER 3. HOUR ROUGE/LIVER 4. LINE NUMBER 1. HOURSE 1. HOURSE ADMITENANCE ACTIVITY 6. UNALION CODET 5. SLACED TEXT 0. U., Heijit under inter and the state of the state	492995						
ALINETRANCE ACTOURT	ALLER DETECTION OF ALL CONTROL OF A		3. NOUN NOME NO	LATURE 4. LINE NU	INDER S. MODEL	4 N	TIONAL STOC	NUMBER
ATTENDE ATTENT	ALTERNAL ALTERNY			ODEL 9 SELECT		10 #	URS IT. MILE	11. ROUNDE 13. 1
Faculta Detriction Suffer Same Law of an All Table Detriction Suffer Same Law of an All Distriction Detriction Suffer Same Law of an All Distriction Detriction Suffer Same Law of an All Distriction Detriction Detriction Suffer Same Law of an All Distriction Detriction Detrinted Detriction Detriction Detriction Detriction De	PARUER DETECTED DUMING (Mater and - 1 year) PARUER DETECTED DUMING (Mater and - 1 year) PARUER TO USING THIS PORM READ (AREFULLY THE STAR BY STEP INSTRUCTIONS IN TM 38 750 USING THIS PORM READ (AREFULLY THE STAR BY STEP INSTRUCTIONS IN TM 38 750 USING TO USING THIS PORM READ (AREFULLY THE STAR BY STEP INSTRUCTIONS IN TM 38 750 USING THIS PORM READ (AREFULLY THE STAR BY STEP INSTRUCTIONS IN TM 38 750 USING THIS PORM READ (AREFULLY THE STAR BY STEP INSTRUCTIONS IN TM 38 750 USING THIS PORM READ (AREFULLY THE STAR BY STEP INSTRUCTIONS IN TM 38 750 USING THIS PORM READ (AREFULLY THE STAR BY STEP INSTRUCTIONS IN TM 38 750 USING THIS PORM READ (AREFULLY THE STAR BY STEP INSTRUCTIONS IN TM 38 750 USING THIS PORM READ (AREFULLY THE STAR BY STEP INSTRUCTIONS IN TM 38 750 USING THIS PORM READ (AREFULLY THE STAR BY STEP INSTRUCTIONS IN TM 38 750 USING THIS PORM READ (AREFULLY THE STAR BY STEP INSTRUCTIONS IN TM 38 750 USING THIS PORM READ (AREFULLY THE STAR BY STEP INSTRUCTIONS IN TM 38 750 USING THIS PORM READ (AREFULLY THE STAR BY STEP INSTRUCTIONS IN TM 38 750 USING THIS PORM READ (AREFULLY THE STAR BY STEP INSTRUCTIONS IN TM 38 750 USING THIS PORM READ (AREFULLY THE STAR BY STEP INSTRUCTIONS IN TM 38 750 USING THIS PORM READ (AREFULLY THE STAR BY STEP INSTRUCTIONS IN TM 38 750 USING THIS PORM READ (AREFULLY THE STAR BY STEP INSTRUCTIONS IN TM 38 750 USING THIS PORM READ (AREFULLY THE STAR BY STEP INSTRUCTIONS IN TM 38 750 USING THIS PORM READ (AREFULLY THE STAR BY STEP INSTRUCTIONS IN TM 38 750 USING THIS PORM READ (AREFULLY THE STAR BY STEP INSTRUCTIONS IN TM 38 750 USING THIS PORM READ (AREFULLY THE STAR BY STEP INSTRUCTIONS IN TM 38 750 USING THIS PORM READ (AREFULLY THE STAR BY STEP INSTRUCTIONS IN TM 38 750 USING THIS PORM READ (AREFULLY THE STAR BY STEP INSTRUCTIONS IN TM 38 750 USING THIS PORM READ (AREFULLY THE STAR BY STEP INSTRUCTIONS IN TM 38 750 USING THIS PORM READ (AREFULLY THE STAR BY STEP INSTRUCTIONS IN TM 38 750 USING THIS PORM READ (AREFULLY THE STAR BY STEP INSTRUCTIONS IN TM 38 750 USING THIS P	LAINTENANGE ACTIVITY			· []] ·	•		
IDDIVIGNATION IDDIVIGNATION<		FAILURE DETECTED DURING (Sel	ect one - v - zy'or X)	15. FIRST	INDICATION OF TRO	JOLE (Select une	ust y or X)	
PRIOR DUPCLINCIES ON THEFTONT ON THE LASS OF COMPLETE CREEKOUT AND DUGGNOSTIC PROCEDURE IN EQUIPMENT THE /Do mini preserved regain) PRIOR TO USING THIS FORM READ CAREFULLY THE STRE BY STEP INSTRUCTIONS IN TH 3R 750 USES THE PROVIDE THE FORM READ CAREFULLY THE STRE BY STEP INSTRUCTIONS IN TH 3R 750 USES AND WEISEUCTIONS I. When all appropriate entries are made in Section 1, THIS FORM READ CAREFULLY THE STRE BY STEP INSTRUCTIONS IN TH 3R 750 USES AND WEISEUCTIONS I. When all appropriate entries are made in Section 1, THIS FORM READ CAREFULLY THE STRE BY STEP INSTRUCTIONS IN TH 3R 750 USES AND WEISEUCTIONS I. When all appropriate entries are made in Section 1, THIS FORM RECOLES AND WEISEUCTIONS I. When all appropriate entries are made in Section 1, THIS FORM RECOLES AND WEISEUCTIONS I. When all appropriate entries are made in Section 1, THIS FORM RECOLES AND WEISE WEIGHT of all three, provide the basis for controller and/or and/or section that the section of and/or section that the section of and/or section the section of and/or section theory and/or three apprints are and the section of and/or section theory and/or three apprints are and/or section theory and/or three apprints are and/or section theory and/or three apprints are apprint and/or three apprints are apprinted and theory and/or three apprints are apprinted and the section of and/or section theory and/or three apprints are apprinted and the apprint and the apprint and/or three apprints are apprinted and the apprint and the apprint and the apprint and/or three apprints are apprinted and the apprint and the apprint apprint and/or three apprints are apprinted and the apprint apprint and/or th		TA MAINTENANCE [] TEST	INSPECTION		NOISY	1307 LOW PERFOR		
	HOR TO USING THIS FORM READ CAREFULLY THE STEE AY STEP INSTRUCTIONS IN TH 38 750 Uses AND WINUCTIONS THE Control of Controls AT SUFFORT WINUTH, TANTESANCH CLEVEL Benering regaring and makes Social and m	BESCRIBE DEFICIENCIES OR SYMP	TOME ON THE BABIS OF C	OMPLETE CHECKOUT AN	D DIAGNOSTIC PRO	EDURE IN COUIPM	EHT TH (Du not	preservice repairs)
							~~~~~	
	APP THE OPCONTEXT OF A START AND AN AND AN AND AN AND AN AND AN AND AN AND AND							
	PRIOR TO USING THIS FORM READ CAREFULLY THE STAR BY STEP INSTRUCTIONS IN TM 38 750     USES AND WIREUCTIONS      Uses AND WIREUCTIONS      Uses AND WIREUCTIONS      Uses AND WIREUCTIONS      More and approved to service and a location in this STORM BROMES A FORM PSCULAR is a specific weepon system. Here of resignment of the same PSN that service and the there defines the same PSN that same PSN that service and the start PSN that same PSN that same PSN that there are psecific weepon system. Here of resignment of the same PSN that same PSN that there are psecific weepon system. Here of resignment of the same PSN that same PSN that there are psecific weepon system. Here of resignment of the same PSN that there are psecific weepon system. Here of resignment of the same PSN that there are psecific weepon system. Here of resignment of the same PSN that there are psecific weepon system. Here of resignment of the same psecific weepon system. Here of resignment of the same psecific weepon system and the same psecific weepon system. Here of resignment is the same psecific weepon system and the same psecific weepon system. Here of the same psecific weepon system and the same psecific weepon system and the same psecific weepon system. Here of the same psecific weepon system and the same psecific weepon system an							
	A THE SOCKATIZATIONAL LATERS      More all appropriate another are adde to Sertion. I, THIS FORM ARCOLES A FORM YEAULIAN IN a specific respon hydres. Rem of religioners / II     submitted and there, provides the basis for constraining intermed relian. This form will be used for:     A THE SOCKATIZATIONAL LATERSE.     A THE SOCKATIZATIONAL LATERSE.     A Reporting the mainteen and the basis for constraining the mainteen and religioners in provides the basis for constraining the installation of use and the transmitter of the form will be used for:     A THE SOCKATIZATIONAL LATERSE.     A Reporting the formation of RAME     A REPORTING THE REPORT THE REPORT THE REPORT RE							
A PROPER TO USING THIS FORM AEAD (AREFULLY THE STEP BY STEP INSTRUCTIONS IN TM 3A 750     USIS AND WITHUTTONS      Usis AND WITHUTTONS     Usis AND WITHUTTONS     Usis AND WITHUTTONS      Usis AND WITHUTTONS      Usis AND WITHUTTONS      Usis AND WITHUTTONS      Usis AND WITHUTTONS      Usis AND WITHUTTONS      Usis AND WITHUTTONS      Usis AND WITHUTTONS      Usis AND WITHUTTONS      Usis AND WITHUTTONS      Usis AND WITHUTTONS      Usis AND WITHUTTONS      Usis AND WITHUTTONS      Usis AND WITHUTTONS      Usis AND WITHUTTONS      Usis AND WITHUTTONS      Usis AND WITHUTHUTH      Usis AND      USIS AND      Usis AND      USIS AND	PRIOR TO USING THIS FORM READ CAREPULLY THE STEP BY STEP INSTRUCTIONS IN TM 38 750     Uses AND WHENCTONS      Uses AND WHENCTONS      Uses AND WHENCTONS      Uses AND WHENCTONS      THE OKOANIZATIONAL LEVEL     Reporting the transmission of the same PSN The Section if or life or a combination of all others, when cambined with effective sectors by the sector if or controlled antisenses effective sectors in the provide the basis for controlled antisenses effective sectors in the provide sectors in the sectors in the provide sectors in the sectors in the sectors in the provide sectors in the sectors in the provide sectors in the sectors in the sectors in the provide sectors in the sectors in the sectors in the sector in the sector in the sectors in the sector in the sectors in the sector in t							
