XEROX

To: W. Shultz

From: W. C. Lynch

Location: Palo Alto

Subject: Pilot Status Report for December 77

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Staffing and Equipment

A significant activity during November was the attendance at the SigOps meeting of several members of the group. Among other benefits, a number of possible candidates for employment were identified.

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

Pilot

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

Pilot Work Plan - D13

The *Pilot Design Work Plan* (<Lynch>PilotWp.memo) (approval still pending) is being used for planning purposes. The symbols on the subtitles refer to tasks planned in that document.

Pilot Design Spec - D3

The primary activity has been on the *Pilot Design Specifications*. Dave Redell is acting as editor. Due to the revised work plan of the Mesa group calling for early implementation of the process structure in Mesa and requiring participation from Dave, more of the responsibility for the design spec is being shifted to Paul McJones.

McJones and Gifford are continuing the detailed design of data structures and algorithms for the memory management and files facilities.

We had been shooting for a first draft by the second week of December. Due to the press for early implementation of the process structure in Mesa, the late and unanticipated emergence of some bugs during the testing phase of Alto/Pilot, and the timing and extent of the Pilot group participation in the year-end technical presentation, we now expect the first

draft of the design spec to appear around the end of December.

Pilot Functional Spec - D2

Feedback is still being collected from the *Pilot Functional Specification.* Version 2.0 (draft status) was distributed on September 14, 1977.

The work on Bytestreams is essentially complete and ready to be incorporated into the specs. The same is true for the channel and device interfaces. A great deal of progress has been made on the time of day facilities and on the microcode loading facilities. Small softspots remain with the volume facility and the MDS control.

Alto/Pilot Functional Spec - D16

No requirements for change to the Alto/Pilot Functional Spec have emerged and Alto/Pilot conforms to the Spec.

Alto/Pilot Release - D19

Alto/Pilot was released slightly ahead of schedule on December 12, 1977.

Pilot Testing - D11, D6

Toni Shetler has made good progress with the Pilot Test Plan and Pilot Test Spec. The help is much appreciated.

Alto Process Structure - P7

Implementation of the Alto process structure is now under way and is expected to be complete by the middle of January.

D0 Acceptance Testing - P21

Tom Horsley has been working full time on the D0 acceptence effort and will continue to work on it until no later than the end of January.

Assignments

Bishop: Develop requirements and functions for data management. Aid Richard Moore with Records Processing specification.

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

Horsley: Work on the D0 acceptance tests. This activity will not extend beyond the end of January. Work on *Pilot design Specifications.* Maintain release 1.0 of Alto/Pilot.

Lauer: Work out the design of ByteStreams and Filters. Assist in the year end technical presentation of Pilot. Edit the *Pilot Functional Specifications.* Edit the *Pilot Concepts and Facilities.* Edit the *OIS Mesa Functional Specifications.*

Lynch: Prepare the year end technical presentation of Pilot. Work Plans, D0 conversion

plans, *Pilot Functional Specifications.*

McJones: Take increased responsibility for the *Pilot Design Specifications.* Help implement the file facilities.

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

Redell: Work with the Mesa group in the implementation of the process structure design for Mesa 4.0. Assist in the year end technical presentation of Pilot. Edit the *Pilot Design Specifications.* Take responsibility for the design of the file facilities.

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