



DEPARTMENT OF THE ARMY
U.S. ARMY AUDIT AGENCY
Office of the Deputy Auditor General
Installations Management
3101 Park Center Drive
Alexandria, VA 22302-1596

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SAAG-IMT

30 June 2004

MEMORANDUM FOR

Commanding General, U.S. Army Tank-automotive and Armaments
Command (AMSTA-CS-CG), Warren, Michigan 48397-5000
Commander, U.S. Army Garrison-Michigan (AMSTA-CS-CS), Warren,
Michigan 48397-5000

SUBJECT: Validation of Data for Base Realignment and Closure 2005,
Detroit Arsenal (Project Code A-2003-IMT-0440.007), Audit Report:
A-2004-0386-IMT

1. **Introduction.** The Director, The Army Basing Study Group asked us to validate data that the Study Group and six Joint Cross-Service Groups will use for Base Realignment and Closure (BRAC) 2005 analyses. This memorandum summarizes the results of our validation efforts at the Detroit Arsenal. We will include these results in summary reports to the director and each applicable Joint Cross-Service Group, and in our overall report on the 2005 Army basing study process.

2. **Background.** The Secretary of Defense initiated BRAC 2005 on 15 November 2002. The Secretary of the Army established the Deputy Assistant Secretary of the Army (Infrastructure Analysis) to lead the Army's efforts to support BRAC 2005. The Deputy Assistant Secretary directs The Army Basing Study Group, an ad hoc, chartered organization that serves as the Army's single point of contact for planning and executing the Army's responsibilities in the development of BRAC 2005 recommendations. The Study Group will gather and analyze certified data to assess the capacity and military value of Army installations, evaluate base realignment and closure alternatives, and develop recommendations for BRAC 2005 on behalf of The Secretary of the Army. The BRAC 2005 process requires certification of all data from Army installations, industrial base sites and leased properties; Army corporate databases; and open sources. A flowchart of the 2005 Army basing study process is in the enclosure.

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3. Objectives, Scope and Methodology

a. Our objectives were to determine if:

- Certified data provided to The Army Basing Study Group and Joint Cross-Service Groups was adequately supported with appropriate evidentiary matter.
- Certified data was accurate.
- BRAC 2005 management controls were in place and operating at installations.

b. The Detroit Arsenal data elements for the installation capacity data call included 148 questions the installation answered, plus 2 questions pre-populated from a corporate database. To answer our first two objectives, we reviewed data elements judgmentally selected for validation at all installations visited, data elements randomly selected from the Arsenal's responses, and all 400 data elements the Arsenal answered as "not applicable" to ensure that those answers were appropriate. Here's a summary of what we reviewed:

	Population	Objective Sample	
		1-Adequate Support	2-Accuracy
Answered	148	48	48
Pre-Populated	2	2	2
Not Applicable*	400		
Total	550	50	50

* 100-percent review to determine that "not applicable" was appropriate response.

To answer the third objective, we evaluated BRAC 2005 controls related to installations.

c. We conducted our review from April through May 2004 in accordance with generally accepted government auditing standards, which

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include criteria on the adequacy and appropriateness of evidentiary matter, accuracy and management controls. We assessed the accuracy of installation answers using these specific criteria:

- For questions with a single answer and minimal support requirements, we didn't allow any margin for error except for answers reporting square footage.
- For questions with answers reporting square footage, we defined significant errors as greater than 10 percent.
- For questions with multiple answers and single answers with voluminous supporting documentation, we allowed errors up to 25 percent in the samples we reviewed, provided the errors were not significant (determined by auditor judgment except for answers reporting square footage).

We didn't rely on computer-generated data to validate responses from Army corporate databases when original source documentation or physical attributes were available. When practicable, we also validated installation responses from other databases in the same manner. For all other responses, we worked with the installation administrator to obtain the evidence needed to answer all three objectives.

4. Results

a. **Adequacy of Support.** Answers for 22 of the 50 questions we reviewed weren't adequately supported with appropriate evidentiary matter. This occurred because points of contact didn't retain all documentation used to develop their response, oral information obtained from sources outside the Arsenal wasn't documented, engineering drawings used to support answers weren't current or accurate, and the basis for formulas and percentages used to calculate answers wasn't documented. During our review we worked with the points of contact to obtain documentation to support answers for the 22 questions.

b. **Accuracy of Answers.** As discussed in paragraph 4a, answers for 22 of the 50 questions didn't have adequate supporting documentation. Subsequent work by the points of contact and the auditors showed

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that answers for 4 of the 22 questions were accurate, but 18 weren't. Of the remaining 28 questions we reviewed, answers for 8 questions weren't accurate. These errors occurred because points of contact extracted incorrect data from supporting documentation, made clerical errors, or provided answers that weren't directly related to the question. We also concluded that all 400 of the data elements the Detroit Arsenal answered "not applicable" appeared to be answered appropriately.

c. **Management Controls.** In our opinion, appropriate management controls for BRAC 2005 were in place and operating at Detroit Arsenal. The senior mission commander had certified the information submitted to The Army Basing Study Group. All personnel required to sign non-disclosure statements had done so. Also, we found no instances when personnel used nongovernment e-mail to convey BRAC data or information.

d. **Action Taken.** We notified the Detroit Arsenal's installation administrator of all problems we identified during the validation. For answers that weren't accurate, Arsenal personnel made corrections and resubmitted the corrected data to The Army Basing Study Group, which in turn will provide the corrected and recertified data to the Joint Cross-Service Groups as necessary. We also found that answers for 15 questions may not have been consistent with responses from other installations based on how the installation responded. We will evaluate how these questions were answered among other installations to assess overall consistency and recommend corrective actions, if necessary, in summary reports addressed to The Director, The Army Basing Study Group.

