

XEROX
INFORMATION PRODUCTS GROUP
System Development Division
October 18, 1977

To: W. Shultz
From: W. C. Lynch
Location: Palo Alto
Subject: Pilot Status Report for October 77
Keywords: Pilot, Mesa, Status
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Archive document #: To be assigned by Ode Binkley

Staffing and Equipment

The staffing and equipment status has not changed in the last month.

Pilot

The first production release of Pilot (2.0) is now scheduled for 2Q78, a date which is compatible with the current D0 delivery schedule.

Pilot Work Plan - D13

The *Preliminary Pilot Development Work Plan* (<Lynch>PilotWp.memo) has been updated to reflect the new SD organization and has been revised to take into account our now crisper understanding of the tasks to be accomplished. As the *Pilot Design Work Plan* it will soon be submitted for approval so that it may be used for planning purposes. Continual updating and improvement of this document is anticipated. The symbols on the subtitles refer to tasks planned in that document.

Pilot Functional Spec - D2

Feedback is being collected from the *Pilot Functional Specification*. Version 2.0 (draft status) that was distributed on September 14, 1977. Two *CrossTalk* presentations were made in each of Palo Alto and El Segundo on the material contained in the document. A formal feedback session is scheduled for October 19, 1977, as is a session to discuss the application of Pilot to the Janus design.

Pilot Design Spec - D3

The primary activity has been on the *Pilot Design Specifications*. Dave Redell is acting as editor. McJones and Gifford have continued the detailed design of data structures and algorithms for the memory management and files facilities.

Alto/Pilot Test Spec - D18

The Alto/Pilot Test Spec has not been completed due to the fact that the Alto/Pilot Functional Spec is not complete. See below.

Alto/Pilot Functional Spec - D16

The Alto/Pilot Functional Spec is in a draft state and work is suspended pending completion of negotiations with PS concerning the subset of Pilot to be delivered. These negotiations should be complete within 1-2 weeks and the Alto/Pilot functional Spec should be complete by the end of October.

Hugh Lauer is continuing to work on the design of ByteStreams and Filters as this seems to be the weakest area of the Functional Specs.

Alto/Pilot Release - D19

Tom Horsley has been given the assignment of constructing and releasing the Pilot systems (including Alto/Pilot 1.0). These releases will be consonant with the procedures and charter of John Weaver's recently created support group. Fault reporting will be via the procedures established by this group. All indications are that the Alto/Pilot release will occur on schedule.

Pilot Testing - D11, D6

Toni Shetler from Ed Miller's group has offered to aid in the construction of the Pilot Test Plan and Pilot Test Spec. She is hard at work on the first of these and the help is much appreciated.

Alto Process Structure - P7

Dave Redell, Butler Lampson, and Roy Levin have worked out a way of including a good combination of Alto microcode and Nova code into Roy's new implementation of the Alto/Mesa microcode so as to support the Mesa based (Appendix A) new process structure. Prospects now seem good that Mesa 4.0 will be able to support a fast implementation of the Pilot process mechanism on both the Alto and the D0.

D0 Acceptance Testing - P21

Tom Horsley has been assigned to the D0 acceptance effort as his primary activity. This should allow Pitts Jarvis to give more attention to the issues involved in the IOCS.

Assignments

Gifford: Design and implementation of the memory management and file system. Only 1/4 time now.

Horsley: Work on the D0 acceptance tests. Work on *Pilot design Specifications*. Prepare for the release of Alto/Pilot in December.

Lauer: Work out the design of ByteStreams and Filters. Edit the *Pilot Functional Specifications*. Edit the *Pilot Concepts and Facilities*. Edit the *OIS Mesa Functional Specifications*.

Lynch: Work Plans, D0 conversion plans, *Pilot Functional Specifications*. *Alto/Pilot Test Specifications*.

McJones: Help prepare the *Pilot Design Specifications*. Help implement the file facilities.

Purcell: Expected to join the group in January 1978 when his current project is completed.

Redell: Prepare process structure material for the *Pilot Functional Specifications*. Take responsibility for the design of the file facilities. Edit the *Pilot Design Specifications*. Aid in the design of the process structure implementation for new Alto/Mesa microcode.

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