ALLON TO USING THIS FORM READ CAREFULLY THE STAR BY-STEP INSTRUCTIONS IN TAM 34 752 USES AND INSTRUCTIONS     4. When all appropriate entries are made in Section 1, THIS PORM PSCOMES A FORM PSCULIAN is a specific weepon system. Here of equipment of 1 dimensions and and interesting and interesting with the same PSM. This Section, then cambined with either Section II or III or a combination of all interesting and malaries. 5. And CANIZATIONAL LEVEL 6. Reporting testing and malaries. 8. Reporting testing in discussions of all pipment improvement interformed and interformed and interformed and interpretenting malaritations of all pipment improvement interformed. 9. Submitsion of Equipment interpretent inter	A USE AND WEINFORM SEAD CAREFULLY TAK STAR & STEP INSTRUCTIONS IN TW 34 730 USES AND WEINFORMS   Submitted to a specific exception environment of the same system and the same system as a septem system system system and the same system at a signer system. The system							
ALLENDE DU DE LA CONTRETE CARRENCIA UN DES DE LA STER BY STER INSTRUCTIONS IN TM 38 750     UESS AND INSTRUCTIONS      SEGNAND AL SEVENT.     AL DEPORT MAIN TENANCE LEVEL     AL DEPORT MAINTENANCE LEVEL     AL DEPORT	ALIGNE TO USING THIS FORM READ CAREFULLY THE STATE & STEP INSTRUCTIONS IN THAT AS A DEMONSTRUCTION IN THE SECOND IS A DEMONSTRUCTION IN T							
USES AND WEREUCTIONS  I. When all appropriate entries are made in Section 1. THIS FORM RECOMES A FORM PECULIAR is a specific weapon system, item of realignment of all three provides the basis for controlled in mainteners escention. This Section, This Section, How and Bot.  AT THE ORGANIZATIONAL LEVEL  A Requesting repairs and mainteners escitons. This form will be used for.  AT THE ORGANIZATIONAL LEVEL  A Requesting repairs and mainteners escitons. This form will be used for.  AT THE ORGANIZATIONAL LEVEL  A Requesting repairs and mainteners escitons. This form will be used for.  AT THE ORGANIZATIONAL LEVEL  A Submission of Apulament in the installation of equipment ingetoxement Recommendations  A Submission of Apulament ingetoxement Recommendations  A Recording rescipt of differit enhances are considered as a submission of Relations of a submission of Apulament ingetoxement Recommendations  A Submission of Apulament ingetoxement Recommendations  A Reporting rescipt of differit enhances are considered as a submission of Relations of a submission of Apulament ingetoxement Resommendations  A Reporting rescipt of differit enhances Reports)  A Report and rescipt of differit enhances Reports)  A Reporting rescipt of differit enhances Reports)  A Reporting rescipt of differit enhances Reports)  A Report and and rescipt manaces Reports)  A Reporting res	USES AND METROCOPPS	PRIO	to using this form	READ CAREFULLY T	HR STRP BY STEP	INSTRUCTIONS I	N TM 38 750.	
	1. When all segregates entries are made in Section 1. THIS FORM BECOMES A FORM PECULIAN is a specific weapon system. Here of equipment <i>s</i> , it is compared to a specific weapon system. Here of equipment <i>s</i> , it is compared with either Section 11 or 11 or 1 or 11 or 1 or number allow of all three. Joint Section This form will be used for: AT THE ORGANIZATIONAL LEVEL <ul> <li>Reporting ecomplishment of Mainteener early the herein allow of all here. Allow and the internation of a submitteener of a specific weapon system. Here of equipment <i>a</i>, and the herein allow of all here. Now O Bar and the herein allows and the same herein and the same herein allows and the same herein and the same herein allows and the same herein al</li></ul>			USES AND IN	STRUCTIONS			
						A 42		use of equipment of its
of all three, provides the basis for controlled minimum deter section. Inter this will be due to::       AT THE ONGANIZATIONAL LEVEL       AT SUPPORT MAINTENANCE LEVEL       AT OUTPORT MAINTENANCE LEVEL       AT DEPOT MAINTENANCE LEVEL       A Reporting the basis internance work and/or service scaling         a. Reporting due basis on Poulprent Improvement Becommendations (EIR)       Beporting the basis internance work and/or service scaling       A Submission of Equipment Improvement Becommendations (EIR)       Beporting the basis internance work and/or service scaling       A Submission of Equipment Improvement Becommendations (EIR)         a. Reporting needing detective methods       (B) Reporting methods detective methods       Beporting the basis internance work and/or services between sheps       Beporting methods and the method service of another flaid maintenance work and/or service of another flaid         b. Submittenance       Stabulited to the designated Department of the Army agency Check 'Vignet' Needework' with a submitted to the designated Department of the Army agency Check 'Vignet' Needework' with a submitted with the message number indicated as part of the army agency Check 'Vignet' Needework' as service of the army agency Check 'Vignet' Needework' arm of the Army agency Check 'Vignet' Vign	of all fitter, provide the same for controlled minimized entities.       AT THE ORGANIZATIONAL LEVEL       AT SUPPORT MAINTENANCE LEVEL       AT DEPOT MAINTENANCE LEVEL       AT DEPOT MAINTENANCE LEVEL       AT DEPOT MAINTENANCE LEVEL       Control of the same same scale and provide sca	1. When all appropriate entri component or separate assemb	ies are made in Section 1, bly, or a group of similar	items with the same FSI	S A FORM PECULI N This Section, whe	All is a specific w a combined with el	ther Section II (	or III or a combination
AT THE ONGANIZATIONAL LEVEL  A TABUMENT AND LEVEL  A TABUMENT MAIN LEVEN C CONCENTRATIONAL LEVEL  A TABUMENT AND ALL ALL ALL ALL ALL ALL ALL ALL ALL AL	AT THE ORGANIZATIONAL LEVEL  AT SUPPORT MAINTENANCE ALEVEL  A REMERSION OF ALEVEL  A REMERSION O	of all three, provides the basis	i for controlled maintenan	A BUILD AND A AND A			AT DEPOT N	AINTENANCE LEVEL
nance services. b. Reporting sceemplishiment of Submitsion of Auignment Improvement Recommendations (EIR). c. Requesting repair of unscrites here schange procedures. c. Beporting receipt of defective material. f. Requesting mathemane evolution (EIR). and a lower here and/or envices between shaps of a given field maintenance with and/or envices between shaps of a given field maintenance with and/or envices between shaps of a given field maintenance with and/or envices between shaps of a given field maintenance with and/or envices between shaps of a given field maintenance with and/or envices between shaps of a given field maintenance with and/or envices between shaps of a given field maintenance with and/or envices between shaps of a given field maintenance with and/or envices between shaps of a given field maintenance with and/or envices between shaps of a given field maintenance with and/or envices between shaps of a given field maintenance with and/or envices between shaps of a given field maintenance with and/or envices between shaps of a given field maintenance with and/or envices between shaps of a given field maintenance with and/or envices between shaps of a given field maintenance with and/or envices between shaps of a given field maintenance with and/or envices between shaps of a given field maintenance with and/or envices between shaps of a given field maintenance w	name services. b. Reporting accemplishment of Modification Work Orders. c. Submission of Equipment Improvement Recommendations ( <i>EIR</i> ). c. Submission of Equipment Improvement Recommendations ( <i>EIR</i> ). d. Reporting accept of detective means accompliablement. i. a name of the installation of detective means accompliablement. d. Reporting accept of detective means accompliablement. d. Submission of Equipment Improvement Recommendations ( <i>EIR</i> ). d. Reporting accept of detective means accompliablement. d. Reporting accept of detective means accompliablement. d. Submission of Equipment Improvement Recommendations ( <i>EIR</i> ). d. Reporting accept of detective means accompliablement. d. Reporting accept of detective means accept at a higher acchered accept acceleration of the Army agency. Check Turgon' in Section 11. d. Reporting the acter of a support of the acter acceleration of the Army agency. d. Reporting the acter of the acceleration of the Army agency. d. Reporting the acceleration of the Army agency. d. Reporting the acceleration of the Army agency of the Army agency. d. Reporting the acceleration of the Army agency of the Army agency. d. Submitted to the designated Department of the Army agency. d. Reporting the acceleration of the Army agency of the Ar	AT THE ORGANIZATIONAL a. Requesting repairs and	.I.EVEL mainte a Ke	Cording maintenance wor	k and/or service actu	ally	a. Repor	ting the installation of
