AD/A-002 532

MEASURES OF EFFECTIVENESS-CONUS REORGAN-IZATION 1973 (AS PERTAINS TO FORSCOM, TRADOC, HSC, OTEA AND CAA). VOLUME I. EXECUTIVE SUMMARY

M. H. Hamilton, et al

General Research Corporation

Prepared for:

BERT IN LINE A.

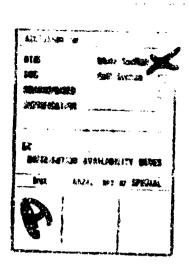
Office of the Chief of Staff (Army)

A CONTRACT DATA

November 1974

DISTRIBUTED BY:





The findings in this expert are not to be construed as an afficied Department of the Army position values so designated by after authorized documents.

> BUTRICHTION STATRICOM Igwund in gallie adaeug Statikaia adiaind.

Statistics Proceeds of Street

1

j

]]

Ω

UNCLASSIFIED					
	مریک کا کنیک ملبون کا کا میں بالیک کا میں ایک کا میں اور میں میں معموم کا میں محمد کر اور میں معامل کا میں میں مع	READ DESTRUCTIONS			
REPORT DOCUME	L BOY: ACCESSION	PEFORE CONDITETING FORM			
QAD-CR-64 Vol I					
		S TYPE OF REPORT & PEROD COVERED			
Neasures of Effective	nest - CONUS Repruteri				
sation 1973 Vol 1					
		A PERFORMING ORG MAPORT NUMBER			
AUTHOR		S CUNTRACT OR GRANT HUMBERAL			
N. H. Hamilton		DANC 19-69-C-0017			
G. G. Gold					
PLOFORDING CRUANIZATION NAME O	ND RUCHESS	IP PROGRAM ELEMENT PROJET, TASK			
General Research Corpo		AREA & BORG UNIT NUMBERS			
7655 Old Springhouse	koad Molean Va	10410			
CONTROLLING SFICE NAME AND A		1 BEPORT DATE			
HQ DA	¥¥=+87	November 1974			
DACS-DMA		13 NUMBER OF PAGES			
Washington, D.C. 203	10 Estert dellerone from Controlling Office	, 15 SECURITY CLASS (AL Chia report)			
		Unclassified			
		150 DEC'ASSIFICAT, ON DUGNERADING SCHEDULE			
Approved for public re					
	elease; distribution	un limíted.			
Approved for public re	elease; distribution	un limited.			
Approved for public re	elease; distribution	unlimited.			
Approved for public re DISTRIBUTION TTATEMENT for the ab	elease; distribution	unlimited.			
Approved for public re DISTRIBUTION TTATEMENT for the ab	elease; distribution ender entered - Birds 22. I ellerent National TECHNICAL INFORMATION SERVICE	unlimited.			
Approved for public re DISTRIBUTION TTATEMENT for the ab	elease; distribution endered - Birds 20. of different National TECHNICAL	unlimited.			
Approved for public re DISTRIBUTION TTATEMENT (or the ab	Autoranti to Autoranti to NATIONAL TECHNICAL INFORMATION SERVICE US Engineers of Communication Spingfield, via 22111				
Approved for public re DISTRIBUTION TTATEMENT (of the ab	Autoranti to Autoranti to NATIONAL TECHNICAL INFORMATION SERVICE US Engineers of Communication Spingfield, via 22111				
Approved for public re DISTRIBUTION TTATEMENT (or the ab SUPPLIMENTARY HOTES	Automatic by NATIONAL TECHNICAL INFORMATION SERVIC US Equipment of Commun. Springted, VA 27111 Ingreased of Interfer	unlimited. DDC DEC 19 54 UEC 19 54 UEC 19 54 DEC 1			
Approved for public re DISTRIBUTION TTATEMENT for the ab SUPPLEMENTARY NOTES REV BORDS (Continue of reference and a CONUS reorganization subgoal objectiwe	Anderson and the Birds 20, of delicement Anderson and the Birds 20, of delicement NATIONAL TECHNICAL INFORMATION SERVICE US Equipment of Comment Subobjective	unlimited. DDC DEC 19 54 UEC 19 54 UEC 19 54 DEC 1			
Approved for public re DISTRIBUTION TTATEMENT (or no ab SUPPLIMENTARY HOTES CONUS reorganization subgoal objective impovative change	Autorant to Autorant to Autorant to NATIONAL TECHNICAL INFORMATION SERVICE US Continue of Communic Services of Autorant Subobjective resulting interact goal Peasurement area	unlimited. DDC DEC 19 54 UEC 19 54 UEC 19 54 DEC 19 54 D			
Approved for public re DISTRIBUTION TTATEMENT (of the ab SUPPLEMENTARY HOTES EEV BORDS /Commun on persons and a CONUS reorganization Subgoal objective innovative change ABLTRACT (Commun or revenue or by	Autoreant by NATIONAL TECHNICAL INFORMATION SERVIC US Empresent of Communi- Spregraid, VA 22111 Processery and identify by block much subobjective resulting interact goal PPasurement area Processery and identify by block much	unlimited. DDC DEC 19 54 DEC 19 54 D			
Approved for public re DISTRIBUTION TTATEMENT (or me as SUPPLIMENTARY NOTES SUPPLIMENTARY NOTES CONUS reorganization subgoal objective immovative change ABLIMACT (Commun or receive act of The study provides an	Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autodation Autoda	unlimited. DDC DEC 19 M DEC 19 M performance measure organizational effectiveness " d on selected performance			
Approved for public re DISTRIBUTION TIATEMENT (or the and SUPPLIMENTARY NOTES EEV BORDS (Continue on reverse order CONUS reorganization subgoal objective innovative change ABLTMACT (Continue or reverse order) The study provides an measures which will as	Automatic to Automatic to Au	unlimited. DDC DEC 19 54 DEC			
Approved for public re DISTRIBUTION TTATEMENT for the approved for public re SUPPLIMENTARY NOTES EXTRONOL Continue on reserve and a CONUS reorganization Subgoal objective impovative change APLYMACT (Contents or reserve art of The study provides an measures which will as ness of the US Army on	And a set of the set o	unlimited. DDDC DEC 19 54 DEC			
Approved for public re DISTRIBUTION TTATEMENT (of the open SUPPLIMENTARY HOTES EXTRODUCTION TRATEMENT (of the open SUPPLIMENTARY HOTES EXTRODUCTION TRATEMENT SUPPLIMENTARY (OF the open SUPPLIMENTARY (OF the open	Automation and a start but ion Automation and a start but ion Automation and a start but ion Automation at the start of the start Information SERVICE US Engineers of Converses Spectral, va 22111 Automation SERVICE resulting interact goal Reasurement area Automation plan hase sist in the overall Ver time in terms of of the CONUS Reorgani	unlimited. DDC DEC 19 54 DEC 1			
7 DISTRUBUTION TTATEMENT for the ab 8 SUPPLEMENTARY HOTES 9 SUPPLEMENTARY 9 S	Autoreant to NATIONAL TECHNICAL INFORMATION SERVIC US Employed of Communication Spring and Identify for Much much subobjective resulting interact goal Presurement area Information plan base sist in the overall Ver time in terms of of the CONUS Reorgani ment other evaluation	unlimited. DDC DEC 19 54 DEC 1			
Approved for public re DISTRIBUTION TTATEMENT (of the ab SUPPLEMENTARY NOTES SUPPLEMENTARY NOTES SUPPLEMENTARY NOTES CONUS reorganization Subgoal objective impovative change Approvative change Approvative change Approvative change Approvative change Approvative change Approvative change Approvative change Approvative change Approved for public re impovative change Approved for US Army ov goals and objectives of is intended to complex	Autoreant to NATIONAL TECHNICAL INFORMATION SERVIC US Employed of Communication Spring and Identify for Much much subobjective resulting interact goal Presurement area Information plan base sist in the overall Ver time in terms of of the CONUS Reorgani ment other evaluation	unlimited. DDC DEC 19 EA DEC 1			
Approved for public re DISTRIBUTION TTATEMENT (of the ab SUPPLIMENTARY NOTES SUPPLIMENTARY NOTES SUPPLIMENTARY NOTES CONUS reorganization subgoal objective imnovative change Approact (Commun or receive such () The study provides an measures which will as ness of the US Army ov goalz and objectives of is intended to complex personal estimates and	Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automation Automa	unlimited. Unlimited. DDC DEC 19 DEC 19 D			

