

MAY 27 1988

PB 5/12 M1 FUNCHES

- 1 -

MEMORANDUM FOR: Jesse L. Funches, Director, PMDA

FROM: Robert E. Browning, Director, HLWM

SUBJECT: REVIEW OF UNSOLICITED PROPOSAL FROM SYSTEMS SUPPORT, INC. ENTITLED, "TECHNICAL SUPPORT IN PERFORMANCE ASSESSMENT CODE IMPLEMENTATION" (TICKET NO. 8800220)

My staff has reviewed and evaluated the subject proposal against the specific evaluation criteria provided in the memorandum (R.D. Thompson to E.S. Beckjord, April 6, 1988). The proposal is found to be fully satisfactory in meeting these criteria. Furthermore, the proposed work is a follow-on to ongoing work currently being done by the proposer, Systems Support, Inc. for the federally funded research and development center. The DHLWM does not believe NRC should fund this work directly. The DHLWM believes that this proposal should be presented by Systems Support, Inc. directly to the Center. Therefore we recommend that the proposal be returned to Systems Support, Inc. for submission to the Center.

A more detailed evaluation and recommendation are enclosed. If you have any further questions regarding this matter, please contact Pauline Brooks (X20404) or Kien Chang (20525) of my staff.

RB

Robert E. Browning, Director, HLWM

Enclosure:
As stated

cc: E. Davis

DISTRIBUTION

Central Files	RBallard
RBrowning	SCoplan
BYoungblood	PBrooks
JBunting	HLOB r/f
KChang	RWeller

*PH 16
426.7*

8806010147 880527
PDR WASTE
WAS-11 DCD

OFC	:HLOB*	:HLOB*	:HLOB*	:HLTR	:	:
NAME	:PBrooks:km	:SCoplan	:BYoungblood	:RBallard	:RBrowning	:
DATE	:5/26/88	:5/26/88	:5/27/88	:5/27/88	:5/27/88	:

**EVALUATION AND RECOMMENDATION OF SYSTEM SUPPORT INCORPORATED'S
"PROPOSAL TO THE USNRC FOR TECHNICAL SUPPORT IN PERFORMANCE
ASSESSMENT CODE IMPLEMENTATION" DATED 31, MARCH 1988**

EVALUATION

The Systems Support Inc. proposes to perform a series of work to make CONVO Code more accessible to NRC users by simplifying the procedure on code usage, revising present documentation and providing training for NRC staff.

1. The proposal does not contain methods, approaches or concepts which are considered to be unique or innovative. The proposed work is technical assistance in nature rather than research.
2. The proposed effort has some technical/economic merits for the following reasons:
 - a. The original computer code (CONVO) was developed by the proposer and is now being transferred by the proposer to the Center for Nuclear Regulatory Analyses (CNWRA). Therefore, there is technical merit for the proposer to participate in the continuing effort in future CONVO development and implementation.
 - b. The location of the proposer (in Washington metropolitan area) provides an economy factor for NRC user and NRC user/code developer interface. The Center, which will be responsible for overall future CONVO development is located in San Antonio, Texas.
3. The proposed effort can make a potential contribution to HLWM's plan in its present CONVO development effort and in its build up of a full NRC capability in high-level waste performance evaluation. The effort can complement present effort by the Center.
4. The proposer has full capability, related experience and facilities to perform the proposed work.
5. I consider that the proposed principal investigator Mr. Gary H. Fuller to be fully qualified to perform the proposed work.

RECOMMENDATION:

The computer code CONVO is being transferred by System Support Inc. to the Center. This process will be completed by July 1, 1988. Following this, the Center will modify the code to address waste package and engineered barrier system performance in tuff repository. A first version of this modified code is scheduled to be ready for the NRC user in December 1988. The Center is also

working to have a dedicated computer linkage with NRC by an as yet unspecified date.

The proposed work by System Support Inc. can increase High-Level Waste Division's capability in performance evaluation of waste packages. The work should be reviewed by the Center as part of its integrated effort on waste package performance evaluation.

It is recommended that the proposal be submitted to the Center by Systems Support, Inc. as proposed work for consideration in the Center's integrated work plan.