

## Multics Task Report

MTR-102

To: Distribution  
From: O. D. Friesen  
Date: September 10, 1975  
Subject: Multics Data Base Manager Task Report

The Multics Data Base Manager Project has adopted a structured programming approach to the design, documentation and implementation of the project. This approach has led to a gradual development of the task list for the project, rather than the preparation of a complete task list at project initiation time. This report covers the initial phase of the project and carries it through to the end of 1975.

When the decision was made to use structured programming techniques, the intention was to utilize the documentation technique developed for the VMM Project. In applying this technique, a number of methodological questions were raised by project members concerning such things as definitions of data types, rigor of proofs and the advantages of n-notation as opposed to direct use of PL/I within the design process. The necessity for the rigidity and extreme atomization inherent in the mechanics of the documentation technique was also challenged.

After considerable deliberation it was decided in mid-August to enforce the spirit (rather than the letter) of the documentation method. Since that time, the pace of development has increased noticeably.

One remaining problem area is the time required to enter the documentation into the Multics System. The project is currently on schedule.

Personnel currently assigned to the project are James A. Weeldreyer (JAW), Roger D. Lackey (RDL), Richard G. Luebke (RGL) and Oris D. Friesen (ODF).

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PROJECT Multics Data Base Manager AREA Project Initiation

TASK DESCRIPTION	PERSONNEL	SIARI	FINISH	M-W	CHANGES-SIARIUS
DBM External Interface MTB	ODF JAW	04/01/75	06/01/75	18	Ready for publication
DBM Security MTB	JAW	04/01/75	06/01/75	4	Ready for Publication
Transaction Journalization MTB	JAW	03/01/75	05/01/75	4	In limbo, awaiting new backup info
IDS-II Schema Translator MTR	ODF	02/01/75	04/15/75	4	ready for publication
Rework Documentation Tools	RGL	02/01/75	07/01/75	4	Complete
Assemble Mission Description for Internal Interface	ODF RGL	06/01/75	06/15/75	2	Complete
Hold Kickoff Review for Internal Interface	ALL	06/19/75	06/19/75	1	Complete
Train Program Librarian	ALL	08/01/75	09/30/75	2	In progress
Assemble MIDS Mission Description	ODF	06/23/75	07/07/75	1	Complete
Hold MIDS Kickoff Review	ALL	07/21/75	07/21/75	1	Complete
Develop Auxiliary Documentation Tools	RGL	08/04/75	09/08/75	2	Complete
Distribute Updated MIDS Mission Description	ODF	08/08/75	08/22/75	1	Complete

PROJECT Multics Data Base Manager AREA System Design

TASK DESCRIPTION	PERSONNEL	START	FINISH	CHANGES-STATUS
Design Level 1 Data Sublanguage Subsystem	JAW	06/20/75	08/15/75	Complete
Design Level 1 Data Model Subsystem	PGL	06/20/75	09/01/75	Complete
Design Level 1 Data Submodel	PDL	06/20/75	09/01/75	Complete
Hold Level 1 Design Verification	ALL	09/03/75	09/04/75	Complete
Design Level 1 MIDS Data Manipulation Language	JAW	08/15/75	09/19/75	
Design Level 1 MIDS Schema	ODF	08/01/75	09/01/75	Complete
Design Level 1 MIDS Sub-schema	ODF	08/08/75	09/01/75	Complete
Hold Level 1 MIDS Design Verification	ALL	09/17/75	09/17/75	
Design Lower Level Modules	PGL PGL JAW	09/01/75	10/20/75	
Design Lower Level MIDS Modules	JAW ODF	09/01/75	10/01/75	
Hold Design Review of Entire System	ALL	11/01/75	11/01/75	

PROJECT \_\_\_\_\_ Multics Data Base Manager \_\_\_\_\_ AREA \_\_\_\_\_ Implementation and Test \_\_\_\_\_

TASK DESCRIPTION	PERSONNEL	START	FINISH	WEEK	CHANGES
Data Sublanguage Implementation	JAY PGL PDL QDF	10/15/75	12/15/75	14	
Data Model Implementation	PGL QDF	10/15/75	12/15/75	13	
Data Submodel Implementation	PDL QDF	10/15/75	12/15/75	13	
MIDS Schema Implementation	QDF RDL	10/15/75	12/15/75	13	
MIDS Sub-schema Implementation	QDF RGL	10/15/75	12/15/75	12	
MIDS Data Manipulation Language Implementation	JAY QDF PDL RGL	10/15/75	12/15/75	14	
Prepare Test Specifications	ALL	11/01/75	12/15/75		
Test	ALL	12/01/75	12/31/75		