1

ŧ

;

SECURITY CLASSIFICATION OF THIS PAGE (When Date Forward)

UNCLASSIFIED

RECURITY CLASSIFICATION OF THIS PAGE (Bhas Date 2 seconds

20. (cont'd)

The plan is limited to selected commands and agencies that were severed or significantly affected by the Reorganization (i.e., Force Command, Training and Doctrine Command, Realth Services Command, Concepts Analysis Agency, and Operational Test and Evaluation Agency. The individual performance measures within the plan are specifically related to these commands and agencies as well as to the four major goals of the Reorganization. These goals are: (1) improve Army readiness of both active and Reserve Components, (2) harness schools and combat development activities, (3) improve the quality and responsiveness of management, and (4) reinforce the role of the installation commander.

The basic analytical approach involved a disciplined identification of specific organizational subgoals/objectives, development of areas for measurement and means of their measurement, and finally, development of the integrated evaluation plan to include analytical techmiques. The study used techniques and methods of effectiveness analyses. The plan provides for good use of existing data systems or new systems being established as the result of the reorganization to collect data for the evaluation. In some cases the formulation of performance measures directly into adequate quantifiable form is not possible and qualitative considerations in the form of surveys or special analyses wast play an important role in assessment of the effectiveness of the reorganization.

The evaluation plan consists of five separate detailed assessment plans—one for each of the five commands and agencies to be evaluated. Each of the detailed plans is organized according to selected areas for measurement, with each area containing a varying number of performence measures. The areas for measurement are basically functional categories used to help managers at HQ DA and elsewhere in the Army to focus their attention on the broad management concerns associated with each of the organizations. The actual data collection effort on which any evaluation must be based is determined by the performance measures of which there are 88.

The individual performance measures can serve several purposes: (1) provide an indication of performance effectiveness in a specific area of concern, (2) be used in combination with other measures to develop an overall picture of effectiveness, and (3) serve as the basis for identifying opportunities, formulating policy alternatives, and taking action with regard to the management, e.ganization, and operation of activities designed to achieve the mission/function covered by the measure.

An important use of the evaluation plan will be as a common means of communication for assessing the effectiveness of the CONUS Reorganization by those involved in the assessment process (i.e., the commands/agencies, AAA, IG, and Army Staff).



UNCLASSIFIED

SECURITY CLASS-CICATION OF THIS PAGE THAN Date Fature

. .

. .

. .

T

CEPOLNICE AMALYSIS DEPARTMENT

CONTRACT REPORT DAD CR-54

Published November 1974

Measures of Effectiveness-

CONUS Reorganization 1973

(As Portains to FORSCON, TRADOC, NSC, STEA AND CAA)

Volume I-Executive Summary

by

M H Hannlion G G. Gold P. Sclumon

DISTRIBUTION STATENENT Approved (+ public release); distribution unitedted,



OPERATIONS ANALYSES DIVISION



WESTGATE RESEARCH PARK, MICLEAN, VIRGINIA 32101

ii.

PNEFACE

ί.

This report presents an evaluation plan designed to assist the Army in the overall assessment of its effectiveness in terms of the goals of the CONUS Reorganization - 1973. The report consists of four volumes. Volume I provides an executive summary. Volume II contains the detailed plan; it identifies measurement areas and performance measures and relates them to specific commands or agencies and goals. Data collection and analytical techniques are discussed in Volume III. Background information on the development of the plan to include information on study team visits and o pervations is provided in Volume IV.

The background material and information required for the study could not have been assembled in the time required had it not been for the unstinting cooperation of many individuals in the commands and agencies included in the evaluation plan. The critical reviews of Tasks I, II, and III were most helpful in narrowing the evaluation plan to managemble size and scope. Although these command and agency inputs contributed greatly to the plan's development, the final recommended plan is the sole responsibility of the authors.

A particular debt of gratitude is owed to Colonel Paul Raisig, the SAC Chairman, LTC Robert Michel, and LTC Win. (ald C. Frank, all of the Office of the Chief of Staff, US Army, for their time), guidance and assistance throughout the project. LTC Robert Faulkender, Headquarters FORSCOM; LTC Mark Hoke, Headquarters BSC; and Mrs. G. C. Milliken, Headquarters TRADOC, were particularly helpful in coordinating visits and study papers within their respective commands.

The manuscript was patiently prepared by Mrs. Betty M. Shifflett and Mrs. Elizabeth Ficklin of General Research Corporation.

CONTENTS

11 11 A 11

SECTION		PAGE
	PREFACE	111
	EXECUTIVE SUMMARY	ì
1	DEVELOPMENT OF EVALUATION PLAN	(In Vol II)
2	OVERVIEW OF EVALUATION PLAN	(In Vol II)
3	USES, LIMITS, AND POTENTIAL EXTENSIONS OF THE PLAN	(în Vol II)
APPENDIXES		
A	Detailed Assessment Plan for TRADOC	(In Vol II)
В	Detailed Assessment Plan for FORSCOM	(In Vol 11)
С	Detailed Assessment Plan for HSC	(In Vol II)
D	Detailed Assessment Plan for CAA	(ln Vol II)
£	Detailed Assessment Plan for OTEA	(In Vol II)
F	Data Collection	(In Vol III)
G	Analytical Techniques	(In Vol III)
H	Summary of Tasks and Their Relationships in Development of the Evaluation Plan	(In Vol 3V)
I	Visits, Ob ervations, and Preliminary Assessment	(In Vol IV)
RE FERENCES		18
ABBREVIATION	IS AND ACRONYHS	24

γ

Contraction of the local division of the loc

٤.,

٠.

: 1.

1

• •

Preceding page blank

EXECUTIVE SUMMARY

Sec. Sec. S.

i

h +

.

. i.

• •

.