Modification Work Orders. C. Submission of Kulpment improvement Recommendations Provement Recommendations ( <i>ERP</i> ). A. Reporting respir of defetive material. I. Requesting respir of defetive material defetive material. B. Requesting maintenance with and/or errords able compending. assemblies a. Requesting maintenance with and/or errords able serves abaps of a given field maintenance with and/or errords able serves abaps of a given field maintenance with and/or errords able serves abaps of a given field maintenance with and/or errords able serves abaps of a given field maintenance with and/or errords able serves abaps of a given field maintenance with and/or errords able serves abaps of a given field maintenance Regures). 3. SUBMITTING SEPARATE RQUIPMENT IMPROVEMENT RECOMMENDATIONS ( <i>EIR</i> ² ). a. EMERGENCY RIN: will be submitted to the designated Department of the Army agency b electrical message A fullow-up DA Form 2407, check "Emergency" in Section III will be submitted to the designated Department of the Army agency. Check "Urgent" in Section III. c. DRITTINE ERR operated as a separate action will require only normal mailing of the NMP Cupy 2 to the designated Department of the Army agency. Check "Routine" in Section III. SECTION III - EQUIPMENT IMPROVEMENT IMPROVEMENT IMPROVEMENT INFORMENDATION SECTION III - EQUIPMENT IMPROVEMENT IMPROVEMENT INFORMENDATION SECTION III - EQUIPMENT IMPROVEMENT IMPROVEMENT INFORMENDATION SECTION III - EQUIPMENT IMPROVEMENT IMPROVEMENT IMPROVEMENT INFORMENDATION SECTION III - EQUIPMENT IM	Modification Work Orders       E. Submission of Equipment improvement Recommendations       provement Recommendation (EIR).         Improvement Recommendation (EIR).       E. Requising result of discrete aching procedures.         Improvement Recommendation (EIR).       E. Requising mainters of discrete material.       (EIR).         Improvement Recommendation (EIR).       E. Requising mainters of discrete material.       (EIR).         Improving result of discrete aching procedures.       Bagesting mainters of an one Shop Meantermeet Requires.       (EIR).         SUBMITTING SEPARATE RQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIRs).       Bagesting mainters of the spin status and subscisso as at a higher excite a measage of the spin status and subscisso and spin status and subscisso and spin status and subscisso and spin status and status and subscisso and spin status and status and status and spin status and status and subscisso and spin status and status and spin status and status and spin status and spin status and statu	b. Reporting accomplishin	nent of b. Re	porting the installation of	equipment modificati		b Subm	ission of Equipment Im
A Requesting respin of defective     A Requesting respin of direct exchange procedures.     A Requesting respin of defective     material     A Requesting respin of defective     and the second of direct exchange procedures.     A Requesting maintenance south and/or services between sheps     A Requesting maintenance work and/or services between sheps     A Requesting maintenance many agency between sheps     A fullow-up DA Form 2407, check     Requesting seesing of the Army agency. Check '' Urgont' in Section III.     A Routine 'is Section III.     Bushityred will be submitted between sheps     Section III.     Subhityred by     S	Provement Recommendations (B.R).  A. Requesting regin of univerviceable compensations assemblies as a regul of direct exchange procedure.  I may be used to record main- in maximum of a filling regin of univerviceable compensations of all as higher choice (There Shop Measurements Regularity of advective material.  I. Regulating regin of	Modification Work Orders. c. Submission of Equipme	c. Sul entim- (EIR)	amission of Equipment in	nprovement Kecomine	ndenons	bronemister ut	commencencies (2174).
Beyoning receipt of definition material.     C. Reporting receipt of definition material constraints of the Army agency.     C. Reporting receipt of definition material material material.     C. Reporting receipt of definition material department of the Army agency.     C. Reporting receipt of definition material material material.     C. ROUTINE CIR's will be submitted with the massage number indicated as part of the entrastitive remarks in Hink 33     C. ROUTINE CIR's prepared as a separate action will require only normal mailing of the NMP Cupy 2 to the designated Department of the Army agen     Check "Routine" is Section 11.     Submitted by     Section 11.     Submitted by     Section 11.     Submitted by     Section 11.     Section 11.     Section 11.     Section 11.     Section 11.     Section 12.     Section 13.     Section 13.     Section 14.     S	matrixel         i. Reporting receipt of detective material.         i. Reporting maintenance with and/or services between sheps         of a given flat maintenance with and/or services between sheps         of a given flat maintenance with and/or services and another flat         maintenance with or activity within the same schelon or at a higher         chief of Africance Rquerely.         SUBMITTING SEPARATE RQUIPMENT IMPROVEMENT RECOMMENDATIONS ( <i>ELR</i> ³ ).         a. RM ROCENCY RIRs will be submitted to the designated Department of the Army agency by electrical message A fullow-up DA Form 2407, checked         "Recepting maintenance withing a part of the army agency. Check " Urgent" in Section 111.         (	d. Reporting receipt of def	( <i>EIR</i> ). d. Re lective and subar	questing repair of unservi- memblics as a result of dir	iceable components, a act exchange procedu	894m D186 rcs.		
Image: accomplitishments       of a given field maintenance white of (Intro-Shop Maintenance Request).         B. Requesting maintenance white orth and/or service of another field maintenance unit or activity white the same excision or at a higher exchained (Intro-Shop Maintenance Request).         B. SUBMITTING SEPARATE RQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIRs).         B. EM.RECENCY KIR's will be submitted to the designated Department of the Army agency by electrical message A follow-up DA Form 2407, check "Emergency" in Section III will be submitted to the designated Department of the Army agency between the section III.         C. UNGENT EIR's will be alternated to the designated Department of the Army agency. Check "Uncert in Section III.         C. BOITINE EIR's propared as a supparent action will require only normal multing of the NMP Cupy 2 to the designated Department of the Army agency. Check "Routine" in Section III.         SUBMITTED BY       14. RECEIVED 97         SECTION III - EQUIPMENT IMPROVEMENT RECOMMENDATION         SUBMITTED BY       14. RECEIVED 97         SECTION III - EQUIPMENT IMPROVEMENT RECOMMENDATION         SECTION III - EQUIPMENT IMPROVEMENT RECOMMENDATION         SECTION III - EQUIPMENT IMPROVEMENT RECOMMENDATION         SUBMITTED BY       14. RECEIVED 1000 (INT UNPROVEMENT RECOMMENDATION)         Nonvia. Ref So End (Solver) one S		materiel.	e. Re 1 main- /. Re	porting receipt of defective questing maintenance wo	r materiel. rk and/or services bet	ween shaps		
		tenance accomplishments.	of a given g. Re	field maintenance shup ( ) questing maintenance wo	Intro-Shop Maintenni rk and/or services of	another field		
2. SUBNITTING SEPARATE RQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR's).   a. EMERGENCY RIR's will be submitted to the designated Department of the Army agricy by electrical message A follow-up DA Form 2407, check   "Emergency" in Section III will be submitted with the message number indicated as part of the Army agricy. Check "Digent in Section III.   c. ROUTINE EIR's will be ainmailed to the designated Department of the Army agricy. Check "Section III.   c. ROUTINE EIR's prepared as a separate action will require only normal multing of the NMP Cupy 21/othe designated Department of the Army agric.   Check "Routine" in Section III.   SUBMITTED BY   24. RECEIVED BY   Statement of the GuiPMENT IMPROVEMENT RECOMMENDATION   Statement of the Army agric   Submitted by   Submitted by   Submitted by   Statement of the Army agric   Submitted by   Submitted by   Statement of the Army agric   Submitted by   Statement of the Army agric   Submitted by   Submittee by   Submittee by   Submittee by   Submittee by   Submittee by <t< td=""><td></td><td></td><td>maintenar echelon ( )</td><td>ice unit or activity within Inter Shop Maintenance R</td><td>the same acheion of a (equivit).</td><td>t a higher</td><td></td><td></td></t<>			maintenar echelon ( )	ice unit or activity within Inter Shop Maintenance R	the same acheion of a (equivit).	t a higher		
