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The USL/DBMS NASA/RECON Working Paper Series contains a collection of reports representing results of activities being conducted by the Computer Science Department of the University of Southwestern Louisiana pursuant to the specifications of National Aeronautics and Space Administration Contract Number NASW-3846. The work on this contract is being performed jointly by the University of Southwestern Louisiana and Southern University.

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OVERVIEW OF THE NASA/RECON

EDUCATIONAL, RESEARCH, AND DEVELOPMENT ACTIVITIES

OF THE

COMPUTER SCIENCE DEPARTMENTS OF THE

UNIVERSITY OF SOUTHWESTERN LOUISIANA AND SOUTHERN UNIVERSITY

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Revised: February 29, 1984

This document presents a brief overview of the scope of activities being undertaken by the Computer Science Departments of the University of Southwestern Louisiana (USL), Lafayette, Louisiana and Southern University (SU), Baton Rouge, Louisiana pursuant to a contract with the National Aeronautics and Space Administration (NASA). This document will present only basic identification data concerning the contract activities since subsequent entries within this Working Paper Series will be oriented specifically toward a detailed development and presentation of plans, methodologies, and results of each contract activity.

This document also includes a table of contents of the entire USL/DBMS NASA/RECON Working Paper Series.

OVERVIEW OF SCOPE OF CONTRACT

CONTRACT TITLE

    NASA RECON: Course Development, Administration, and Evaluation

FUNDING AGENCY

    National Aeronautics and Space Administration (NASA)

CONTRACTORS

    University of Southwestern Louisiana (USL), Lafayette, Louisiana. USL Principal Investigator: Wayne D. Dominick

    Southern University (SU), Baton Rouge, Louisiana. SU Principal Investigator: Leroy Roquemore

CONTRACT NUMBER

    NASW-3846

CONTRACT AWARD DATE

    December 8, 1983

EDUCATIONAL PROGRAM ORIENTATION

Very Large Scale Interactive IS&R Systems

Multiple Systems Orientation

Multiple Data Base Orientation

University Level Orientation

Scientific and Engineering Disciplines

Non-Computer Professional Audience

Extensive Hands-on Interactive System Usage

Fully Transportable Course Materials

EDUCATIONAL PROGRAM DEVELOPMENT, PILOT ADMINISTRATION, AND EVALUATION PHASES

Needs Analysis Phase

Course Development Phase

Pilot Course Administration Phase

Evaluation Phase

FOLLOW-ON PHASES

      Develop "Marketing" Plan

      Implement "Marketing" Plan

      Conduct Regional Seminars

      Conduct On-Site Seminars

      Coordinate Request Processing / Dissemination

      Perform Course State-of-the-Art Enhancements

      Perform Institutional Surveys / Evaluations

      Perform Graduated Student Surveys / Evaluations

      Perform Additional System-Oriented and Data Base-Oriented Enhancements

      Perform Periodic Statistical Summary Reporting

USL/DBMS NASA/RECON WORKING PAPER SERIES INDEX

Following is a table of contents of the USL/DBMS NASA/RECON Working Paper Series. Documents that are completed and are available for dissemination are listed in the first part of the table of contents. The second part of the table of contents represents an identification of the documents that are currently in progress. As these are completed, they will be incorporated into the Working Paper Series and hence will be available for dissemination.

DOCUMENT   NUMBER   DOCUMENT AUTHOR(S) / TITLE / DATE / PAGINATION

DBMS.NASA/RECON-1   Dominick,   Wayne   D.,   "Overview   of   the
                     NASA/RECON   Educational,   Research,   and
                     Development Activities of the Computer Science
                     Departments of the University of   Southwestern
                     Louisiana   and   Southern   University," Revised
                     February 29, 1984, 9p.

DBMS.NASA/RECON-2   Dominick, Wayne D. and Roquemore, Leroy, "NASA
                     RECON: Course   Development,   Administration,
                     and Evaluation," January 16, 1984, 65p.

DBMS.NASA/RECON-3   Dominick,   Wayne   D.   and   Roquemore,   Leroy,
                     "Transportable,   University-Level   Educational
                     Programs   in   Interactive   Information   Storage
                     and Retrieval Systems," January 27, 1984, 16p.

USL/DBMS NASA/RECON FUTURE WORKING PAPER SERIES INDEX

DOCUMENT   NUMBER   DOCUMENT AUTHOR(S) / TENTATIVE TITLE
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DBMS.NASA/RECON-4   Granier, Martin, "The Man/Machine Interface in
                     Information Retrieval: Providing Access to the
                     Casual User."

DBMS.NASA/RECON-5   Kavi, Srinu, "Knowledge Based Systems: A
                     Preliminary Survey of Selected Issues and
                     Techniques."

DBMS.NASA/RECON-6   Liu, I-Hsiung, "Concepts and Implementations
                     of Natural Language Query Systems."

DBMS.NASA/RECON-7   Yu, Wei-Chung, "Selected Database Security
                     Technologies for Database Systems."

DBMS.NASA/RECON-8   Granier, Martin, "Critical Comparative
                     Analysis of the Major Commercial IS&R
                     Systems."

DBMS.NASA/RECON-9 Kavi, Srinu, "Knowledge Based Systems: A
Critical Survey of the Major Issues and
Techniques."

4.2

1. Report No. /N	2. Government Accession No. *183547*	3. Recipient's Catalog No.
4. Title and Subtitle USL/NGT-19-010-900: OVERVIEW OF THE NASA/RECON EDUCATIONAL, RESEARCH, AND DEVELOPMENT ACTIVITIES OF THE COMPUTER SCIENCE DEPARTMENTS OF THE UNIVERSITY OF SOUTHWESTERN LOUISIANA AND SOUTHERN UNIVERSITY		5. Report Date May 31, 1984
		6. Performing Organization Code
7. Author(s) WAYNE D. DOMINICK		8. Performing Organization Report No.
		10. Work Unit No.
9. Performing Organization Name and Address University of Southwestern Louisiana The Center for Advanced Computer Studies P.O. Box 44330 Lafayette, LA 70504-4330		11. Contract or Grant No. NGT-19-010-900
		13. Type of Report and Period Covered FINAL; 07/01/85 - 12/31/87
12. Sponsoring Agency Name and Address		14. Sponsoring Agency Code

15. Supplementary Notes

16. Abstract

An introduction to the USL/DBMS NASA/RECON Working Paper Series which has been established to provide a foundation for a formal information dissemination mechanism concerning activities being performed pursuant to the NASA/RECON contract. This entry also serves as an index into the collection of Working Paper Series reports.

This report represents one of the 72 attachment reports to the University of Southwestern Louisiana's Final Report on NASA Grant NGT-19-010-900. Accordingly, appropriate care should be taken in using this report out of the context of the full Final Report.

17. Key Words (Suggested by Author(s)) NASA/RECON Educational Program, Information Storage and Retrieval Systems	18. Distribution Statement

19. Security Classif. (of this report) Unclassified	20. Security Classif. (of this page) Unclassified	21. No. of Pages 9	22. Price*