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J. H. SALTZER

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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OFFICE OF SPONSORED PROGRAMS

May 29, 1975

TELEPHONE (617) 253-3820

OSP 81603

Honeywell Information Systems Inc.
Federal Systems Operations
7900 Westpark Drive
MacLean, Virginia 22101

Attention: Robert Shoemaker

Reference: Renewal Proposal

Gentlemen:

Massachusetts Institute of Technology hereby submits twelve (12) copies of a renewal proposal for the research entitled "Continuation of Research on Engineering of a Computer System for which Security can be Certified by Auditing". This research shall be conducted under the supervision of Professor Michael L. Dertouzos, Director of Project MAC and Professor Jerome H. Saltzer serving as Principal Investigator.

This proposal is submitted at a total estimated cost of \$409,695 for the period July 1, 1975 through June 30, 1976.

One copy of this proposal has been signed by Professors Saltzer and Dertouzos as well as George H. Dummer, Director of the Office of Sponsored Programs.

Very truly yours,

T.E. Lightburn
Assistant Director

TEL/JT

ENC: 12

CC: J.H. Saltzer ✓
M.L. Dertouzos

RESEARCH PROPOSAL SUMMARY - Submission Data, Resource Use, and Approvals

Department, Lab, or Center Project MAC Sub-Unit Systems Research Division
Title of Proposal Continuation of Research on Engineering of a Computer System for which
Security can be Certified by Auditing
For Submission to Honeywell Information Systems Inc., Federal Systems Operations, 7900 Westpark Drive
MacLean, Va. 22101
Attention of Robert Shoemaker

Date by which this proposal must leave M.I.T. As soon as possible No. of copies to sponsor 12

New Project Renewal If new, mark appropriate box(es): Response to RFP

Present DSR No. 81603 Sponsor expecting to receive proposal

Period Proposed 7/1/75 - 6/30/76 Sponsor expected to accept proposal

Total Dollar Amount this Proposal \$409,695 First year amount _____

PERSONNEL (THIS PROPOSAL)

FIRST PERIOD BUDGET

Faculty	% of time	Faculty	Total Head Count	Total Man-mos	New People to be hired
Name (if known)		Faculty	4	26.4	
Jerome H. Saltzer	35%	Other Acad	1		
Michael D. Schroeder	55%	Grad Stud	14	102	
David D. Redell	55%	DSR Staff	5	36	
David D. Clark	65%	Other	9	24	
Liba Svobodova	10%				

(12 mos.)

Sal & Wages	\$203,567
Benefits (19.3%)	22,488
Overhead (65.5%)	133,330
Equipment	25,200
Mat and serv	7,360
Travel	8,000
Other	9,750
TOTAL:	\$409,695
Cost-Sharing (_____)	
Total from Sponsor	

COMPUTER services required? Yes No If yes:

Specific Machine	Facility	Total hours	Total Cost
Honeywell 6180	I.P.C.		\$125,000
Honeywell 68/80	Honeywell	180	

These services are to be supplied by the sponsors separately from the funds requested in the proposal.

Give room numbers of spaces to be used for this research: NE43-501-517 and NE43-535-540

Do you foresee submitting a Space Change Request for this project? Yes No

BRIEF SUMMARY AND SPECIAL INFORMATION The Computer Systems Research Division of M.I.T. Project MAC proposes the continuation of its research program to make possible the certification, by auditing, of the centrally protected core of a general-purpose, remote-accessed, multi-user computer system. The original proposal, dated October, 1973, was for the 3½ year period from January, 1974 to June, 1977. The initial contract between HISI and M.I.T. (actually a directed subcontract of a cost-sharing contract between AF/ESD and HISI) provided funding for the first 1½ years, from January, 1974 to June, 1975. Progress during the initial 15 months has been largely as expected, so it is proposed here that the originally planned work be continued for the remaining two years. A specific budget for July, 1975 through June, 1976 is provided, together with a rough estimate of budgets for ensuing periods.

TECHNICAL APPROVAL

FISCAL APPROVAL

Supervisor Jerome H. Saltzer Date 5/19/75
Dept. or Lab Head _____ Date _____
Dean, Provost, or V.P. _____ Date _____
Chmn. Comm. _____ Date _____
on Spons. Research (Proposals over 50,000)

DSR _____ Date _____
Comptroller _____ Date _____
Added Information: _____