CONTENTS

	Page
PURPOSE	ł
Scope	1
INPETUS FOR EVALUATION	2
BASELINE FOR THE ASSESSMENT	3
ASSESSMENT APPROACH	5
Purameters	5
Approaches to Assessment	6
Models for Analysis	6
METHODOLOGY FOR PLAN DEVELOPMENT	8
OVERVIEW OF EVALUATION PLAN	9
Performance Measures	9
Reporting Frequency	13
Levels of Effort	16
Pre-Reorganization Comparisons	14
USES OF THE EVALUATION PLAN	14
LUNITS OF THE PLAN	15
EXTENTIAL EXTENSIONS OF THE PLAN	16
SUMMARY	17
REFERENCES	18
ABBREVIATIONS AND ACRONYMS	24

Preceding page blank

vii

(DAMESCA) 100 25 25

PECUMES

1	Phones of Organizational Behavior	5
2	Rejected Model Approaches	7
TABLE		
X	Evaluation Plan Summary	10

vtii

and the Annual Annual Street and an and the state of the

EXECUTIVE SUMMARY

PURPOSE

This report summarizes an evaluation plan based on selected performence measures which was developed to assist in the overall assessment of the effectiveness of the US Army in terms of the fulfillment of the goals and objectives of the CONUS Reorganization of 1973. The plan is intended to complement other evaluation means such as commanders' personal estimates and reviews by Department of Army specialized agencies, for example, the Office of the 1- spector General and the Army Audit Agency.

SCOPE

The plan is limited as specified by the study sponsor to selected commands and agencies that were created or significantly affected by the Reorganization, i.e., Forces Command (FORSCOM), Training and Doctrine (ommand (TRADCC), Health Services Command (HSC), Concepts Analysis Agency (CAA), and Operational Test and Evaluation Agency (OTEA). The individual performance measures within the plan are specifically related to these commands and agencies as well as to the four major goals of the Reorganization. Those goals, also provided to the study team by the sponsor, are:

- Improve Army readiness of both Active and Reserve Components.
- Harness schools and combat development activities.
- Improve the quality and responsiveness of ranagement.
- Reinforce the role (the installation communder.

The goals are refinements of several statements of guidance and purpose which had been the basis for the advance planning process used by the Army to develop the overall CONUS Reorganization plan. The goals summarized the basic thrusts of the Reorganization and served the significant

purpose of indicating the directions toward witch forme detailed planning and implementation should be headed.

IMPETUS FOR EVALUATION

The impetum for a formulized unnersument of the CONUS Reorganization of 1973 was a product of:

 The intense interest of top Army management in an overall assessment of the performance of the five specified organizations.

- · The extreme importance of the reorganizational changes that occurred.
- e Recommendations from external sources for a follow-on evaluation.

Experience and a series of samagement studies during the period 1965-1972 had identified and defined important problems under the CONARC-CDC concept of organization. Noncover, declining manpower, increasing costs, and reduced purchasing power all pointed to the need for realignment and strengthening of various Army elements. Top Army management wanted to have a means of assessing overall organizational performance within CONUS in a routine manner which would assist in managing ongoing operations plus encourage the design and implementation of any needed changes in the future without excessive delay and turbulence.

The very real importance of the changes which occurred because of the 1973 Reorganization was another factor in the impetus for the development of this evaluation plan. In the past it had been decided that CONARC's span of control was too broad to manage both the readiness and training missions with proper effectiveless. But now the question was whether two co-equal commands, FORSCOM and TRADOC, each with command over assigned inscallations, could fulfill their missions cooperatively. In the past, the separation of combat developers from the service schools had resulted in the inability to utilize combat developments resources with the desired effectiveness. Now the question was whether the inclusion of the Combat Developments Command's elements within the new TRADOC structure would result, in fact, in the closer integration of combat developments products and activities with the actual needs of decision makers and trainers. Each of the new organizations-+URSCOM, TRADOC, BSC, CAA, OTEA-brought with it new questions. All of these questions focused on a single concern: Mould the new structures help the Army do its job? Answers to this concern were essential if further improvements were to be planned and implemented

effectively. The inportance of each organization's mission underscored the necessity that itends in organizational performance be identified and analysed before they developed into organizational crises requiring dramatic corrective action.

Providing still mather impetum for the development of this evaluation plan was the interest of Congress and its investigative agency, the General Accounting Office. To part this interest stemmed from Congressional concern for the increasing costs of manpower and weapon systems, and the desite to improve the ratio of combat to support resources. In part this interest reflected one of the conclusions of the GAD's report on the Reorganization:

> We believe that the Army recognized the need for organizational change and accomplished that complex and difficult task of planning satisfactorily. The Army should establish a formal evaluation mechanism to measure the effectiveness of its new organization... The...findings should be available to the Army's key decisionmakers for periodic review. This should help insure that the reorganization goals and objectives are met.¹

BASELINE FOR THE ASSESSMENT

÷.

÷ .

Three plausible baselines were considered for the evaluation: past performance, theoretical standards of desired future performance, and trends in real present performance compared over time. The proposed evaluation plan centers on the third baseline. Its sim is to define reasonable, acceptable criteria and to identify sources of data which will be sufficiently stable to perait a series of iterative evaluations for the purposes of identifying trends in performance.

¹Comptroller General of the United States, The Army Reorganization for the 1970s: an Assessment of the Planning, 000 B-172707, August 13, 1973, op 19-20. A comparison of present organizational performance with the post would lave focused on the comparison of the COMARC/CDC concept with the present FORSCOM/TRADOC/MSC/CAA/OTEA concept. Comparable criteria and sources of data would have been necessary. The data have for such a comparison is incomplete, and totally absent in several instances since past organizations had no reason to anticipate the requirements of the evaluation plan now being developed. Because of this and the unlikelihood that the Army would consider reverting to its former configuration, comparisons with the past could only be incomplete and of partial value. Nonetheless, this approach is recognized in the present plan where individual measures are categorized according to the svallability of data for past comparisons. This is done because of the Army's desire to make at least broad judgments as to the advantages and disadvantages of the Recorgenization in comparison with the past.

A comparison of present performance with desired future performance would have required that Army managers establish theoretical performance standards including the specification of the conditions under which these standards could be attained. The Army did, of course, articulate the four major goals of the Moorganization. These goals, broadly conceived as they were, served to point the Reorganization planners and the organizations they designed toward generalized directions. But those goals did not provide criteria of success or failure. Sor were such criteria provided elsewhere in the planning effort. Army management desired to build into its organizations the capability of adapting flamibility to changing environmental conditions. The setting of marrow performance criteria would have restricted unnecessarily the ability of measure at the command and agency levels to revise their internal structures. Improvement is future performance is recognized in the assessment plan as a matter inquiring the selection by Army managers of timely strategies and techniques aimed at meeting performance objectives suited to specific situations rather than presuming to anticipate those situations. Information developed by this plan should help make those decisions more accurste and effective.

The proposed evaluation plan emphasizes the third baseline: trends in real present performance compared over time. Such a baseline uses the initial data collection to establish a point of comparison for future data collections. It remains the responsibility of free managers to examine the actual measurements and trends to determine if performance is acceptable under conditions existing at the time. It also remains the responsibility of Army managers to take such corrective access as may seem required and to implement evaluation activities to determine if those corrective actions were appropriate if fact.

ASSESSMENT APPPOACH

Pacameters

Là

The evaluation plan has been formulated within guidance provided by the uptors of this guidance explosized the needs, (its:, to utilize defining data and reporting mechanises to the pushmum possible extent, and second, to emphasize simplicity in the plan, kneping the number of second to a minimum. This guidance appeared to represent the objective to produce in evaluation plan which:

> could provide adequate coverage of key areas by sampling of selective indicators.

a rould be reported in concise terms.

a could provide comparable data suitable to crend (nalys)s.

could be administered with minimal additional resource requirements at HQ DA or at the affected commands and agencies.

 would be accepted on a stasonable reporting requirement by the various commands and agencies from whom information would be collected.

