XEROX
BUSINESS SYSTEMS
System Development Division
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To: W. Shultz

From: W. C. Lynch

Location: Palo Alto

Subject: Pilot Status Report for January 78

Keywords: Pilot, Status

File: [Iris]<Lynch>Jan78.Status

Archive document #: To be assigned by Ode Binkley

Staffing and Equipment

Steve Purcell is now working fulltime on Pilot. Tom Horsley will return full time to Pilot at the end of January.

Purcell bring his Alto with him. One of the common room Altos has been moved into Horsley's office. Hugh Lauer now has his own Alto. As a result the Pilot effort will have 5 1/4 Altos at its disposal, an adaquete number for the coming effort.

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. It should be noted that over half of the schedule dependencies listed in the *Pilot Design Work Plan* have not been met. Our schedule position will be reviewed over the next month.

Pilot Work Plan - D13

The *Pilot Design Work Plan* ([Iris]<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*. Paul McJones is now taking primary responsibility as editor. A status and planning meeting was held on January 5, and the results and status as of that date are contained in ([IFS]<PilotDs>PilotDS3.memo), a copy of which is appended. Shortly after that meeting a number of assignment changes were made. Redell will take responsibility for the *Low-level Mesa support* as soon as the process implementation for Mesa 4.0 is complete. (It is substantially complete as of this writing.) Horsley will take responsibility for the *'Install'* facility. Purcell and McJones have taken responsibility for the *File Manager* and *File Page Transfer Facility*, with help from Gifford and Redell.

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, the timing and extent of the Pilot group participation in the year-end technical presentation, and vacations taken over the holidays, we now expect the first draft of the *Pilot Design Specifications* to appear on January 31st.

Almost all facilities (and all major facilities) have now been thought through and are in the process of being written up in the *Pilot Design Specifications*. At the January 5th meeting we had anticipated a delay with the file system, but the design has gone faster than anticipated and is also ready to be written up.

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.

It is anticipated that revision will begin by Hugh Lauer in the middle of February with Version 3.0 to be released at the end of March.

Alto/Pilot Release - D19

Alto/Pilot was released slightly ahead of schedule on December 12, 1977. No feedback whatever has been yet recieved. Acceptance testing by Product Software is scheduled for the last half of January.

Pilot Testing - D11, D6

Due to Toni Shetler's efforts the Pilot Test Plan is now essentially complete and will be released soon.

Alto Process Structure - P7

Implementation of the Alto process structure is now essentially complete, slightly ahead of schedule.

D0 Acceptance Testing - P21

Tom Horsley is now disengaging himself from the D0 acceptence effort and will return to Pilot at the end of January.

Assignments

Bishop: Develop requirements and functions for data management leading to a concepts and facilities document and a functional specification. Aid Richard Moore with Records Processing specification. Work with Ed Satterthwaite to develop a proposal enabling better integrated object oriented programming in Mesa.

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

Horsley: Work on the D0 acceptance tests until the end of January. Work on the Pilot *Install facility.* Consult on the construction and integration of Pilot microcode. Maintain release 1.0 of Alto/Pilot.

Lauer: Work out the design of ByteStreams and Filters and write and edit the corresponding sections of the *Pilot Design Specifications* and the *Pilot Functional Specifications.* Construct a prototype implementation and make it operational within Alto Pilot. Edit the *Pilot Functional Specifications.* Edit the *Pilot Concepts and Facilities.* Edit the *OIS Mesa Functional Specifications.*

Lynch: Review the *Pilot Design Specifications.* Help with recruiting new personnel for 78. Work Plans, D0 conversion plans, *Pilot Functional Specifications.*

McJones: Take responsibility for editting the *Pilot Design Specifications.* Take specific responsibility for the memory management portions of the *Pilot Design Specifications.* Lead the design effort for the file facilities.

Purcell: Become intimately familiar with the Pilot process management, memory management and file facilities. Actively participate in the desing specification of the file facilities. Work on *Pogo* in the background.

Redell: Work with the Mesa group in the implementation of the process structure design for Mesa 4.0. Take responsibility for the *Process structure* section of the *Pilot Design Specifications.* Take responsibility for the *Low-level Mesa support* section of the *Pilot Design Specifications.* Consult in the design of the file facilities.

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