

**XEROX**  
**BUSINESS SYSTEMS**  
*System Development Department*

To: Distribution Date: February 12, 1979  
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Subject: Systems Software Section Reorganization Organization: SDD/SS

Archive document #: Ogawa archive number

Filed on: [Iris]<Lynch>ReOrgFeb79.Memo

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## Introduction

As evidenced by the increased headcount in our Operating Plan submission, the planned level of activities within Systems Software will increase in 1979 by about 50% over the levels of its constituent areas during 1978. This increased activity has not fallen evenly across our areas but rather has been substantially concentrated in the IODU area. Despite the fine performance achieved in the past by the IODU area and its management, it is clearly necessary to divide the workload in a more manageable distribution. I am therefore announcing a minor reorganization of the Systems Software section so as to cope with this situation.

In this new organization all three areas will have increased responsibilities and will require increased resources. Consistent with our Operating Plan and its task breakdown structure, many of the groups in Systems Software will be adding new people so as to be able to discharge their responsibilities.

The following sections summarize the changes in responsibilities.

## Communication and I/O Software

Yogen Dalal is assigned as a project leader with responsibility for OIS Communications. Over a period of time TBD Yogen's group will also assume responsibility for the FTP and RPCP activities now handled by Jim White.

Communication and I/O Software will assume the responsibility for I/O device controllers, I/O microcode, I/O drivers, and the device dependent portion of the Utilities. Pitts Jarvis and John Ng will report directly to Jim White. Jim will place major emphasis on this activity consistent with his

responsibilities as the manager of Communication and I/O Software and his transition responsibilities with FTP and RPCP. Responsibility for the Utilities will be reassigned between Jim and Hugh Lauer.

## Pilot

The Pilot area will assume some additional responsibilities. Tom Horsley has agreed to be responsible not only for the release mechanics and bookkeeping of Pilot but also for those functions for the microcode and for Gateway software.

The Pilot area will take responsibility for the portion of the utilities that are more dependent on the internals of Pilot than on particular I/O devices. This boundry will be negotiated between Hugh and Jim White.

Peter Bishop will take on the task of implementing a transaction system for use by Star-1 and by Pioneer. This task, which is expected to continue to about mid-year, will be in the Pilot area and under the management of Hugh Lauer. Peter will return to the Data Management area at the completion of the task.

Dave Redell has agreed to take on the task of investigating the structuring rules for the microcode, particularly with respect to the timing and pre-emption constraints of the D0. Roy Levin of PARC-CSL has agreed to give limited aid with this task. Dave will spend about 60% of his time on this task, consistant with his remaining responsibilities to Pilot, and will report directly to me for the task.

## Diagnostics and Microcode

The span of Diagnostics and Microcode activities is reduced by the transfer of the I/O driver activity to Communication and I/O Software, the transfer of the Utilities activities to Communication and I/O Software and Pilot, and the transfer of the Microcode release activity to the Pilot area.

I expect the activity in the Diagnostics group to increase rapidly as we open our dialogue with the newly formed XBS service organization. Diagnostics is a challenging and financially important activity absolutely vital to the success of Star as a business.

Diagnostics and Microcode also retains the responsibility for the design and implementation of several microcode components (eg. booting) and for the overall integration and debugging of the microcode.

In addition to his activities as manager of Diagnostics and Microcode, Bill Kennedy personally continues to perform the task of coordinating many of the D0 activities which occur subsequent to their receipt from ED. These include the coordination of acceptance testing, upgrades and retrofits, and of some mantainance.