• could be eased by the Army free's with fittle or no dependence on outside contractors.

This guidance affected the design of the study in two principal ways. First, every effort was made to avoid new reporting requirements. Thes, in some instances, a satisfactory cristing report was included in preference to designing a new data requirement which might have provided a more exact description of a particular issue. Second, the need to achieve a relative simplicity of design meant that the assessment plan would have to avoid the pyramiding of measure upon measure, a netbod which assumes that overall organizational performance can be understood as a series of direct classificationships. Given the numerous external influences upon organizational performance throughout the Army, such pyramiding would have been very volverable to inaccuracies.

Approaches to Assessment

Within the parameters established by the spensor's guidance, the applicability of both of the traditional approaches to the analysis of organizational effectiveness—the goal approach and the functional approach—were examined. In the end, a hybrid approach was adopted because, while the four major goals were prescribed by the Army, the dynamic nature of the Army's operation also requires the use of the organization itself as a frame of reference. The importance of the functional approach was emphasized by the fact that the Army underwent two additional reorganizations of major magnitude (reductions and scalignments of the Army Staff and reductions of oversea headquarters) during the preparation of this evaluation plan. Both of these reorganizations in some measure impacted on the commands and agencies to be evaluated. Furthermore, the four goals were stated not as final conditions to be achieved bur rather as intentions to improve the performance of four crucial functions shich cut across organizational boundaries in many instances.

Models for Analysis

Several accieves for analysis were considered in the design of the evaluation plan. For the purposes of this study a modified systems model based on the phases of organizational behavior (Figure 1) was used. This worked emphasizes the flow of resources and _ tivities found in each of the five commands and agencies without attempting to place the five organizations within a single common system.

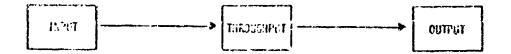


Fig. 1 -Phases of Organizational Dehavior

The flow of recorres and activities is each organization was defined as having three basic phases: input threachput, and output. Wherever possible, reasures of output were and, since the question of organizational effect veroes is essentially a greation of an organization's ability to produce coursed end products. Where output measures were not readily available, measures of input and throughput were used if it could be reasonably assumed that charges in those input and throughput denoties would directly affect the production of outputs. For example, TDA figures represent an input factor (mapower) which is presumed to influence the workload performed during a given year by a given organization.

Several other models of organizational analysis were considered but rejected (Figure 2). Models based on organizational theory were rejected in large part because so more of them are based on assumptions concerning employee satisfaction or "psychological contracts" assumed to exist among an organization's members. Organizational theory models also tend to emphasize factors affecting ergenizational survival, considering survival as the ultimate "putput." The Arry's concerns relative to the 1973 Reorganization, however, were less theoretical and more practical, more concerned with the specific functions theoretical and more practical, more concerned with the specific functions theoretical studies—that the five organizations were expected to fulfill.

DRGANIZATIONAL THEORY	SYSH.MS IESILA	ELEPENIS OF ADMINISTRATION
Structure	Sampa ICITY	FLAMING
HEFRANCHY	FLERIBILITY	ORGANIZATI GR
AUTHOR I TY	RECEADELETY	îthang
SPECIALIZATION	ECONOMY	COORDINATION
Span of Control.	ACCEPTABILITY	Con They.
AUTHORITY SPECIALEZATION	RECEABLEETY	Formand Coordination

LINE AND STAFF

Ē

L

L

Ĺ.

1.

Fig. 2-Rejected Model Approaches

System design models were rejected because they tend to be too comprehensive in scope for the purposes of this study. Such models emphasize the relationships of organizations to their external environments as well as the complex relationships among the internal parts of each organization. Use of a system model would have directed management's attention to such insues as communication and policy ruking between and within organizations. These issues, however important in themselves, were not appropriate to the requirements of the study sponsor. Moreover, the cost of implementing an adequate system evaluation plan would have been prohibitive.

METHODOLOGY FOR PLAN PERELOPMENT

The methodology for the development of the evaluation plan embracid several key tasks:

 Beview and analysis of Army documentation of the Reorganization of 1973 and earlier reorganization studies.

• Identification of innovative changes, resulting interrelationships, and the subgoals and objectives of the five organizations involved in the evaluation. The interrelationships among these organizations, nine major functional areas, and the Reorganization geals also were defined. (Appendix H details this.)

 Selection of specific areas for measurement and performance measures.

 Identification of supporting data elements, their sources and frequency of collection, and analytical techniques to be used.

Completion of these tasks was facilitated by visits to a representative sample of the activities affected by the Reorganization and discussions with several commanders and scalf members at the various here is within CONUS. (Appendix 1 provides a recap of visits and observations.) Their inputs regarding measurability, importance, and comprehensiveness of measures helped considerably in further refining and limiting the areas for measurement and their related performance measures.

OVERVIES OF EVALUATION PLAN

Table 1 is a summary of the proposed evaluation plan. The performance measures are grouped into six summary evaluation areas that easily relate them to Army missions and operations. Each performance measure also applies to one o more commands and to one or more of the four major goals of the Reorganization that are identified in the plan by letters as follows:

A ~ improve Army readiness of both Active and Reserve Components Forces.

B - Harness schools and combat developments activities.

C - Improve the quality and responsiveness of monagement.

D - Reinforce the role of the instaliation commander.

Performance Measures

The individual performance measures can serve several purposes:

s Provide an indication of performance effectiveness in a specific area of concern.

e Be used in combination with other measures to develop an overell picture of effectiveness.

• Serve as the basis for identifying opportunities, formulating policy alternatives, and taking action with regard to the management, organization, and operation of activities designed to achieve the mission/ function covered by the measure.

There are 63 performance measures included in the summary plan. These are considered the minimum essential to provide adequate coverage of key areas that contribute to a meaningful evaluation. An additional 25 performance measures are contained in Appendizes A, B, C, D, and E which are the detailed assessment plans for each command or agency. These addes measures would provide important complementary support for the assessment but also would require a larger investment of resources for the evaluation.

