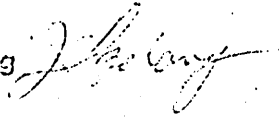


Inter-Office Memorandum

To: D. Liddle Date: July 20, 1977

From: J. Szelong  Location: El-Segundo

Subject: Progress Report 7/20/77 Organization: SDD/SD

1. Janus-1 Applications Software Requirements Specification

A meeting was held in El Segundo involving the TPO (H. Lazar, R. Beeson), ABC (Ron Johnson) and OSD (M. Williams) to discuss the responses to the Requirements Specification by ABC and OSD. Agreement was reached at this meeting that ABC and OSD would approve the document if certain changes were made by SDD. The requested changes were made and a revised document (Version 6) was submitted to Hal Lazar to be circulated for sign-off. The only open area remaining in the Requirements Specification is that of communications. It was agreed that an addendum to the Specification would be published later covering communications requirements.

2. Janus-1 Applications Software Functional Specification

The internal draft of the Functional Specification which was prepared last month has undergone extensive review within Applications Software and SD. A new draft has been prepared and will be distributed within SD on July 22. Informal distribution of this draft will also be made to other parts of the SDD organization whose activities are software related.

Work on this specification is continuing at a high level in the following areas:

- o issues not addressed in the current draft (e.g. landscape pages, mouseless terminals, etc.)
- o completeness (e.g. error situations and system responses)
- o consistency of user interface across applications.

The distribution of the Functional Specification through the Program Team is still scheduled for October.

3. Janus-1 Applications Software Design Specification

A preliminary draft of portions of the Design Specification was distributed on schedule on July 15. This draft serves as an early checkpoint for review of the design approach by the Functional Specification and Design Specification Teams. Additional drafts will be produced periodically to communicate the state of the system design as it evolves.

4. Comparative Analysis

The following activities have taken place during the reporting period:

- o The June draft of the Functional Specification is being reviewed to compare the way in which common tasks would be performed using Janus to the way in which they are performed on other equipment.
- o The OS6 product was studied and a memo published which concentrates on the Records Management aspects of OS6. A much more detailed and concrete description of the forms and records applications areas is being prepared, and the current Janus-1 Functional Specification is being analyzed relative to these user needs.
- o Two individuals attended the IWP convention in Portland to gain up-to-date information about competitive products.

#### 5. Diamond Support Activity

- o The document PUT process is operational. As further class features are introduced into Diamond, PUT will need to be expanded.
- o Insert from the keyboard is again operational in Diamond following revisions made to "looks" properties.
- o Style sheet support is in the coding phase.
- o The automated system for maintaining current, daily Diamond source listings is now in place.

#### 6. Janus-2 Definition

The Janus-2 Definition effort was relatively inactive since personnel were diverted to Janus-1 related tasks in an attempt to maintain current schedules in spite of the hiring freeze.

The effort will be continued as resources are available, but using a modified approach. Rather than attempting to obtain more detailed market information from Planning, we will publish a set of possible upgrades to Janus-1 and request Planning to prioritize the set and modify it as required.

#### 7. Advanced Design

This area was also inactive due to reassignment of personnel to Release 1 related tasks. As resources are available, the task of analyzing the D0 processor arithmetic capabilities relative to applications such as Business Control and Forms Processing will be continued.

#### 8. Support

- o A draft of the Test Tools Specification has been prepared. It will have a limited SD distribution August 1.
- o The Development Environment Requirements document has been issued. It describes facilities required in managing the development of product software.
- o New hires have been assigned training programs. Three tool programs are underway:
  1. Print spooling program - an Alto will be dedicated as a print file receiver. Files will be transmitted periodically from the receiver to print servers

(Versatec, HiType, Dover).

2. Peekpup processing program to produce reports on network usage.
3. Problem report logging and report generation program.

#### 9. Applications Prototyping

- o An evaluation of SmallTalk as a tool for prototyping text selection methods is underway.
- o The desktop prototype by Bob Ayers is being investigated as another prototyping tool.
- o Work is continuing on the forms prototype to evaluate a technique for allowing the user to specify the size and position of fields relative to pre-printed paper forms.

#### 10. Personnel

Steven Evans, Steven Hayes and Jerry Morrison joined Applications Software during the reporting period. Steven Abraham will arrive on 1 August. All of these additions represent offers which were made to college graduates prior to the hiring freeze.

#### 11. Facilities

There is not yet a definite schedule for the move to the first floor and current predictions indicate that the move will not occur until late this year. An interim move was made within our existing area on July 19 to group individuals who are working on related tasks.

c: L. Bergsteinsson  
 P. Heinrich  
 C. Irby  
 W. Lynch  
 R. Meicalfe  
  
 W. Shultz  
 C. Simonyi  
 D. Stottlemyre  
 J. Weaver