5. **Contacts.** This report isn't subject to the official command-reply process described in AR 36-2 because the Detroit Arsenal resolved the issues we identified during the validation and took or initiated corrective action. If you have any questions or need additional information, please

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contact James Johnson at DSN 786-6815 or Rodney Rocha at DSN 367-
0520. Their e-mail addresses are James.Johnson@aaa.army.mil and
Rodney.Rocha@aaa.army.mil.

FOR THE AUDITOR GENERAL:



DAVID H. BRANHAM
Program Director
Installation Studies

Encl

CF:
Director, The Army Basing Study Office
Director, U.S. Army Installation Management Agency, Northwest
Region

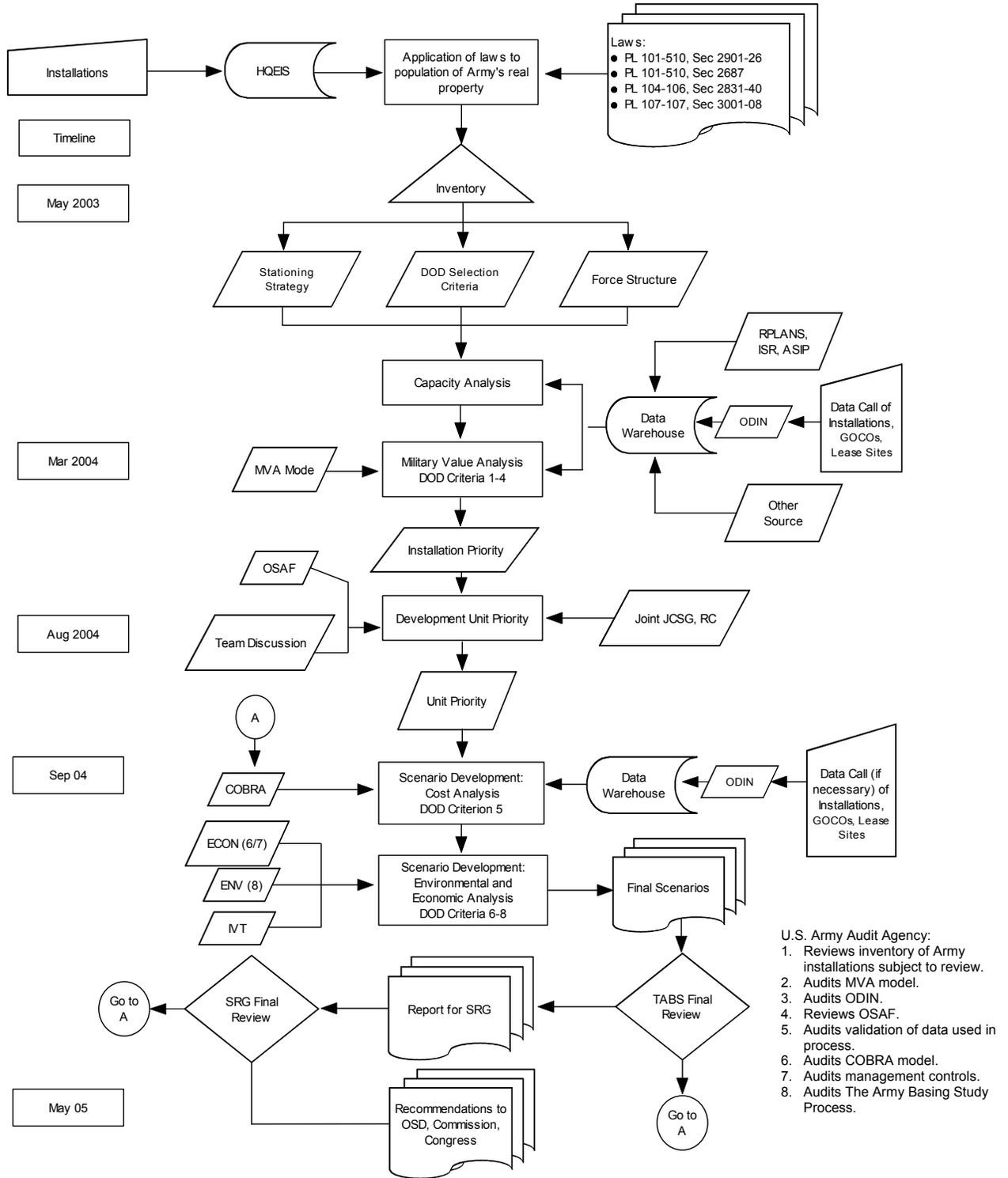
Acronyms and Abbreviations Used:

ASIP = Army Stationing and Installation Plan
 COBRA = Cost of Base Realignment Action Model
 ECON = Economic Model
 ENV = Environmental Model
 GOCO = Government-Owned, Contractor-Operated
 HQEIS = Headquarters Executive Information System

ISR = Installation Status Report
 IVT = Installation Visualization Tool
 JCSG = Joint Cross-Service Group
 MVA = Military Value Analyzer Model
 ODIN = Online Data Interface Collection
 OSAF = Optimal Stationing of Army Forces

OSD = Office of the Secretary of Defense
 PL = Public Law
 RC = Reserve Components
 RPLANS = Real Property Planning and Analysis System
 SRG = Senior Review Group

FLOWCHART OF 2005 ARMY BASING STUDY PROCESS



Enclosure