Table 1

Sector and sector

States and states and states

أعدادتها

material and and and a first of the second statement of

Section March 19

EVALUATION PLAN SUMMALY

Later	Appiste able callinged/	toport ise	Lat implos Level of e.	Re Lated	Valid for pre- rrorganization
→ Maximum and the summarized setting and setting and the same and the summarized set of the summarized set of the summarized setting and the summarized	All they were	(regards y	tort reguland		comportions
TRACETAN (Reservation), UNROUT and SUPTORI)					
Ska 1925a of current annighed strongth for BD YBABIX (Lova UCSCD and D(SHJ71) campared to (sty 197) authorized 196 strongth.	Trails.		Ni wina n	¢	tin.
Costs tadjunted for inflations per actual scuduat/trainer.	TRAMER	autour Lis	PFS as is grantin	ι	1+
critical MES shortages compared to training i adm tDA-programmed and					
an tudali by 11636.	TRADIC	Admustly	Fictor Factoria	r	Yes
The percents of american dasky School/ATC (orreining, loads (DA- and Training, loads (DA- and Training regressed) altaxised.	TRADIN	Appus I I v	Fits Lucas	e	Tes
the parcent of student population and entrolled in contara	TRASEN	Ann wally	Min i man	ŧ	Yes
the average cost per tratage of Accession (Verland Transf-Baliacod (VES)	REEAD 7	Approvol 1 V	Nau Lanc o	τ	Tes
The quality of service accirol langtraction as demonstrated by on-the-jack performance of t-cent graduates	TRABLE & RSF	Approxity	Substantal	B ,C	N ro
The area and a suber of maniful required for the introduction of new doctrine.	TRAIRS	Assessed 1 by	Moderate	8 ,C	5 .
The perional of volutive achieved faculty mms-years descrive to support of cultering (unit) training.	T CARX.	Annusi Iv	Subst Wr.1a)	¥.C	B o
The percond of educements is filling the Army's adminal requirements (totals a denserve) for proceed treatenants.	t anian	Aamma I I v	Filia and reports	C	763
The fatte of the suchtand current analyzed strongth for FRARE USANTL					
and the four Mitt Megica Mendgaartees compared to the July 1973 Juckersand ZDA atsungthe for theme actsuities.	TRACEN	Admup 11y	Wist we	r	2e
Percent of Cotal radiate complexianed through the Sensor melt Program that are found or unority cohere.	744aan	Anno 11 v	Last Bab	Ľ	Yez
The percent of retents of through commissioning of serior MATE cadets granized scenticeship as distance.	*** 1***	Amount ly	t in Lindo	c	1 en
NEADERT \$5 (NARAGENER AND STATUS)					
The percentage activement of everali unit about is relation to authorsmolievels of organization (AUN) and the Department of Army Authors Department (or (Army))	fin Char a Winn		We as a summer	A.C	Yes
Magniter Priority Lint (GADERL).	PUBLICIUM	Secil annual 3v		ne 1	147
The facto of combat to suggest personal strengths.	MISCON	APPRAILY	Histons	A.C	Tera
Dw percentage ochievenent of unit training objectives by units sub- netting rebliness toporta.	2045-00H	Pontbly	715 n 1 Main	A.C.T	Yeu
The percentage of STRAY wait personnel pasigned on special duty to costalizion fuertiona.	PURSTON	Surfactor	Nini and	A,C,P	8 0
Ferromings of material operationally ready (00), not operationally ready					
maintenamer (NCMM), and not operationally ready supply (NDMS).	PORSCER	Hench 1y	Risigne	A.C.D	1es
Perioritage of Active Army Bas and organism car subted and failed (ATT/ORTI)	MORSCOM	Amountly	141413mm	A	Ter
The period go of Reserve Companies whits achieving training objectives. Freepans or comparable level proficiency),	P\$#5430	Annu 21 T. R. W.	761 m Cangas		764
The percentage of senterlard conjuland for training that is operationally swady (OR), not operationsely ready printenzane (HOMN), and ent operationally ready supply (HOMS).	2728.5C23M	Scint annion I ty	Mateux	۵	100
The periorstage of "E periorsnel time spent in the field for application e authors.	ANSON	Guarterly	115 to 1 mage	c	3 0
The timeliness of request settofaction by ML for veliginasistence requests from Generue Gomponents units.	PORSOLES	Quest ter in	Winin	c	Te
The stockerliastion of the opprocess utilized by Addan and Miss a Carriege out their standards and fractions	REPERCEN		Noderate	c	 Ee
The anormations of developments personnel regarding the impactu of the top of development mit personnel regarding the impactu of the top of development mit advisors for most bettalions and ramiter				•	
ar the love of destinates must derivers for most dettained and runnier unsite, the greater availability of technics) experition in functional areas, and the cuphesis on "backy on" destates.	POILS ODP	One - t i Ge	Bir Jakate	C	See

Table 1 (continued)

	Applicable	regular of the second	first fairuit and		Palse for pir
Sumper mulation area and endources	e annout /	Reporting	laged of st-	Bo Lated	wergenfasts
		freedows.	tert vegation		
AT AREST ONE TRANSPORT OF TRANSPORT A					
The ratio of the cumbined anniguesi strength of the TRANC MISLD and the					
CALLAS, PACHA, and MACL to the Jaty 1973 authorized The strongths for these ortivistos	TRAINIE	Agnually	Na o Juna	9. 6	Ste r
The production of theynisme Operational capability (RDC) documpning.	TRANK	Annest 1y	Man Shanp	8,C	ile.
The sefect of trial sensel contest devicepents tasks (programmed and upprogrammed) accursticated.	TRASO	Mount I v	subetas () o)	B .4	B ts
The technic of the solitones and utility of modulat impate into the comment development provide managed by TASH and medical development	180.00			••-	_,
activities that not subaptly by UTE	844.	Admustly	Weins & Garge	8	the.
the extent of suppoper of some the works from exclusions and second exclusions tents being performed and/or countries by TRADEL.	794.00	4mmunit 2m	Subay and 2 ad	\$. C	an,
ATTE (MARAL JARNA CARA TARA TARA					
Anakage andber of permass staff visits per Mibble per merter by the					
ingiural southinates of his staff in the interest of undiral pro- tomuscheina and atandardization of health care delivery.	W >1	quarterly	Vito Lezzo	c	Sa.
Percent of appreted installation companders restated by the Registed Genericanies for the rulpess of detectioning their views on the effective-					
area of health (are	85	Segt accountly	Vita ya Batanip	C.D	H _D
Antio 42 855 (6) a tual strongth to four RSS actual strongth.	2 5 -C	Ans-esily	iti a texa	C	R.
The ratio of though to outborized of the percents of modical pro- functionals, doctions and normers) the arm not involved in the direct pullonary of health cause	€b€	Accessor P. 1	Rij in Earap	č	ies
The percent of (BC's amous) feeding program that is distributed so subordingte elegence during the last two meths of the fiscal year.	#54	Amountly	ilte i sak	ç	Bø
The index of initialization commander extinion tion with locally provided - moulth were ex-	1 16	Assumbly	Subatential	A.C.D	ille.
Sur 1969s of patient enciofaction with benefit case and its delivery.	105 C	abbus I to	Subat one Fal	c	Re
PROPER OR AFALTED AS AND DECESSION-MATCHIC SUPPORT					
The distribution of the Elecal year (dis work offers)	(AA	Annualty	Wieżana	c	Be
The effect of actual structurettes of the tend profession is a support of a spin lower tends of the second tends		Same: 11v	Subat not i a l	c	Sec.
The ratio of current mutigand strength for CAA compared to July 1973		· · · · ·			
authorized TDA strungth. The allocation and exponditure of TAA zenouscen for model instrument	CA3	Amount 1 1y	PEL or \$ 10 mg/m	¢	ile.
and down Laprizon .	CAA	Amontthy	Manique	c	Ro
The percent of this? With work effort utilized in direct support of the BQ DA staff office to which LAA is analyzed.	CAR	Annut 137	Manage	с	ile-
">Pappage" from wat ablished schedules for tacks being performed by CAA.	CAA	Assumbly	Nin Lings	c	Ne
The patto of study - without female to total club costs	CAA	Amount iv	Minimum	c	N.
Panhish between the and other from forcefrontiat dev lopers.	CAA	Annealiv	Rinde Fate	8,C	910
The rotio of (THE) estimates of most truting (and requirements to artual topt costs.	otea	Manually	Win 10up	c	Ra
The percentage of test findings qualified by two affiriest percensel, craising, time	AFTO	manus Li y	(ML on Stationizes	c	H.
the effort of OTLA tedependence evaluations an decision aphing in the autorici acquisition process and the development of cancepts, doctrine, and oppositetions.	OTLA	Allman 3 Ly	L'inde rat e	c	ika -
The authors of tiges statuments based on other than findings of fact appear in their injusts and evaluations.	OTEA	Annenliv	Nøderatø	c	He .
The willing of the FTTP as a tool for managing resources for major men selected sampjor systems (A, major FDE), and joint as resting - contain					
by MEA.	- 178 A	Stempiolly	hudu ratu	B.C	19 3
The addressory of STRA management (sugnises) mo, pulities, procedures;					

