

To: MTR Distribution
From: Multics Library Tools Interim Subgroup
Subject: Status of Library Tool Development
Date: July 23, 1975

SIGNIFICANT EVENTS

An ad hoc mini-group has been formed to provide a forum for the individuals involved with the development of the new library tools. The group is called the Multics Library Tools Interim Subgroup (MLTIS). Members are: Grace Ackerman-Lewis, Gary Dixon, David Jordan, Peter Kelley, and Roger Roach. The committee will terminate its activities in October, 1975 with the installation of the new library tools. At this time, maintenance of the new tools will be taken over by the Multics Systems Assurance Subgroup.

The first draft of the Library Maintenance PLM (AN80) was zeroxed and distributed to interested individuals at the end of June. The draft contains command descriptions for most of the library descriptor commands (library_descriptor, library_info, library_map, library_print). This is a significant milestone in the development of this PLM.

Work on the major prose sections of the Library Maintenance PLM has been deferred until support can be obtained from Honeywell for this massive writing effort. Since the PLMs are not of direct benefit to MIT, Honeywell has agreed that they should support our efforts in this area.

STATUS

Grace has been swamped with hardcore installation work and crash analysis and has not had a chance to complete the library_descriptor command. She plans to finish the command after the MR3.0 rush has ended, or at least by mid-September. She concluded that, even if the installation rush has not decreased, work on library_descriptor must begin by September 2. This command is the bottleneck which is delaying the installation of the other tools.

Gary has completed the command descriptions for the library descriptor commands, and is now working on documentation for the

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Library Tools

library_descriptor_compiler. His documentation and coding efforts on the library tools should be complete in mid-August. As discussed above, Gary's work on the remaining PLM sections has been postponed indefinitely.

Peter has not worked on library_cleanup in several months, having spent his time working on the Library Maintenance PLM, on the online installation crush, and revising installation exec_coms to simplify the installation process. With online installations under control and work on the PLM postponed, he plans to finish library_cleanup by the end of August.

COMING EVENTS

DATE	EVENT
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mid-August	Gary completes library descriptor commands
end-August	Peter completes library_cleanup
mid-September	Grace completes library_descriptor
October	library tools installed (finally)

PROJECT Library Maintenance Tools AREA Library descriptor tools

TASK DESCRIPTION	PERSONNEL	SIARI	FINISH	P-W	CHANGES-STATUS
reduction_compiler: finish PLM documentation	Dixon	07/14/75	07/18/75	1	A task I forgot about
primitives: get and output ACLs, initial ACLs, access class	Dixon	12/15/73	12/30/73	1.0	DONE
primitives: get and output miscellaneous status information	Dixon	05/16/75	05/23/75	.4	
not returned by hcs \$status_long		06/23/75	06/27/75	.4	
library_fetch (lf): meet MCR Board's requirements	Dixon	04/30/75	05/09/75	.4	A New Task
		06/23/75	06/27/75	.4	
library_info (li): add control arguments for new information;	Dixon	05/23/75	05/27/75	.1	
meet MCR Board's requirements		06/23/75	06/27/75	.1	
library_map (lm): add control arguments for new information;	Dixon	05/23/75	05/27/75	.1	
meet MCR Board's requirements		06/23/75	06/27/75	.1	
library_print (lpr): add control arguments for new information;	Dixon	05/23/75	05/27/75	.1	
meet MCR Board's requirements		06/23/75	06/27/75	.1	
library_descriptor (lds): code command	Ackerman-- Lewis	11/04/74	12/20/74	1	1 PM work remains
		11/04/74	06/30/75	5	
library_cleanup (lcn): clean up the code; use library descriptor	Kelley	11/04/74	12/30/74	1.5	1 PM work remains;
library_object_cref (loc): rewrite cross_reference to use library descriptor		11/04/74		3	unable to estimate real time required
library_include_cref (lic): rewrite icref to use library descriptor & source maps in standard obj segs				2.5	
library_check (lck): write program to check on consistency of libraries	Ackerman-- Lewis			3	

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TASK DESCRIPTION	PERSONNEL	START	FINISH	P-H	CHANGES-SIAIUS
! Im/lpr: gather and output	!	!	!	!	!
! statistics on Library segments	!	!	!	!	!
!	!	!	!	!	!