

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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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.

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| DOCUMENT NUMBER | DOCUMENT AUTHOR(S) / TENTATIVE TITLE |
|-------------------|---|
| 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."

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