Table 1 (continued)

H

Succession realization and analysis	App 3 6 cmb 2e cregound/	Reporting frequency	But tent of Lowe) of of- fart, supplied	to lated	Valsé for pro- reorganization
THE PROPERTY AND THE PR					
Supply Nivisian Fill Antr.	TRARDU & PAREDRA	Questerly	TE SALAND	C.,D	ile.
Seintmate Product im/Boch log.	TRADIC & PROCESS	Monthly	itte faun	C. 71	Be .
Installelius generated reventsizest and musilations rates.	TRAPAC A PRODUCT	Manch by	filler Augustus	C.W	100
The persons of MACHET's annual funding pengrom shot is distributed to unbordingto elements the last two sanths of the focal year.		Supposed by		C	Tes
The persons of the instalistions' annual tending program that is abiligated in the last thirty (30) days of the fieral year.	TRAPPE & PRESCOPI	Angegal Sy	Mintown	с.в	Tee
The content of modification (overage comiler of changes) of testallotion resource contracts,		AAAuuu 11y	rite Leniu	C . D	8.
The substance of usebligesed funds by taxialistions during the Last two Availas of the flocal year.		Channe 1 by	126 m Augustin	C.9	Tes
Percent of stack fund oblightime to asked and stock fund ablightime to commute.	TRANC & FORECOM	Questerly		c,#	
Percent of pay changes rejected (JMPS-Anny status report).	TRADOC & PRODUCTR	Quarterly	Vila Lunit	C,B	Yes
Vercent of financod regulations to total regulations for animanance of rash property	TRANSC & PORICIPI	Amoutly	Pid in A campo	C.B	Tes
Porceol of glass construction (direct agains) to guidianace of paging paperty (MP) (direct againma).	ETHERE & PUBBLICK	Jorster ly	an e Lucia	C.0	Tee
Permant of accupancy of family boundary	FRANKE & PORSENSE	Southmene Lin	Nia Louis	C,9	Yes

Appendixes A through E include the following detailed information on each performance measure: a full description of the measure, supporting data elements, data sources, current reporting status, the recommended collection frequency to support the evaluation, and suggested analytical procedures. Appendix F contains a discussion of data collection including sample aurways and their techniques and limitations. Appendix G provides discussions and examples of analytical techniques to be used in support of the plan.

While must of the recommended measures are quantitative in nature, the plan does not attempt to aggregate the various kinds of information into a single score of effectiveness. This is not practical due to the regnitude and breadth of the activities covered. Moreover, it is not compatible with the use of the evaluation plan as a means for monitoring ongoing operation.

Reporting Frequency

About 65 percent of the essential measures are based on the reporting of data on an annual basis. Two related to Reserve Components support are one-time measures unless the initial results indicate the need for follow-on evaluations. Except for these two, data collection should cover at least two years. It is possible that the Director of Management, Office of the Chief of Staff. United States Army, will choose to use several of the indicators as a permanent means of tracking operations in order to identify opportunities for improvements.

Fincel year 1975 data should be used for the first iteration of the evaluation plan with no data collection before convery 1975. This schedule is generally compatible with the times for measure established in an independent sturk, ponsored by the industrial College of the Armed Forces.² The schedule also allows ample time for final selection of measures, designation of personnel to conduct the evaluation, and finalization of integrated procedures based on using this plan and other means for the full assessment of effectiveness.

²LTC Newell Vinson, USA, A Delphi Study: Assessing Army Reorganization - CONUS - 73, ICAF, 10 June 1974.

Lawels of Effort

For purposes of this evaluation plan, levels of effort and defined as follows:

- e Minimum less than 2 tochnical man-months (TMM).
- * Nodarate 2 to 6 TKM.
- e Substantial over 6 TPM.

Approximately 76 percent of the recommended essential performance measures are estimated to require minimum levels of effort. This is possible because of the ready availability of the supporting data elements. Only 7 measures are estimated to require substantial efforts. In each case the importance of the measure is visual to justify the resource empenditure required.

Pre-Neorganization Comparisons

The evaluation plan summary includes an indication of the welidity of each of the performance measures for making comparisons with preveorganization performance. As indicated earlier, past performance under the former organizational framework is not the proper baseline for an evaluation that is primarily concerned with effectiveness now and in the future. On the other hand, if comparisons with the past are desired, the possibility exists for several areas as indicated in Table 2.

USES OF THE EVALUATION PLAN

This assessment plan was specifically designed to have several uses. These include:

• To provide a substantive indication of the effectiveness of the Army in its rereganized form.

• To provide HQ DA and various Army levels with key indicators of the on-going effectiveness of the Army in performing its missions and functions.

• To serve as a foundation for taking corrective actions in response to deficiencies in A my performance or changes in the Army's operational environment. Detailed command/agency reviews on a task-by-task basis during the phased development of the evaluation plan beloed to insure the plan's utility. During these reviews particular emphasis was placed on the:

Comprehensiveness of coverage, including organizational changes, resulting interactions, and areas for measurement versus command/agency missions.

 Validity, measurability reliability, and comprehensiveness of the associated performance measures.

The utility of the evaluation plan to measure the accomplishment of the Reorganization goals is demonstrated in Appendix I. Using informally collected data to test selected performance measures, a preliminary assessment is developed. These data are supplemented by information gained by the study team through interviews, briefings, and discussions during its contacts with over 300 representatives of the commands and agencies involved.

LIMITS OF THE PLAN

Although highly versatile in its use, there are also limitations to this plan. Principal among these are:

The several external variables that can affect the performance of each command and agency. The organizations whose performance is to be evaluated can not, for example, control changes in Congressional or DOD policisms and resource decisions. Detailed lists of such variables as they affect each of the commands and agencies are found in Annexes A.2, B.2, C.2, D.2, and E.2.

• The narrow scope of the p'an, focusing on only live of the commands and agencies affected by the Reorganization of 1973. This has meant that the plan could not address fully the crucial issues of the interactions and interrelationships between the affected organizations and other commands, agencies, and offices. For example, both readiness and training are subject to many factors determined at HQ DA and ANC. Issues such as personnel policy formulation and operation of the wholesale supply systems were not included. Inevitably, the scope of the plan neglects some key aspects of Army operations.