B. EMERGENCY EIR's will be submitted to the designated Department of the Army agency by electrical mesage: A follow-up DA Form 2407, check     "Emergency" in Section III will be submitted with the mesage number indicated as part of the narrative remarks in Illow 33     B. UNGENT EIR's will be automated to the designated Department of the Army agency. Check " Urgent" in Section III.     ROUTINE EIR's prepared as a separate action will require only normal multing of the NMP Cupy 210the designated Department of the Army agen     Check " Routine" in Section III.     B. ROUTINE EIR's prepared as a separate action will require only normal multing of the NMP Cupy 210the designated Department of the Army agen     Check " Routine" in Section III.     SUBMITTED BY     24. RECEIVED B4     JULIAN DATE     JULI	B. EMERGENCY NIX's will be submitted to the designated Department of the Army agency by electrical message A follow-up DA Form 2407, checked     "Emergency" in Section 111 will be submitted with the message number indicated as part of the nersitive rms:rish in Nixh 33     B. INCENT EIN's will be submitted to the designated Department of the Army agency. Check "Urgent" in Section 111.     ROITINE EIN's prepared as a separate action will require only normal multing of the NMP Cupy 2 to the designated Department of the Army agency.     Check "Routine" in Section 111.     ROITINE EIN's prepared as a separate action will require only normal multing of the NMP Cupy 2 to the designated Department of the Army agency.     Check "Routine" in Section 111.     Submitted by     Is a naccerved by     Section 111.     Submitted by     Section 111.     Section 111.     Section 111.     Submitted by     Section 111.     Section 112.     Section 112.     Section 112.     Section 112.     Section 113.     Section 114.     Section 114.     Section 114.     Section 114.     Section 114.     Section 114.     Section 115.     Section 114.     Se	2. SUBMITTING SEPARA	TE ROUIPMENT IMPR	OVEMENT RECOMME	NDATIONS (EIR's)			
B. URGENT EIR's will be all-mailed to the designated Department of the Army agency. Check "Urgent" in Section III.     C. ROUTINE EIR's prepared as a separate action will require only normal multing of the NMP Cupy 2 to the designated Department of the Army agen Check "Routine" is Section III.      SUBMITTED BY     EA. RECEIVED BY     JULIAN DATE      JULIAN DATE      JULIAN DATE      JULIAN DATE      SPECION III. EQUIPMENT IMPROVEMENT RECOMMENDATION      SPECION III. EQUIPMENT IMPROVEMENT      SPECION III. EQUIPMENT      SPECION III. EQUIPMENT      SPECION      SPECION III. EQUIPMENT      SPECION      SPECI	B. URGENT EIL's will be alemailed to the designated Department of the Army agency. Check "Urgent" is Section III.     ROITINE EIR's propared as a separate action will require only normal multing of the NMP Cupy 21 the designated Department of the Army agency Check "Routine" is Section III.      SUBMITTED BY     14. RECEIVED BY     SECTION III. EQUIPMENT IMPROVEMENT SECOMMENDATION     SECTION III. EQUIPMENT IMPROVEMENT SECOMMENDATION     SECTION III. EQUIPMENT IMPROVEMENT SECOMMENDATION     NORMAL RE SO EIR (Skiet one - S1. RECOMMENDATION/SCIET UNE use for X)     TO muse for X     TO a section III.     SUBMITTED BY     SECTION III. EQUIPMENT IMPROVEMENT SECOMMENDATION     NORMAL RE SO EIR (Skiet one - S1. RECOMMENDATION/SCIET UNE use for X)     TO use for X     TO use for X     TO UNE (III) III. EQUIPMENT IMPROVE OF III.     SUBMITTED BY     SECTION III. EQUIPMENT IMPROVEMENT SECOMMENDATION     NORMAL RE SO EIR (Skiet one - S1. RECOMMENDATION/SCIET UNE use for X)     TO use for X     TO UNE (III) III. EQUIPMENT IMPROVE OF X)     SECTION III. EQUIPMENT IMPROVE OF X     TO UNE (IIII)     SECTION III. EQUIPMENT IMPROVE OF X)     SECTION III. EQUIPMENT IMPROVE OF X     TO UNE (IIII) III. EQUIPMENT IMPROVE OF X)     SECTION III. EQUIPMENT IMPROVE OF X     SECTION IIII. EQUIPMENT IMPROVE OF X     SECTION II	B. EMERGENCY EIR's	, will be submitted to the will be submitted with the	designated Department of message number indica	if the Army agency ited as part of the nar	by electrical messa rative remarks in B	re. A follow-up lock 35	DA Form 2407, checked
Check * Routine* Is Section 111.  SUBMITTED BY 24. RECEIVED BF  ILLIAN DATE  SECTION III-EQUIPMENT IMPROVEMENT RECOMMENDATION  NOTIVAL RE JULIAN DATE  NOTIVAL RE SO EIR (Scient one - 31. RECOMMENDATION/Scient one - 4.4 For X)  NOTIVAL RE SO EIR (Scient one - 31. RECOMMENDATION/Scient one - 4.4 For X)  NOTIVAL RE SO EIR (Scient one - 31. RECOMMENDATION/Scient one - 4.4 For X)  NOTIVAL RE SO EIR (Scient one - 31. RECOMMENDATION/Scient one - 4.4 For X)  NOTIVAL RE SO EIR (Scient one - 31. RECOMMENDATION/Scient V)  NOTIVAL RE SO EIR (Scient one - 31. RECOMMENDATION/Scient V)  NOTIVAL RE SO EIR (Scient one - 31. RECOMMENDATION/Scient V)  NOTIVAL RE SO EIR (Scient one - 31. RECOMMENDATION/Scient V)  NOTIVAL RE SO EIR (Scient one - 31. RECOMMENDATION/Scient V)  NOTIVAL RE SO EIR (Scient one - 31. RECOMMENDATION/Scient V)  NOTIVAL RE SO EIR (Scient one - 31. RECOMMENDATION/Scient V)  NOTIVAL RE SO EIR (Scient one - 31. RECOMMENDATION/Scient V)  NOTIVAL RE SO EIR (Scient one - 31. RECOMMENDATION/Scient V)  NOTIVAL RE SO EIR (Scient one - 31. RECOMMENDATION/Scient V)  NOTIVAL RE SO EIR (Scient one - 31. RECOMMENDATION/Scient V)  STOCK NUMPROVI OKSIGN EIR (Scient V	Check * Routine* In Section III.  SUBMITTED BY  a4. RECEIVED BY  SFCTION III. EQUIPMENT IMPPOVEMENT RECOMMENDATION  NOIMAL, RE: 30 EIR (Sklet) one  SFCTION III. EQUIPMENT IMPPOVEMENT RECOMMENDATION  NOIMAL, RE: 30 EIR (Sklet) one  SFCTION III. EQUIPMENT IMPPOVEMENT RECOMMENDATION  NOIMAL, RE: 30 EIR (Sklet) one  SFCTION III. EQUIPMENT IMPPOVEMENT RECOMMENDATION  NOIMAL, RE: 30 EIR (Sklet) one  SFCTION III. EQUIPMENT IMPPOVEMENT RECOMMENDATION  NOIMAL, RE: 30 EIR (Sklet) one  SFCTION III. EQUIPMENT IMPOVEMENT RECOMMENDATION  NOIMAL, RE: 30 EIR (Sklet) one  SFCTION III. EQUIPMENT IMPOVEMENT RECOMMENDATION/ACTIVITY  NOIMAL, RE: 30 EIR (Sklet) one  SFCTION III. EQUIPMENT IMPOVEMENT RECOMMENDATION/ACTIVITY  NOIMAL, RE: 30 EIR (Sklet) one  SFCTION III. EQUIPMENT IMPOVEMENT RECOMMENDATION/ACTIVITY  (I) IMPROVE OKSIGN  SFCTION III. EQUIPMENT III. EQUIPMENT IMPROVE OKSIGN	runsa Ranch tu oscorno tra	I be air-mailed to the der	signated Department of it	he Army agency. Cho	k "Urgent" in Secto P Copy 2 to the des	on III. geneted Departm	nent of the Army agency
SUBMITTED BY       24. RECEIVED BY         LLIAN DATE       JULIAN DATE         SECTION III. EQUIPMENT IMPROVEMENT RECOMMENDATION         ACCMENT       UNIT IDEN COLUMN DATE         INDIMAL RE- 30 EIR (Scient DRF - 31. RECOMMENDATION/Scient URF UNF / US / CORDANIZATION/ACTIVITY / CONTINUE         INDIMAL RE- 30 EIR (Scient DRF - 31. RECOMMENDATION/Scient URF UNF / US / CORDANIZATION/ACTIVITY / CONTINUE         INDIMAL RE- 30 EIR (Scient DRF - 31. RECOMMENDATION/Scient URF UNF / US / CONTINUE         IT VES       IT EMERGENCY         IT VES       IT URGENT         IT NO       IT MODITY         IT NO       IT NOUTINE         IT NOUTINE       IT NOUTINE	SUBMITTED BY       \$4. RECEIVED BY         LIAN DATE       JULIAN DATE         SECTION III: EQUIPMENT IMPROVEMENT RECOMMENDATION         I NOIMAL NE: 30 SIR (Sviet one: 31. RECOMMENDATION/Sviet one use for V)         ACEMENT         Not one use for []] ENERGENCY         I VES         I D URGENT         I D OTHER (Synet/V)	5. URGENT EIR'S WU						• • •
