Contract No. F33657-92-D-2055/Delivery Order No. 0081
CDRL A009, Data Item DI-MGMT-80057
Report No. SID/MA-94/0042

(Unclassified)

Task Assignment Plan

for

Development of LG Databases and Expansion of SEMR

Prepared for

HQ USAF/LGSI
1030 Air Force Pentagon
Washington, DC 20330-1030
Attn: Maj Randy Moller

30 October 1994

Prepared by

Synergy, Inc.
1763 Columbia Road, NW
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Submitted by

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<th>1. AGENCY USE ONLY (Leave blank)</th>
<th>2. REPORT DATE</th>
<th>3. REPORT TYPE AND DATES COVERED</th>
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<td>30 October 1994</td>
<td>Task Assignment Plan</td>
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4. TITLE AND SUBTITLE

Task Assignment Plan for Development of LG Databases and Expansion of SEMR

5. FUNDING NUMBERS

Contract No. F33657-92-D-2055
Delivery Order No. 0081

6. AUTHOR(S)

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8. PERFORMING ORGANIZATION REPORT NUMBER

SID12189

9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)

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1030 Air Force Pentagon
Washington, DC 20330-1030

10. SPONSORING/MONITORING AGENCY REPORT NUMBER

SID/MR-94/0042

11. SUPPLEMENTARY NOTES


12a. DISTRIBUTION/AVAILABILITY STATEMENT

Approved for Public Release; Distribution is Unlimited.

12b. DISTRIBUTION CODE


13. ABSTRACT (Maximum 200 words)

This Task Assignment Plan will explain how Synergy, Inc. will fulfill the HQ USAF/LGSI and LGMY requirement for logistics studies and analysis support to develop and maintain a suite of Logistics Analytical Databases (LOGADs). This database will be used to assess current and expected peacetime readiness and wartime sustainability based on past, current, and projected logistics metrics. Additionally, Synergy will fulfill the requirement for the expansion of the SEMR program to include all of the Air Force’s major weapon systems.

14. SUBJECT TERMS

Logistical Analytical Databases (LOGADs), Sustainment Executive Management Report (SEMR)

15. NUMBER OF PAGES

4

16. PRICE CODE


17. SECURITY CLASSIFICATION OF REPORT

Unclassified

18. SECURITY CLASSIFICATION OF THIS PAGE

Unclassified

19. SECURITY CLASSIFICATION OF ABSTRACT

Unclassified

20. LIMITATION OF ABSTRACT

NSN 7540-01-260-5500

Standard Form 298 (Rev 2-89)
Prepared by ANSI Std. 230-18
295-102
09 November 1994

Maj Randy Moller
HQ USAF/LGSI
1030 Air Force Pentagon
Washington, DC 20330-1030

Dear Maj Moller:

Contract F33657-92-D-2055
SIDAC Task No. 96
Delivery Order No. 0081
CDRL A009, Data Item MGMT-80057

Enclosed is the Task Assignment Plan for Development of LG Databases and Expansion of SEMR, as required under the above-referenced contract.

If you have questions, please contact me at 202-232-6261.

Sincerely,

[Signature]

James A. Lutz
Task Leader

c: DCMAO (Mr. Leon Sulton) Letter Only
SIDAC (Mr. Heston Hicks)
Contract No. F33657-92-D-2055
SIDAC Task Number 96, Delivery Order No. 0081
CDRL A009, Data Item DI-MGMT-80057

(Unclassified)

TASK ASSIGNMENT PLAN
on
DEVELOPMENT OF LG DATABASES AND EXPANSION OF SEMR

Prepared for

HQ USAF/LGSI
1030 Air Force Pentagon
Washington, DC  20330-1030
Attn:  Maj Randy Moller

30 October 1994

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TASK ASSIGNMENT PLAN
on
DEVELOPMENT OF LG DATABASES AND EXPANSION OF SEMR

Introduction

Synergy will fulfill the HQ USAF/LGSI and LGMY requirement for logistics studies and analysis support to develop and maintain a suite of Logistics Analytical Databases (LOGADs). This database will be used to assess current and expected peacetime readiness and wartime sustainability based on past, current, and projected logistics metrics. Additionally, Synergy will fulfill the requirement for the expansion of the SEMR program to include all of the Air Force's major weapon systems.

