Inter-Office Memorandum

To	Pilot Design Spec Contributors	Date	January 10, 1978
From	Dave Redell	Location	Palo Alto
Subject	Results of second meeting on the Design Spec.	Organization	SDD/SD

XEROX

Filed on: <Redell>PilotDS3.memo

Our second meeting on January 5 assessed the progress so far and established new goals for getting the various sections submitted for integration. Some modifications to the Table of Contents were adopted and several authorship assignments were revised:

20 January: Sections submitted for integration into first draft.

31 January: First draft of integrated document distributed.

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5.0 Internal Interfaces (6.0 Algorithms and Databases)

5.1   **Low-level Mesa support**   [Lauer]
To be converted from a subset of the OIS Mesa Functional Spec. in conjunction with Mesa group.

5.2   **Input/Output Control System**   [Jarvis]
Current draft complete and available for review; comments solicited.

5.3   **Input/Output Drivers**

Disks: rigid & local floppy   [Jarvis]
Current draft complete and available for review; comments solicited.

X-wire & sockets   [Dalal]
Exists as notes plus a prototype implementation; a prose description being written.

RS232   [Schwartz]
Current draft complete and available for review; comments solicited.

Tapes: cassette & 9-track   [Jarvis]

Magnetic cards   [Jarvis]

Printer   [Jarvis]

Display/keyboard/mouse   [Jarvis]

Data Line Scanner   [Jarvis]

Serial Interface   [Jarvis]
The six items above are all "in limbo",
pending clarification of requirements; Pitts
will keep an eye on them.

5.4   Dynamic Firmware
       Loading Facility   [Hankins]
       Meetings with Peter Deutsch and others
       have raised questions of generality vs.
       simplicity; these should be resolved soon,
       and the resulting compromise documented.

5.5   File Page Transfer Facility   [Redell]
       Very little has been written here; Steve
       Purcell and Paul McJones will help with
       the file sections, and one of them may
       asume primary responsibility.

5.6   Virtual Memory Swapper   [McJones]
       Substantial fragments of this section exist;
       the issues seem clear enough to proceed
       with a full draft. (NOTE: the Relocated
       Memory Manager, formerly section 5.1,
       has been subsumed by the swapper.)

5.7   File Manager   [Redell]
       Nothing has been written here; Steve
       Purcell and Paul McJones will help with
       the file sections, and one of them may
       asume primary responsibility.

5.8   Virtual Memory Manager   [McJones]
       Substantial fragments of this section exist;
       the issues seem clear enough to proceed
       with a full draft.

5.9   Streams   [Lauer]
       Most of the design exists as a collection of
       memos; conversion to design-spec format
       is under way.

5.10   Clocks & timers   [Lauer]
       This section in somewhat in limbo due to
       lack of clear requirements; Hugh will keep
       an eye on it.

5.11   Software/Firmware
       Bootload and Initialization   [Hankins]
       This section is somewhat in limbo due to
       lack of clear requirements; Hugh will keep
       an eye on it.

5.12	**'Install' Facility**	[unassigned]
	This section is a complete unknown; no one currently has responsibility for it.	
5.13	**Hardware Roll Call**	[Jarvis]
	The roll-call is essentially part of IOCS initialization; not all details are clear, but Pitts will think about it.	
5.14	**Error Logging & Auto-reboot**	[Lynch?]
	This section is somewhat in limbo due to lack of clear requirements; Bill will keep an eye on it for now.	