SUBMITTED BY       SECTION III - EQUIPMENT IMPROVEMENT RECOMMENDATION         I. NOIMAL RE-30 EIR (Scient DAR - 31, RECOMMENDATION/SCIENT DAR - UV VUR Y)       SFECTION III - EQUIPMENT IMPROVEMENT RECOMMENDATION         I. NOIMAL RE-30 EIR (Scient DAR - 31, RECOMMENDATION/SCIENT DAR - UV VUR Y)       SFECTION III - EQUIPMENT IMPROVEMENT RECOMMENDATION         I. NOIMAL RE-30 EIR (Scient DAR - 31, RECOMMENDATION/SCIENT DAR - UV VUR Y)       SFECTION III - EQUIPMENT IMPROVEMENT RECOMMENDATION         I. NOIMAL RE-30 EIR (Scient DAR - 31, RECOMMENDATION/SCIENT DAR - UV VUR Y)       SFECTION III - EQUIPMENT DAR - UV VUR Y)         I. NOIMAL RE-30 EIR (Scient DAR - 31, RECOMMENDATION/SCIENT DAR - UV VUR Y)       SFECTION III - EQUIPMENT DAR - UV VUR Y)         I. J. UNIT IDEN COL       III DAR - 31, RECOMMENDATION OESIGN [E] PROCEDURI       B 10CATION         III VES       IV URGENT       III IMPROVE DESIGN [E] PROCEDURI       B 10CATION         III VES       IV URGENT       III IMPROVE DESIGN [E] PROCEDURI       B 10CATION         III VES       IV URGENT       III) ODDIFY       III) OTHER (Specify)       B 10CATION         III NO       [II] NO DIFY       III] OTHER (Specify)       III) OTHER (Specify)       III) OTHER (Specify)         I. NATIONAL STOCH NUMBER       III NOUN NOMERHELATURE       III OTHER (Specify)       III OTHER (Specify)	SFCION III-EQUIPMENT IMPPOVEMENT RECOMMENDATION  NORMAL RE- 30 EIR (Select one - 31. RECOMMENDATION(Select one - 1/2)  NORMAL RE- 30 EIR (Select one - 31. RECOMMENDATION(Select one - 1/2)  NORMAL RE- 30 EIR (Select one - 31. RECOMMENDATION(Select one - 1/2)  NORMAL RE- 30 EIR (Select one - 31. RECOMMENDATION(Select one - 1/2)  NORMAL RE- 30 EIR (Select one - 31. RECOMMENDATION(Select one - 1/2)  SFCION III - EQUIPMENT IMPPOVEMENT RECOMMENDATION/ACTIVITY / C. UNIT IGEN EQUE  NORMAL RE- 30 EIR (Select one - 31. RECOMMENDATION(Select one - 1/2)  SFCION III - EQUIPMENT IMPPOVEMENT RECOMMENDATION/ACTIVITY / C. UNIT IGEN EQUE  NORMAL RE- 31. RECOMMENDATION(Select one - 1/2)  SFCION III - EQUIPMENT IMPPOVEMENT INFOOVEMENT ALLONG  NORMAL RE- 31. RECOMMENDATION(Select one - 1/2)  SFCION III - EQUIPMENT IMPROVE OURI III - 1/2  SFCION III - EQUIPMENT IMPROVE OURI III - 1/2  SFCION III - EQUIPMENT IMPROVE OURI III - 1/2  SFCION III - EQUIPMENT IMPROVE OURI III - 1/2  SFCION III - EQUIPMENT I - 1/2  SFCION III - 1/2  SFCION III - EQUIPMENT I - 1/2  SFCION III - 1/2  SFCION III - 1/2	6. URGENT EIR's will c. ROUTINE EIR's pre Check "Routine" in Section 111.	,					
SECTION III. EQUIPMENT IMPPOVEMENT RECOMMENDATION  SECTION III. EQUIPMENT IMPPOVEMENT RECOMMENDATION  NONINAL RE- 30 EIR (Scient one - 31, RECOMMENDATION/Scient one - 4 + 2 + 1 + 2 + 1 + 2 + 2 + 2 + 2 + 2 + 2	SECTION III - EQUIPMENT IMPPOVEMENT RECOMMENDATION SECTION III - EQUIPMENT IMPPOVEMENT RECOMMENDATION ACEMENT UNIT IDEN CODE UNIT IDEN CODE UNIT IDEN CODE UNIT IDEN CODE UNIT IDEN CODE III VES III VES III UNGENT III MO. III - EQUIPMENT IMPPOVEMENT RECOMMENDATION III DEN CODE UNIT IDEN CODE A TOCATION A	b. URGENT EIN's will c. ROUTINE EIN's pre Check "Routine" in Section III.						
SECTION III. EQUIPMENT IMPROVEMENT RECOMMENDATION  NOMMAL RE- 30 EIR (Svirt) DRF 31. RECOMMENDATION (Svirt) UNF	SECTION III EQUIPMENT IMPPOVEMENT RECOMMENDATION  NORMAL RE-30 EIR (Street une 31, RECOMMENDATION (Street une use r'ur Y) 32 e GRGANIZATION/ACTIVITY a C. UNIT IDEN CODE ACTION - USE r'U  T UNIT IDEN CODE  T UNGENT  T UNGENT  T UNGENT  T I INPROVE DESIGN  S PROCEDURI  A LOCATION  A	6. URGENT EIN's WU C. ROUTINE EIR's pre Check "Routine" In Section III. . SUBMITTED BY 24. RECEI	VED 81					
INDIVIAL RE- 30 EIR (Svine) DAR - 31, RECOMMENDATION IN COMPLEX (INF VILLA) 38 & CIRGANIZATION/ACTIVITY (C. UNIT IDEN COL ACEBENT INCLUMP- WRY (D.Y.) IT ENEROGENCY IT IN	NOIWAL RE- SO EIE (Sviet une - SI, RECOMMENDATION (Sviet une - HV FUT Y) 32 C GROANIZATION/ACTIVITY , C. UNIT IDEN CODE ACEMENT	6. UNGENT EIN'S WU C. ROUTINE EIR'S pre Check "Routine" In Section III. SUBMITTED BY 24. RECENTION DATE JULIAN D	NED 97					
INCE UNE UNE TERREBURGY	ANTIONAL STOCK NUMPER 34 NOUN NOMPHELATURE 35 OPINION ON HEM SHAR PHOTOS OR SAETCHES IF AVAILABLE	6. UNGENT EIN'S WU C. ROUTINE EIR'S Pre Check "Routine" In Section III. SUBMITTED BY 24. RECEI LIAN DATE JULIAN D	NED 5/	ON ILL EQUIPMENT IMP				
I VES     U URGENT     I A IMPROVI DESIGN     I C A TOURI     A TOURING     A TOUR     A	I VES     UU URGENT     I A IMPROVI DESIGN     I C A INTE       I NO     I A DUTINE     I DOTHER (Specify)       Stock NUMBER     34 NOUN NOMPHELATURE     35 OPINION ON HEMONIKS DESCRIBE CONDITIONS UNDER WHICH FAILURE OFCURRED ATTACH PHOTOS OR SKETCHES IF AVAILABLE	6. UNGENT EIN's WI C. ROUTINE EIR's pre Check " Routine" In Section III. . SUGMITTED BY 24. RECEI ILIAN DATE JULIAN D . NOIMAL RE 30 EIR (Sving und ACENTAL RE 30 EIR (Sving und	NED 97	ON III - EQUIPMENT IMP	DOVEMENT RECOMA	ENDATION N/ACTIVITY		C UNIT IDEN CODE
A NOUN NONFHELATURE 35 OPINION ON HEM SHAE DESCRIBE CONDITIONS UNDER WHICH FAILURE OFCURRED ATTACH PHOTUS OR SAETCHES IF AVAILABLE	ANATIONAL STOCK NUMPER 34 NOUN NONFHELATURE 35 OPINION ON REMAINS DESCRIBE CONDITIONS UNDER WHICH FAILURE OFCURRED ATTACH PHOTUS OR SAETCHES IF AVAILABLE	6. UINGENT EII's WU C. ROUTINE EIR's pre Check "Routine" In Section III. . SUBMITTED BY 24. RECEI . SUBMITTED BY 24. RECEI . NORMAL RE JULIAN D . SUBMITTED BY 24. RECEI	NED 97	ON III - EQUIPMENT IMP (Select one user or X)	POVEMENI RECOMA 33 - CIRGANIZATIO	NENDATION N/ACTIVITY		C. UNIT IDEN CODE
		6. UIRGENT EIII's WU c. ROUTINE EIR's pre Check "Routine" Is Section III. 5. SUBMITTED BY 34. RECEI JULIAN DATE JULIAN DATE JULIAN DATE JULIAN DATE JULIAN D S. NOHMAL RE' SO EIR (Scient One UN FOR X) ACCOMENT TED NO. TED BOULDER	SECTI	ON III - EQUIPMENT IMP (Select une - use y or X) I - E Proci Duai Titother (Secure)	OVEMENT RECOM	NENDATION N/ACTIVITY		C. UNIT IDEN CODE
		B. UNGENT EIR'S WILL     C. ROUTINE EIR'S Pre- Check " Routine" In Section III.      SUBMITTED BY     LIAN DATE     JULIAN D     LIAN D     LI	SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SFCIN SF	ON III - EQUIPMENT IMP (Select une use v or X) I ERPROCOURI III) OTHER (Sject/V) JN NOMPHELATURI	DVEMENT RECOMP		ONDITIONS UNI	C. UNIT IDEN COUL d SUBMITTED BY SPR WHICH FAILURE
		B. UNGENT EIR'S WI C. ROUTINE EIR'S PRO Check " Routine" In Section III.      SUBMITTED BY     24. RECEI      LIAN DATE     JULIAN D      INDINIAL RE JO EIR (Skiet one	NED 97 IATE SFC11 31. RECOMMENDATION IATMOROVE DESIGN IATMONEY 34 NOL	ON III - EQUIPMENT IMP (Select une une v or X) I E PROCLOURI []]OTHER (Specify) IN NOMPHELATURI	DVEMENT RECOMM 33 CINGANIZATIO 6 LOCATION 35 OF INION ON HEL OF CLIRED ATT	IENDATION NACTIVITY ANNA DESCRIBE C ACH PHOTOS OR S	DADITIONS UNI	C. UNIT IDEN CODE d SUBMITTED BY OFR WHICH FAILURE NILABLE
		B. UNGENT EIR'S WILL     ROUTINE EIR'S Pre Check "Routine" In Section III.     SUBMITTED BY     SA. RECEI  LIAN DATE     JULIAN D     JULIAN D     LIAN DATE     JULIAN D     LIAN DATE     JULIAN D     TO MAL, RE- SO EIR (Scient One	SECTI SECTI 31. RECOMMENDATION (A) IMPROVE OKSIGN (I) MO.UEY 34. NOL	ON III-EQUIPMENT IMP (Select Une - UNE F OF X) E PROCEDURI []]OTHER (Specify) JN NOMPHELATURI	DOVEMENT RECOM	ANNA DESCRIBE C	DADITIONS UNI	C. UNIT IDEN CODE d SUDMIYTED UV OFR WHICH FAILURE MILABLE
		6. UNGENT EIN'S WI C. ROUTINE EIR'S pre Check "Routine" in Section III. SUBMITTED BY 24. RECEI LIAN DATE JULIAN D NONMAL RE 30 EIR (Scient ORE MENT (Scient ORE UNCONF. USE (C) UNGENT I] VES I] UNGENT I] NOTONAL STOCK NUMBER	SECIO	ON III-EQUIPMENT IMP (Select une une e une e un (Select une une e un (Select une (Select un (Select)) (Select un (Select)) (Select un (Select)) (Select une (Select)) (Select une (Select)) (Select une (Select une (Select)) (Select une (Select une (Select)) (Select une (Select)) (Select une (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Select)) (Selec	OVEMENT RECOMA 37 CRGANIZATIO 6 1 DCATION 35 OF INION ON HEI OF CURRED ATT	ANNA DESCRIBE C	DADITIONS UNI	C. UNIT IDEN COUC d SUDMITTED UT OFR WHICH FAILURE NILADLE
		6. UIRGENT EIII's WI C. ROUTINE EIR's pro- Check " Routine" In Section III. SUBMITTED BY 24. RECEI ILIAN DATE JULIAN D ILIAN DATE JULIAN D	INTE SECTI	ON III - EQUIPMENT IMP (Select time use v or X) I ER PROCLOURI [1]OTHER (Specify) JN NOMPHELATURI	DVEMENT RECOMP	ANNA DESCRIPE C	DADITIONS UNI	C. UNIT IDEN CODE d SUBMITTED BY OFH WHICH FAILURE NILABLE
		6. UIRGENT EIII's WI C. ROUTINE EIR's pre- Check " Routine" In Section III. SUBMITTED BY 24. RECEI JULIAN DATE JULIAN DATE NONIVAL RE JO EIR (Solect one are yor y) TI VES TI UIRGENT TI VES TI UIRGENT TI NO TASIONAL STOCK NUMBER	INTE SECTI	ON ILL EQUIPMENT IMP (Select une une fur fur (Select une PROCEDURI []]]OTHER (Specify) IN NOMPHELATURI	DOVEMENT RECOM	ANNA DESCRIBE C		C. UNIT IDEN CODE d SUBMITTED BY DEN WHICH FAILURE NILABLE
		b. UNGENT EIR's Will     c. ROUTINE EIR's pre     Check "Routine" Is Section III.      SUBMITTED BY      SUBMITTED BY      A. RECEI      JULIAN D      NOHMAL RE     JULIAN D      NOHMAL RE     JULIAN D      INOHMAL RE     JULIAN D      JULIAN      JULIA	SPC1	ON III-EQUIPMENT IMP (Select une une v ur v) E PROCIOURI []] OTMER (Specify) JN NOMPHICLATURI	DVEMENT RECOM	ANNAS DESCRIBE C	DADITIONS UNI	C. UNIT IDEN CODE d SUDMIYTED OV DEN WHICH FAILURE MILADLE
		6. UIRGENT EIR'S WI C. ROUTINE EIR'S pro- Check "Routine" Is Section 111. SUBMITTED BY 24. RECEI JLIAN DATE JULIAN D ILIAN D	SFC11 - S1. RECOMMENDATION - S1. RECOMMENDATION - S1. NO. - S1. NO. - S1. NO. - S1. NO. - S1. NO. - S1. NO. - S1. NO.	ON III - EQUIPMENT IMP (Select time - use v or X) I ER PROCLOURI []]]OTHER (Specify) JN NOMPHELATURI	DOVEMENT RECOMA 37 CRGANIZATIO 6 I DEATION 35 OPINION ON HI OFELIARED ATT	ANNA DESCRIBE C		C. UNIT IDEN CODE d SUBMITTED BY OFH WHICH FAILURE NILABLE