Goals and Objectives

Synergy shall research, design, test, verify, validate, implement, and maintain a suite of Logistics Analytical Databases (LOGADs) for use by the HQ USAF/LGSI and LGMY staffs. The LOGADs will be divided into unclassified and classified databases.

Synergy shall also research, design, develop, verify, validate, and document the inclusion of ICBMs in the SEMR program.

Technical Approach
USAF/LG Database

Synergy will accomplish this tasks by researching, designing, developing, testing, implementing, and maintaining a database for the HQ USAF/LGSI and LGMY staffs. Synergy will provide a Critical Design Review (CDR), users manual, and technical report.

Expansion of SEMR

Synergy will accomplish this task by researching, designing, developing, testing, validating, and implementing data to support the expansion of SEMR to incorporate ICBMs. Synergy will incorporate the indicators and subindicators established by the ICBM community to assess the health of the weapon system. Also, Synergy will build interfaces with the databases necessary to populate SEMR to assess the weapon system. Synergy will design the ICBM SEMR, like the aircraft SEMR, with the ability to manipulate data, create graph charts, and generate numerous reports.

Project Schedule and Milestones

The Work Breakdown Structure (WBS) in Figure 1 represents Synergy's proposed time line for accomplishing the tasks associated with the Statement of Work. Synergy will apply the most experienced personnel on this project and will produce the best products possible within the time and funds allocated by the government. The Synergy program manager will
prioritize the efforts for the tasks to make the most efficient and effective use of available resources.
Deliverables

The following deliverables will be submitted for the efforts performed under this task:

1. Final technical report on the task (CDRL A001) to describe the efforts and results that went into the accomplishment of the task.

2. Monthly progress and status reports submitted every thirty (30) days throughout the duration of the contract (CDRL A004). These reports will keep the SIDAC contracting officer’s technical representative (COTR) informed of the progress of the task on a monthly basis.

3. Software Users Manual (CDRL A006) to instruct users on proper software use.

4. The software (CDRL A007) necessary to complete the task.

5. Presentation Material (CDRL A007). The final briefing on the task results.


Project Staffing and Experience

This project will be staffed with extremely qualified personnel. The education, capabilities, and experience of key personnel are summarized here.

Mr. James A. Lutz, Program Manager, Ph.D. program in Mathematics/graduate studies in operations research and statistics. He has more than 20 years of experience in logistics management, capability assessment, program and budget analysis, and operations analysis. As a member of Synergy’s Operations Management Committee, he directs the performance of work on all Synergy contracts. He specializes in the development and application of quantitative models for analysis of policies in logistics management, budgeting, capability assessment, and R&M.

Mr. Raymond L. Reed, Senior Logistics Management Specialist, M.S. Organic Chemistry. Mr. Reed has more than 20 years of experience in Air Force logistics. His areas of expertise include logistics management, tactical systems analysis, and acquisition management. He serves as project manager for development and implementation of new parametric/interactive models, designed to perform logistics resource assessments of the U.S. Air Force’s air mobility and air combat weapon systems. He will serve as project manager for the tasking described in this document.

Mr. William E. Faragher, Senior Scientist, M.A. Mathematics. Mr. Faragher has more than 35 years of experience in operations research and logistics analysis. He is responsible for the software development for a suite of logistics assessment models designed for estimating the
impact of budget decisions on aircraft readiness and sustainability. He directed the development of a database management system that imports data from a variety of automated sources and generates a set of output files for use in Synergy-developed logistics assessment models.

Mr. Glenn L. Archer, Junior Logistics Management Specialist, B.A. Economics. Mr. Archer supervises all O&M assessments for the Air Force and Army. He is responsible for completing the development of the Engine Logistics Assessment Model, which provides the Air Force with projections concerning the health of their engines inventory. He is responsible for designing, testing, and delivering this model to HQ USAF/LGSI and SA-ALC/LPF.

Point of Contact

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