

April 1, 1971 / Re: EROS Data Center
Sioux Falls, South Dakota

C Mr. H. E. Carmichael
The Aerospace Corporation
P. O. Box 95085
Los Angeles, California 90045

Dear Mr. Carmichael:

O We have spent the past two weeks studying Phase 1 and Phase 2 of the Aerospace Final Report. In anticipation of the forthcoming conference scheduled for April 19th and 20th in Sioux Falls, we are enclosing the following for your consideration prior to that conference:

- P 1. EROS Management Assistance Program
Phase 2 A/E Presentation March 1971
with EDG Page Numbering
- 2. Questions from Phase 1 Final Report.
Questions from Phase 1 Final Report
Appendix A.
- Y 3. Program Corelation Phase 2
A/E Presentation, Phase 1 Final
Report Appendix B

The biggest problem we are having in comprehending the program is correlating functional descriptions from Phase 1, Final Report dated 16 November '70 and Appendix "A" to it with space allocations in Appendix "B" (Phase 1, Final Report), and Phase 2, A&E Presentation dated March, 1971. In some cases we suspect that functions described have had no spaces specifically allocated thus far.

In order for us to effectively proceed further with the preliminary design of the DHB, it is imperative that we have a clear understanding of how the functions are to be related to programmed areas. The enclosures are illustrative of the many questions yet in our mind.

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Mr. H. E. Carmichael
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C We hope that the next conference will effectively provide the necessary information. If there are any questions on the enclosed, please let us know. We would appreciate a response to any of the questions prior to the conference if possible.

Very truly yours,

O Duane P. Paulson, P.E.
Project Manager

DPP*cas

Enclosures

P cc: Mr. Glenn Landis
Mr. Jean Kroeger

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QUESTIONS FROM
PHASE 1 FINAL REPORT
SYSTEMS MANAGEMENT ASSISTANCE TO THE EROS PROJECT

1. ERDC Planning
Can we get detailed information on NASA Data Processing Facility at Goddard Space Flight Center relative to those processes and requirements for areas housing them which will be included in DHB, such as a floor plan? Ref. Pg. 1
2. "Other than image form" data. Does this mean printed form? How extensive and sophisticated a capability to produce printed matter is required? Where (in what area) is this function? Is there such an area programmed? Ref. Pg. 6
3. EROS Program Planning Areas
Public Relations/Sales Orientation
Notify public of availability of services Ref. Pg. 24
Question: Does this function impact DHB? Is it included in given programmed area criteria?
4. Collection of basic information from users leading to development of requirements. ERDC Function. Ref. Pg. 25
Question: In what programmed area is this function accomplished?
5. "Routine extraction certain types of imagery from raw data/results published periodically for distribution." Not initial function/how is such a future function planned for? Will it be planned for? Ref. Pg. 35
6. Rapid data transmission capability dissemination function future. Question: How is planning of initial facility impacted by this future capability? Ref. Pg. 36

QUESTIONS FROM
PHASE 1 FINAL REPORT
APPENDIX A
PRELIMINARY FUNCTIONAL DESCRIPTION OF
THE EARTH RESOURCES DATA CENTER

1. ERDC will produce catalogues for aircraft film. Where?
Ref. Pg. 4
2. ERDC will reproduce catalogues from NASA (ERTS Data). Where?
Ref. Pg. 6
3. All functions will require general office space to include:
 - Offices
 - Open work areas
Ref. Pg. 12
Note: With provisions for installation of teletypes and computer terminals.
Question: Where are these spaces reflected in program?
 - Only reference discovered so far is that during initial phase excess technical or lab space can be used for general office space (Appendix A, Page 3).
Question: In ultimate projected (1978) configuration has the required amount of open work area for each function been defined? Only office spaces defined specifically are in technical areas and defined as supervisors office and secretary's office of 200 and 100 S.F. respectively (other than analysts offices).
4. Electronic Equipment Areas
General-purpose digital computer support facility for various functions
Ref. Pg. 13
Question: Are any of these functions processing or special processing?
Note: Special environmental, power and structural requirements associated with computer functions audio-visual presentation center and rooms with film projection equipment. (For technical and public relation functions).
Ref. Pg. 13
To support
 - Investigation (research)
 - Education
 - DemonstrationQuestion: Are the above areas reflected in Phase 1 program or in Phase 2 program? If so, where?
5. Where or in what area is statistical information on library and archives data collected?
Ref. Pg. 15

6. Types of batching orders to be generated

- Batch data access orders
- Batch processing orders
- Special processing orders

Ref. Pg. 18

Question: Where are these functions carried out? Are they all computer operations?