	REPA	IR ELIGI	BILITY DATA S	HEET		
For us	e of this form, see TB 750	-97-01; the	proponent agency is	U.S. Army N	lateriel Comm <del>an</del>	d
DISPOSITION REC		UEST FOR M DESCRIP DERAL STO	STANDARD TION AND CK NUMBER		AIR ELIGIBILI	TY DETERMINATION
2. LOCATION OF EQUIPMENT				J. DOCUM	ENT NUMBER	4. DATE
. STANDARD ITEM DESCRIPT	ION AND FSN			_L		6. CONDITION CODE
7. STANDARDIZATION	A. IF ITEM IS LISTED I	N T B 750-9	7 SERIES, INDICAT	E NUMBER A	ND PAGE. ALI	O INDICATE PERCENT
	AUTHORIZED FOR R	EOUILO.				
),	E	ND ITEM T	ECHNICAL DATA			
. MAKE	D. MODEL		C. SIZE/CAPAC	:ITY	d. SERI	L NUMBER
-	I. MAKE OF ENGINE		MODEL OF	NGINE	h. ENGI	
10.		ATT	ACHMENTS			
- FEDERAL STOCK NUMBER	D. ITEM DESCRIPTION	• <u>c.</u>	MAKE	d,		- SERIAL NUMBER
	L					
		-+				
11						
	LEMENTS			ESTIMATE	U REPAIR COS	3
. HOURS OF OPERATION		ь	D. COST OF MISSING TOOLS AND ATTACHMENTS			
. ESTIMATED COST OF REP	AIR	% 5	LABOR COST		_	
			HOURS A	T	PER HOUR	
ACQUISITION COST		d	. TRANSPORTATIO	N COST		
		•	TOTAL COST OF	REPAIR		1
13. TYPE OF REPAIR REQUIR	ED					
14.	······································	OVERHAU	LAREBUILD DATA			·
A. DATE D. CON	ATRACT OR JOB ORDER	C. DEPO	T		4 CONTRACT	OR
18. DISPOSITION INSTRUCTIO	DNS (This information void	alter 90 dag	(4)			
16. TYPED NAME AND ORGAN	IZATION OF INSPECTOR		17. BIGN 4	TURE		
16. TYPED NAME AND ORGAN	IZATION GF INSPECTOR		17. SIGN /	TURE		