• The concluments of the plan, providing key performance assumes rather than a description of the total system. Conciseness is a major virtue of the evaluation plan in that it permits Army managers to pinpoint trends in areas of major concern without a large expenditure of time and resources. But conciseness has its limitations. Principally, this means that the information provided by the plan will not always contain final answers. The information frequently must be interpreted within the context of current demands and situations affecting the ability of the various commands and agencies to manage as desired. While the performance measures reflect the most important and significant aspects of organizational performance (within the limits noted here), they do not always provide definitive indications of the effectiveness of performance. Rather they point to areas where further investigation may be required, where modifications in operating procedures may be considered, and where future, more detailed, evaluation efforts may be directed.

POTENTIAL EXTENSIONS OF THE PLAN

Any decision to actively assess performance involves a resource allocation decision along with a decision regarding the necessity of the ansessment information involved. Therefore, the decision of whether or not to extend this plan to include additional Army satities and/or measures must be made by weighing the potential value of information to be obtained from assessment activities against the resources required to implement those activities. The proposed/present performance measures are all viewed as having high utility. Close attention was paid to the remource requirements of the measures, resulting in an evaluation plan utilizing existing reporting systems wherever possible. If the intended benefits of improved management capability are realized and extension of this evaluation plan is desired. Army managers will want to consider two other areas:

• The measurement and assessment of the performance of Arey entities not presently included in the assessment plan.

• The development of additional performance measures to supplement the proposed performance measures, particularly in the areas of individual training, combat and force developments, and unit training.

SUMMARY

During visits to the commands and agencies involved in this evaluation plan, it was obvious that they were deeply concerned and bard at work in daveloping means to measure their own effectiveness. This proposed evaluation plan will be a valuable aid to them in addition to providing the Army Staff with its own set of measures for a valid, economic assessment of the effectiveness of the major portion of the CONUS Reorganizetion 1973.

DEFENSACES

CITED REFERENCES

- Comptroller General of the United States, The Army Reorganization for the 1970's: an Assessment of the Planning, DCD B-172707, US Covernment Printing Office, Washington, D.C., August 13, 1973.
- Dept of Army, Logistics Performance Mensures, DA incular 700-25, 23 April 1974.

ADDITIONAL REFERENCES

Department of Defense

Martin Blumenson, <u>Reorganization of the Army 1962</u>, Office of Chief of Military History, Washington, D.C., 1964.

Dept of Army, The Advance Planning Process COMUS Reorganization 1973, 10 July 1073.

, Army Combat Developments, AR 71-1, September 1968.

, Army Force Development, draft AE 71-1, October 1973.

, Army Management Doctrine, AR 1-24, November 1957

. The Army Management Structure, AR 37-100-75, November 1973.

, The Army Planning System, AR 1-1, Morch 1972.

vept of Defense, "Army Reorganization Iscue," <u>Commanders Digest</u>, Vol 13, No 12, 25 January 1973.

Dept of Army, Asst Chief of Staff for Force Development, <u>A Concept</u> Plan for the Army Test and Evaluation Agency, 5 May 1972. A Concept Plan for the Concepts Analysis Agency, 5 May 1972.

, ..., Detailed Plan for the Concepts Analysis Agency, 20 July 1972.

July 1972. Detailed Plan US Army Test and Evaluation Agency, 20

÷ .

ι.

1

, , Force Development Process Overview, 29 Hovember 1972.

Guidance in Support of the Concept of Reorganization," 7 April 1972.

, Class I Installation Organization, AZ 10-10, May 1970.

, Doctrine and Philosophy for Management of Class I Installations, AR 5-3, May 1970.

, Functional Study of Installation Management, April 1972 (Myron Study).

, Internal Management Procedures, CAA Mamo 5-1, 15 Aug 1974.

, List of Approved Pacurving Reports, AR 335-11, June 1972.

, Management Information Systems: Policies, Objectives, Procedures and Responsibilities, AR 18-1, August 1971.

, The Management Process for Development of Army Systems, AR 11-25, 10 April 1968.

, Haragement System for Tables of Organization and Equipment, AR 310-31, May 1970.

, Office of Assistant Chief of Staff for Force Development, "Letter of Instructions (LOI) for Luplementing the New Materiel Acquisition Guidelines," 23 August 1972.

_____, Office of the Chief of Staff, letter DACS-MR, subject: "Guidence for Reorganization Detailed Planning," 15 June 1972.

, Office of the Surgeon General, <u>Detailed Implementation Plan</u> for AMEDD Reorganization in CONUS, 8 June 1973 revisions.

, Organization and Functions, CAA Nemo 10-1, August 1973.

. Organization and Functions, US Army Combet Developments Command, AR 10-12, June 1968.

. Organization and Functions: US Army Concepts Analysis Agency, AR 10-36, July 1973.

.

. Organization and Functions: US Army Forces Command, AR 10-42, June 1973.

. Organization and Functions, US way Realth Services Command, AR 10-43, June 1973.

. Organization and Functions: U.S. Army Operational Test and Evaluation Agency, AR 10-4, January 1974.

Organization and Functions: US Army Training and Dectrine Command, AR 10-41, June 1973.

, Organization and Functions, US Continental Army Command, AR 10-7, January 1968.

Project Manager for Reorganization, "CONUS Reorganization 1973," 2 October 1972.

, Report of the Board for Dynamic Training (Gorman Report), December 1971.

, Role of the Installation Commander in the Management of Hission Resources, 8 December 1972 (Latham Study).

_____, Secretary of the Army memorandum, "Charter of the Project Manager for Reorganization," 24 April 1972.

_____, Secretary of the Army Memorandum for the Secretary of Defense, subject: "Reorganization," 28 February 1972.

, Special Review Panel on Department of Army Organisation (Parker Panel), Harch 1971. and the design of the second of the second second

, US Army Concepts Analysis Agency, Implementation Plan, February 1973.

, US Army Forces Command, Organization and Functions, Reg 10-5, August 1973.

, US Army Forces Command and US Army Training and Doctrine Command, <u>Army Readiness Pegions Concept of Operations</u>, FORSCOM/TRADOC Reg 10-1, 1 July 1973.

, US Army Health Services Command, <u>Ambulatory Patient Care</u>, HSC Reg 40-5, May 1973.

Army Health Services Command, HSC Reg 10-1, May 1973.

, US Army Training and Doctrine Command, <u>TRADOC Portion Fi 74-75</u> <u>Army-Wide Training Literature Program (Semiannusl Update</u>), 31 October 1973.

TRADOC Pan 72-2, September 1973.

, <u>Combat Developments Hanagement Information System (CDMIS)</u>, TRADOC Frg 71-1, April 1974.

, ____, TRADOC Standard Scenarios, TRADOC Reg 71-4, October 1973.

draft TRADOC Reg, undated (1974).

, TRADOC Schools Data Books (draft), June 1974.

____, HO TRADOC Management Indicators, TRADOC Hemo 11-1, a.d.

August 1973.

AR 335-11, October 1973.

1973. Kaagement Improvement Programs, TRADOC Reg 5-1, July

TRADOC Reg 10-1, July 1973.

____, <u>TRADOC Three Year Program (TTYP</u>), Letter, 10 October 1973.

11-21, 11-22, December 1973, February 1974, May 1974.

21

US Continental Army Command. Implementation of DCSLOG STEADFAST Flan, CON Cir 700-1, March 1973.