•

Ż

and the second secon

.- -

المالية المحدية بوهادون بماريد

· · · ·

### APPENDIX D

DEPARTMENT OF THE ARMY United States Army Logistics Management Center Fort Lee, Virginia 23301

### DRXMC-LSO

23 March 1981

SUBJECT: Expedited Return of Major Item Excess

Commander Logistics Control Activity Building 650 ATTN: DRXLC-MC (Mr. Forrest Frame) Presidio of San Francisco, CA 94129

1. Reference telephone conversation, 23 March 1981, Mr. Frame of LCA and Mr. Higgins of LSO.

2. This office has been tasked by DARCOM to perform a study, subject as above. As part of this effort, LSO is attempting to analyze specific data regarding processing of TACOM managed Reports of Excess.

3. Your office previously furnished LSO a magnetic tape (returned herewith) which we are unable to interpret.

4. Request you provide this office two hardcopy printouts from the tape for Line Item Numbers (LIN) listed below. The first printout should be for calendar year 1979 and the second for calendar year 1980. The LIN may be found in the Unit Price field on the tape.

W 38562	X 40077
W 38592	X 40146
W 38639	x 40794
W 94030	X 40831
W 94441	X 40968
X 39432	X 59600
X 39447	X 59874
X 39735	X 63436
X 40009	

5. Mrs. Ethel Higgins of LCA is familiar with this effort and assisted in providing the first tape. POC within LSO is Mr. Peter J. Higgins, AV 687-3264/3568.

DRXMC-LSO SUBJECT: Expedited Return of Major Item Excess

23 March 1981

. ....

~~~ ~ ~ ~ ~ ~ ~ ~ ~ ~

6. Return address is:

Commandant ALMC ATTN: DRXMC-LSO (Higgins) Fort Lee, VA 23801

FOR THE COMMANDANT:

l Incl as

J. ALLEN HILL Director Logistics Studies Office

D-2

UNCLASSIFIED

621930

DTG 231834Z

JAN 81

Can-11

APPENDIX E

CORDARCOM ALEX VA //DRCPS-S// CDRARRCOM ROCK ISLAND IL //DRSAR-MM/DRSSA-MA// CDRCERCOM FT MONMOUTH NJ //DRSFL-MM/DRSEL-MA// CDRMICOM REDSTONE ARS AL //DSSMI-S/DRSH-M// CDRTACOM WARDÉN MI //DRSTA-S/DRSTA-M// CDRTSARCOM ST LOUIS MO //DRSTS-S/DRSTS-M//

UNCLAS

SUBJ: EXPEDITED RETURN OF MAJOR ITEM EXCESS

1. THIS COMMAND IS CONDUCTING AN ANALYSIS OF THE DATA ELEMENTS AND THE REQUIREMENTS FOR THOSE DATA ELEMENTS AS REFLECTED/SHOUN IN THE DA FORMS LISTED BELOW:

a. DA FORM 461-5 VEHICLE CLASSIFICATION SECTION

b. DA FORM 2404 EQUIPMENT INSPECTION AND WORKSHEET

C. DA FORM 2407 MATHTENANCE WORKSHEET

d. DA FORM 3590 REPAIR ELIGIBILITY DATA SHEET

2. TO PERMIT A COMPLETE REVIEW OF DATA NEEDED TO EXPEDITE THE RETURN OF MAJOR ITEM EXCESSES, IT IS REQUESTED THAT ADDRESSEES IDENTIFY TO THIS HEADQUARTERS ALL USAGES AND USERS OF SPECIFIED FORMS.

DRCMM-RM

· DRCMM-SP

MR. CHAVELY, DRCPS-S, 43246 VERLE B. HAMMOND. ASSOC. DIR/SYS.

48245

E-1

UNCLASSIFIED

3. REQUEST POC AND AUTOVON NUMBER BE IDENTIFIED FOR EACH USE AND USER OF EACH FORM IN YOUR REPORT NLT 5 FEB 81.

4. POC FOR THIS ACTION IS MR. SHERL GRAVELY, AUTOVON 274-8246.

UNCLASSIFIED

APPENDIX F

SUGGESTED "B-SERIES" CARD DESCRIPTION

| cc 1-3 | Document Identifier Code (DIC) - The document identifier code
provides a means of identifying a given product or trans-
action to the system to which it pertains and further identifies
such data as to its intended purposes and usage. |
|----------|---|
| cc 4-6 | Routing Identifier Code (RIC) - Identifies a specific supply and distribution organization as to its military service or govern-
mental ownership and its geographic location. |
| cc 7-10 | Estimated Labor Hours to Repair - The estimated number of
Tabor hours required to return the asset to serviceable
condition based on the deficiencies determined by inspection.
This entry of whole hours to repair will be right justified
(e.g., 25 hours entered as ØØ25). |
| cc 11-16 | Estimated Cost of Parts and Materiel - The whole dollar estimated
cost of parts/components and materiel required to return the
item to serviceable condition. This entry will be right justified
(e.g., \$5000 entered as Ø5000). |
| cc 17-22 | <u>Total Estimated Cost to Repair</u> - The whole dollar estimate of
all labor and materiel costs to repair the item based on
deficiencies determined by inspection. |
| cc 23-28 | Vehicle Registration Number - The Vehicle Registration Number
(USA Number) as described in AR 710-3, Chapter 7. |
| сс 29 | <u>Corrosion</u> - The code describing the degree to which the item is affected by corrosion. |
| | <u>Code</u> <u>Condition</u> |
| | A No visible corrosion
B Surface corrosion
C Structural corrosion, frame |

cc 30-43

Document Number (DOC-NO) - A non-duplicative number so constructed as to identify the Military Service Requisitioner, Requisition, Date, and Serial Number. (Note: The DOC-NO on the B-series inspection data card <u>must</u> duplicate the DOC-NO on the Report of Excess (DIC FTE) so that the two cards can be matched in the computer by the addressee Materiel Readiness Command.)

Structural corrosion, body

Structural corrosion, frame and body

F-1

D

Ε

| cc 44-58 | Serial Number - The unique notation (A/N) which identifies a |
|----------|--|
| | single unit of a family of like units, normally assigned |
| | sequentially. (For items with fewer than 15 digits the entry |
| | should be zero filled from the left; e.g., Serial Number |
| | ABC123456789 will be entered as: ØØØABČ123456789.) |

cc 59

 \underline{Age} - The length of time in years since manufacture of the item.

| <u>Codes</u> | Description |
|--------------|--------------------------------|
| Ø | Less than 1 year old |
| 1 | • Over 1 year but less than 2 |
| 2 | Over 2 years but less than 3 |
| 3 | Over 3 years but less than 4 |
| 4 | Over 4 years but less than 5 |
| 5 | Over 5 years but less than 6 |
| 6 | Over 6 years but less than 7 |
| 7 | Over 7 years but less than 8 |
| 8 | Over 8 years but less than 9 |
| 9 | Over 9 years but less than 10 |
| А | Over 10 years but less than 15 |
| В | Over 15 years but less than 20 |
| С | Over 20 years but less than 25 |
| D | Over 25 years but less than 30 |
| E | Over 30 years but less than 35 |
| F | Over 35 years but less than 40 |

cc 60

<u>Mileage</u> - The total number of miles the vehicle has been driven.

| Description |
|----------------------|
| 0-500 miles |
| 501-1000 miles |
| 1001-2500 miles |
| 2501-5000 miles |
| 5001-7500 miles |
| 7501-10,000 miles |
| 10.001-15.000 miles |
| 15.001-20.000 miles |
| 20.001-25.000 miles |
| 25.001-30.000 miles |
| 30,001-35,000 miles |
| 35.001-40.000 miles |
| 40,001-45,000 miles |
| 45,001-50,000 miles |
| 50,001-50,000 miles |
| 50,001-00,000 miles |
| 70,001-70,000 miles |
| 70,001-00,000 miles |
| 00,001-90,000 miles |
| 90,001-100,000 miles |
| uver 100,000 miles |

Codes

Ø123456789ABCDEFGHJK

F-2

<u>Hours of Operation</u> - The total number of hours of operation registered on the attached hour meter.

| Codes | Description |
|--------------------------------------|---|
| Ø
1
2
3
4
5
6
7 | Less than 100 hours
101 to 200 hours
201 to 300 hours
301 to 400 hours
401 to 500 hours
501 to 600 hours
601 to 700 hours
701 to 800 hours |
| 8 | 801 to 900 hours |
| 9 | 901 to 1000 hours |
| A | 1001 to 1250 hours |
| B | 1251 to 1500 hours |
| C | 1501 to 1/50 hours |
| U
F | 1/51 to 2000 hours |
| F | 2001 to 2250 hours
2251 to 2500 hours |
| Ġ | 2501 to 2750 hours |
| Ч | 2751 to 3000 hours |
| Ĵ | 3001 to 2350 hours |
| ĸ | 3251 to 3500 hours |
| L | 3501 to 3750 hours |
| M | 3751 to 4000 hours |
| N | 4001 to 4250 hours |
| Р | 4251 to 4500 hours |
| Q | 4501 to 4750 hours |
| ĸ | 4/51 to 5000 hours |
| 2 | 5001 to 5250 nours |
| 1 | 5251 to 5500 nours |
| v | 5701 to 6000 hours |
| Ŵ | 6001 to 6500 hours |
| x | 6501 to 7000 hours |
| Ŷ | 7001 to 7500 hours |
| Z | Over 7500 hours |

Diagnostic Condition Codes - Codes used to express the condition of the major applicable components of the assets listed in cc 62-75 below.

- Α
- Satisfactory/Serviceable Not applicable to this asset Component Missing В

F-3

С

a incompany and open a

| | Fair Wear | | Missing |
|---------------------------------|-----------|----------|---------|
| | & Tear | Accident | Parts |
| Reparable at User Level | D | Ε | F |
| Reparable at Intermediate Level | G | Н | J |
| Reparable at Depot Level | κ | L | M |
| Beyond Repair | N | Р | - |

cc 61

é

Major Components:

- cc 62 Frame
- cc 63 Engine
- cc 64 Transmission
- cc 65 Transfer
- cc 66 Drive Shaft and U-Joints
- cc 67-69 <u>Routing Identifier Code-From</u> (RIC-Fr) Coded designation of the activity which initiated the transactions.
- cc 70 Axles
- cc 71 Body
- cc 72 Cable
- cc 73 Winch
- cc 74 Differential
- cc 75 Hydraulic System
- cc 76 <u>Radio Wire Harness</u> For combat vehicles, enter the code specifying the radio wiring harness configuration necessary for the replacement vehicle.

| <u>Code</u> | Configuration |
|-------------|----------------------|
| Α | VRC 12 |
| В | VRC 64 |
| С | VRC 46 |
| D | Dual; VRC 46/47 |
| Ε | Dual; GRC 106/VRC 46 |
| F | Dual; GRC 106/VRC 47 |
| G | VSC 3 |
| Ĥ | Dual; VSC 3 w/VRC 46 |
| J | Dual: VSC 3 w/VRC 47 |
| Z | None of the above |
| | |

cc 77-78 Blank

cc 79-80 <u>Reject Code</u>-From MRC to Reporting Activity - To be filled in only by the wholesale managing activity with the proper reject code when necessary. This action requires the entries in cc 4-6 (RIC-To) and cc 67-69 (RIC-Fr) to be exchanged.

APPENDIX G



DEPARTMENT OF THE ARMY UNITED STATES ARMY TANK-AUTOMOTIVE COMMAND WARREN. MICHIGAN 48090

DRSTA-

SUBJECT: Disposition Instructions for Major Item Excess

1. Disposition instructions herein pertain to:

| MODEL | | nsn | ITEM | DESCRP |
|--------|------|-----|------|--------|
| EXCESS | DCNs | | USA | /SNs |

2. Process above item as indicated by

| Repair to TM- | | standards, | complete | with 1 | Basic Is | ssue | Items. |
|---------------|-------------|-------------|-----------|---------|----------|------|--------|
| Use Priority | for repairs | and requisi | tioning r | require | ed parts | B . | |

Ship to activity in paragraph 3.

| Notify | this | office | when | repairs | are | complete. | Instructions | will |
|-------------|------|--------|------|---------|-----|-----------|--------------|------|
|
follow. | , | | | | | | | |

Use locally against Requisition

MIMEX candidate. Await final disposition instructions.

Item is serviceable:

- Ship to activity in paragraph 3.
- Use locally against Requisition
- Ship "as-is" to activity in paragraph 3.

| If desired, cannibalize IAW AR 750 |)-1/710-2. Residue will b | e processed |
|--------------------------------------|---------------------------|-----------------|
|
through local DPDO channels. See | paragraph 6 for additiona | 1 instructions. |

STA FL 386 25 Mar 81

14

G-1

DRSTA-SUBJECT: Disposition Instructions for Major Item Excess

FTR/FTD card with status code your address.

is being transmitted separately to

FTR/FTD card inclosed.

3. Ship item to:

Å

MARK FOR: PRIORITY: PROJECT CODE: UIC:

4. Fund citation for shipment will be held in abeyance pending receipt of estimated/actual cost of the shipment from the Transportation Officer servicing your organization. Cost information will be submitted to TACOM Finance and Accounting Division by message (ATTN: DRSTA-EFAM) or telephonically (AUTOVON 786-5975) within five days of the expected shipping date. Upon receipt of this information, a fund citation will be immediately furnished. Cited funds are to be entered on all Government Bills of Lading (GBL) and an obligation copy (copy #8 or stamped fiscal copy) of the GBL must be forwarded to TACOM (ATTN: DRSTA-EFAM).

5. Notification to this office will be made when:

Item is ready for shipping.

Item has been shipped. (Provide date, mode, carrier, & GBL.)

6. Special disposition instructions are:

7. POC is

DRSTA-

, AUTOVON 786-

8. This letter advises consignee that follow-up status is directed to your installation in lieu of this NICP.

1 Incl

G-2

CF :

APPENDIX H

DATA SUMMARY

138,300 09,224 9,329 194,275 1,025,679 1,394,146 10,565,913 61,110 12,016,895 214,434 186,192 839,232 516,294 11,986 23,370 105,722 44,391,210 154,870 19,134 251,220 73,312 40,854 40,683 71,644 67,404 152,411 201,180 18,000 818,660 39,672 QTY X PRICE NSN QTY (Fm FTR) 75 37 19 48 141 81 365 22 129 43 303 20 3 530 530 8 2 25 Q 20 NUMBER OF FTRS 18 6 45 71 289 20 20 33 436 104 34 11 24 5 13,561 42,911 28,720 22,468 52,861 83,757 25,813 25,813 25,813 39,672 UNIT/ TAEDP PRICE Wheel M332 1/2 Ton 2 Wheel 1/4 Ton M718 1 1/4 Ton M880 1 1/4 Ton M882 2 1/2 Ton M35A2 2 1/2 Ton M35A1 M54A1C **M813A1** M35A2 M35A1 1/4 Ton M893 1/4 Ton M886 Ton M211 5 Ton 6X6 M813 M211 **M35** Ton M35 XM123E2 W/WN 1/2 Ton 2 Cgo LWB W/W M54A2 M123AIC W/WN Cgo LWB W/W M813 5 Ton M54A2 M123C W/WN Cgo LWB W/W M54 10 Ton M553 /2 Ton P 5 Ton P S M35A2C NOMENCLATURE Ton Ton 5 Ton 1 rac M123 W/WN Ton D/S 5 Ton 5 Ton M54 M718A1 1/2 1/2 2 2 2 2 Ś 2 2 Amno Irac Amb Alla rac [rac Amb Util Amb <u>c</u>go န္ဗန္ဗန္ဗ ဗိုဂ္ဂ g Cgo cgo 0 Cg ဗ္ဗိဗ္ဗိ <u>g</u> Cgo о Б С <u>c</u>go Γr \*\*\*\* さざ Ţ Ľ Ľ ľr, ヹヹ 2330-00-697-8102 2310-00-125-5679 2330-00-200-1785 2310-00-579-9078 2310-00-177-9256 2310-00-782-6056 2320-00-579-8942 2320-00-077-1616 2320-00-542-5633 2320-00-834-4507 2320-00-835-8463 2320-00-926-0873 2320-00-542-5634 2320-00-834-4508 2320-00-050-8913 320-00-835-8348 320-00-055-9266 2320-00-579-8957 320-00-077-1617 2320-00-050-8890 320-00-055-9265 2320-00-835-8335 320-00-835-8464 2320-00-395-1875 320-00-226-6081 2320-00-294-9552 320-00-879-6177 2320-00-873-5426 NSN X38562 X38592 X38639 X39447 X40009 W94441 X39432 X40077 X40146 X59600 X59874 X63436 X40794 **19403C** X40831 X40968 LIN

74,652,363

1**,**931

1,598

H-1

APPENDIX I

Å

| |}

CONSOLIDATED DATA

| | | · | | 143.845
170.715
1931
1598 | | YS/ITEM#
YS/IANS#
ILE#
8 IN FILE# | IGE DA
IGE DA
3 IN F
10 F | AVERI
AVERI
ASSET | ALL ITEMS
ALL TRANS
Number Of
Number Of |
|------------|-----------|--------|--------|------------------------------------|---------|--|------------------------------------|-------------------------|--|
| 1527084.2 | 2035.74 | 1.31 | 67.17 | 154878 | 40 Z | •0 | 4 | 25813 | 9552 |
| 1525048.5 | 549.87 | 1.35 | 98.67 | 40683 | 296 | m | 20 | 13561 | 9266 |
| 1524496.7 | 15674.04 | 2.18 | 159.36 | 718000 | 3984 | 25 | 20 | 28720 | 9265 |
| 1508824.7 | 1071.98 | 1.75 | 76.83 | 61110 | 461 | Q | 12 | 10185 | 9256 |
| 1507752.7 | 10993.38 | 5.66 | 144.58 | 194275 | 2747 | 19 | 7 | 10225 | 9078 |
| 1496759.2 | 24857.35 | 4.81 | 123.01 | 516294 | 9964 | 81 | 2 | 6374 | 8957 |
| 1471962.01 | 34086.30 | 4 - 06 | 103.78 | 639232 | 14633 | 141 | 2 | 5952 | 8942 |
| 1437413.7 | 2269.66 | 3.10 | 226.00 | 73312 | 452 | ~ | 20 | 36656 | 8913 |
| 1435544.0 | 352.58 | . 46 | 63.00 | 40924 | 63 | - | 20 | 40854 | 8902 |
| 1435191.5 | 2609.93 | 1.52 | 111.00 | 171644 | 444 | 7 | 20 | 42911 | 8890 |
| 1432561.5 | 10972.62 | 4.37 | 239.13 | 251220 | 7174 | 30 | 15 | 8374 | 8464 |
| 1421609.0 | 54697.48 | 5.35 | 293.04 | 1025679 | 37802 | 129 | 15 | 1951 | 8463 |
| 1366711.5 | 5544.66 | 3.64 | 265.57 | 152411 | 1859 | 7 | 20 | 21773 | 8346 |
| 1361166.7 | 794.07 | 1.18 | 86.00 | 67404 | 258 | M | 20 | 22468 | 8335 |
| 1360372.7 | 3357.03 | 3.07 | 280.46 | 109224 | 10377 . | 37 | 25 | 2952 | 8102 |
| 1357015.7 | 25440.94 | 3.11 | 156.80 | 818660 | 3176 | 20 | 14 | 40933 | 6177 |
| 1331574.7 | 461447.00 | 1.08 | 55.42 | 44391208 | E1295 | 530 | 14 | 83757 | 6081 |
| 850127.7 | 5680.34 | 3.05 | 133.63 | 186192 | 6414 | 19 1 7 | 12 | 3879 | 6056 |
| 844447.3 | 135.10 | 1.45 | 37.00 | 9329 | 37 | -4 | 1 | 9329 | 5679 |
| 844312.2 | 7503.37 | 3.73 | 204.20 | 201180 | 4084 | 20 | 15 | 10059 | 5634 |
| 836808.8 | 11443.60 | 5.34 | 292.18 | 214434 | 6428 | 22 | 15 | 1416 | 5633 |
| 825365.2 | 1855.92 | 1.33 | 97.00 | 139672 | 16 | 7 | 20 | 39672 | 5426 1 |
| 623509.30 | 411.38 | 1.76 | 128.50 | 23370 | 257 | N 1 | 20 | 11685 | 4614 |
| 623096.0 | 316.86 | 1.66 | 90.67 | 19134 | 272 | ~ | 15 | 6378 | 4508 |
| 622741.1 | 211.26 | 1.76 | 96.50 | 11986 | 193 | ~ | 15 | 5993 | 4507 |
| 822569.61 | 1065.50 | 1.01 | 51.50 | 105722 | EOT | ~ | 14 | 52861 | 1875 |
| 821504.51 | 969.24 | .70 | 51.16 | 136300 | 3857 | 75 | 20 | 1844 | 1785 |
| 620545.1 | 424935.75 | 4.02 | 220.19 | 10565914 | 66718 | 203 | 15 | 34871 | 1617 |
| 395599.3) | 367979.94 | 3.06 | 167.65 | 12016696 | 61194 | 365 | 15 | 32923 | 1616 |
| 27619.40 | 27619.40 | 1.98 | 108.47 | 1394146 | 4664 | 43 | 15 | 32422 | 873 |
| | 4 | I | U | L | U) | 0 | U | 10 | 4 |

TABLE HEADER IDENTIFIERS (PERTAIN TO HEADINGS ONLY)

| < | 202 | 3 | AVERAGE EXCESS DAYS PER ITEM IN NSN |
|-----|---------------------------|---|-------------------------------------|
| - | ITEM COST | I | TOTAL NSN EXCESS DAYS AS PERCENT |
| ပ | LIFE OF ITEM IN YEARS | | OF AN ITEM'S LIFE |
| 0 | NUMBER OF ITEMS IN NSN | м | NON-USE COST PER NSN |
| w | TOTAL EXCESS DAYS FUR NON | 7 | CUMULATIVE NON-USE COST FOR |
| Le. | NUMBER OF ITEMS TIMES | | ALL NSNS |
| | ITEM COST | | |

ł

I-1