November 1972. Operation STEADFAST Phased Implementation Plan, 30

, ..., Operation STEADFAST Revised Detailed Plan, 5 June 1973.

L. W. Hoelscher, <u>Study of the Functions, Organizat</u>⁴ and <u>Procedures</u> of the Department of the Army, OSD Project 80 (Arms) Dept of Army, Washington, D.C., October 1961.

Other

American Institutes for Research, <u>Evaluative Research:</u> Strategies and Methods, Author, Pittsburgh, 1970.

Robert N. Anthony, <u>Planning and Control Systems: A Presevork for</u> <u>Analysis</u>, Division of Research, Graduate School of Business Administration, Harvard University, Boston, 1965.

Army Logistician, "Quality Assurance for Defense," 5(6):13-16 (Nov-Dec 73).

Jon H. Barrett, <u>Individual Goals and Organizational Objectives</u>, Center for Research on Utilization of Scientific Knowledge, Institute for Social Research, The University of Michigan, Ann Arbor, 1970.

Francis G. Caro, <u>Readings in Evaluation Research</u>, Connecticut Printers Inc., Hartford, Connecticut, 1971.

Committee for Economic Development, Improving Federal Program Performance, Committee for Economic Development, New York, d.Y., 1971.

W. W. Cooper, et al, <u>New Perspectives in Organization Research</u>, John Wiley and Sons, Inc., New York, N.Y., 1964.

Ernest Dale, Organization, American Management Association, New York, M.Y., 1967.

William E. DePuy, "TRADOC: A New Command for an Old Mission," Army, 23(10):31-34 (Oct 73).

William M. Evan, ed., Organizational Experiments: Laboratory and Field Research, Harper and Row, New York, N.Y., 1971.

Gilbert W. Fitzhugh, et al, <u>Report to the President and the Securary</u> of the Defense on the Defense Department (by the Blue Ribbon Defense Panel), US Govt Printing Office, Washington, D.C., 1970. Jaisingh, Ghorpade, ed., <u>Assessment of Organizational Effectiveness</u>, Goodyear Publishing Co., Pacific Palisades, Calif., 1971.

R. A. Johnson, F. B. Kast, and J. E. Rosenweig, <u>The Theory and Management of Sympass</u>, NeGraw-Hill, New York, 1:67.

D. Kars and R. L. Kahn, <u>The Social Psychology of Organizations</u>, John Viley and Sons, Kaw York, 1966.

Vincent J. Klaum, "Expanding the Scope of Performance Evaluation," <u>Air University Review</u>, 21(6):36-41 (Sept-Oct 70).

Harry Levinson, Organizational Diagnosis, Harvard University Press, Cambridge, Mass., 1972.

James G. March, ed., Handbook of Organizations, Rand McMally and Company, Chicago, 1965.

John G. Mourer, ed., <u>Meadings in Organization Theory: Ogen System</u> Approactes, Random House, New York, 1971.

George S. Odiorne, <u>Henegement Decisions by Objectives</u>, Prentice-Hall, Inc., Englewood Cliffs, F.J., 1969.

Joseph A. Olzstead, <u>Factors in Organizational Effectiveness</u>, Professional Paper 1-72, Ruman Resources Research Organization, Alexandria, Va., January 1972.

James L. Price, Organizational Effectiveness: An Investory of Propopopitions, Richard D. Irwin, Inc., Houswood, 111., 1968.

Bernard W. Rogers, "People the Key in the New Army," <u>Army</u>, 23(10):22-26 (Oct 73).

Edward A. Suchman, <u>Evaluative Research</u>, Russell Sage Foundation, New York, 1967.

and the second second

James D. Thempson, Organizations in Action, McGran-Hill, New York, 1967.

US General Accounting Office, <u>Improving Management for More Effective</u> <u>Government</u>, US Gove Printing Office, Washington, D.C., 1971.

Victor H. Vroom, ed., Methods of Organizational Research, University of Fitts surg Press, Pittsburgh, Pa., 1967.

Carol H. Weiss, <u>Evaluation Research</u>, Prentice-Hall, Inc., Inglowood Cliffn, W.J., 1972.

Joseph S. Wholey, et al., <u>Pederal Evaluation Policy</u>, The Urban Jostitute, Washington, D.C., 1970.

E. Yuchtman, <u>A Study of Organizational Effectivaness</u>, University Microfilms, Ann Arbor, Michigan, 1970.

ABBREVIATIONS AND ACRONYNS

]

ALO	authorized level of organization
ANEDD	Army Medical Department
AML	Army medical laboratory
AMS	Army nanagement structure
ARCOM	Army Reserve Command
ARR	Army readiness region
ARTEP	Army training and evaluation program
ASARC	Army Systems Acquisition Review Council
AT	avaual training
ATT	Army training test
CAA	Concepts Analysis Agency
CAA-FUR	Concepts Analysis Agency-Personnel Utilization Report
CACDA	Combined Arms Combat Developments Activity
CDC	Combat Developments Command
CDEC	Combat Developments Experimentation Command
CDMIS	Combat Developments Management Information System
C-E	Communications-Electronics
CHAMPUS	Civilian Health and Medical Program of the Uniformed Service:
CICIUSA	Continental United States Army
COPO	Chief, Office of Personnel Operations
DAMPL	Department of the Army Master Priority List
DCSCD	Beputy Chief of Staff for Combat Developments
DCSCOMPT	Deputy Chief of Staff Comptroller
DCSOPS	Deputy Chief of Staff Operations
DCSPER	Deputy Chief of Staff Personnel
DCSRM	Deputy Chief of Statf Resource Management

24

DESROTE Deputy Chief of Staff for ROTC DCSTS Deputy Chief of Staff Training and Schools DPDEDA Director of Medical Activities DSARC Defense Systems Acquisition Review Council FDTE force development testing and evaluation FLD OF AGCY field operating agoncy PORSCOM Forces Command FITP Five Year Test Program COCOM general officer command HSC Health Services Command IDT inactive duty training IPR in process review LOCC Logistics Center MACON major Army command MASSTER Modern Army Selected Systems Test, Evaluation and Review MCCU medical care composite unit MEDCEN medical center MEDDAC medical department activity MILPERCEN Military Personnel Center MPA Military Personnel, Army NET new equipment training NCEM not operationally ready maintenance NORS not operationally ready supply OJT on-the-job training 021 Operation and Maintenance Army OMAK Operation and Maintenance Army Reserve CHAREG **Operation and Maintenance Army National Guard** ORTT operational readineas training test OR operationally ready OST One-station training OT operational testing OTEA Operational Test and Evaluation Agency PACDA Personnel and Administration Combat Developments Activity readiness condition BEDUON RC. Reserve Components

1

ň.,

RDA regional destal activity DOTE Research, Development, Test and Evaluation REF-63 Reserve Enlistment Program of 1963 RC readiness group ROC required operational impubility SCORES Scenario Oriented Recurring Evaluation System STAG United States Army Strategy and Tactics Analysis Group STEADFAST Study effort leading to the reorganization of COMARC, CORUSA, CDC, and USAREC and the establishment of FORSCOM and TRADOC STF SPT staff support **TAMA** Training Aids Management Agency TASO Training Aids Service Office TECOM Test and Evaluation Command THM technical man month TRADOC Training and Loctrine Command USACC United States Army Communications Command USAREC United States Army Recruiting Command

तुः ।