

FEB 10 1988

CNWRA/NRC 2/1-2/2/88 MEET.

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MEMORANDUM FOR: Those on Distribution List

FROM: Brian Thomas, HLOB
Michael Lee, HLSE

SUBJECT: CNWRA/NRC JOINT MEETING ON SYSTEMS ENGINEERING ACTIVITIES
ON FEBRUARY 1 - 2, 1988

Robert Adler, Rawley Johnson, Allen Whiting, and Steven Spector of the CNWRA met with Joseph Bunting, Philip Altomare, Michael Lee, Brian Thomas, and Richard Codell of NRC to discuss basic systems engineering concepts supporting the development of NRC's program architecture. Specific topics of discussion included: the use of the systems approach to construct NRC's program architecture (Adler, Whiting, and Johnson); issues regarding technology transfer of technical assistance (TA) "corporate knowledge" from NRC and its contractors to the center; and an overview concerning the development of NRC's Performance Assessment Program Plan development (Codell).

Discussions on constructing NRC's program architecture focused on the development of a work breakdown structure (WBS) and approaches to format and present different levels of activities, schedules, and resources. Types of planning documents and reports to be generated, both for implementing and managing a recommended program via the program architecture was extensively discussed.

Regarding the subject of technology transfer, the Center representatives expressed a need for more information and assistance from the NRC to first identify work performed by NRC contractors, then to assess the applicability and priority of that work in order to plan the best approach for technology transfer. These efforts will afford both NRC and the Center development of more defined technology transfer plans.

In the area of Performance Assessment, discussions centered on approaches to developing a program that will provide for a gradual build-up of Center capability. That capability will then enable the Center to undertake work accomplished by Sandia National Laboratories (SNL) and continue the development of the methodology as SNL is phased-out.

To facilitate continued progress in these areas, the following action items were identified for joint pursuit by NRC and the CNWRA:

1. PROGRAM ARCHITECTURE - The CNWRA will continue to proceed with defining the programmatic components (e.g. elements and sub-elements) of NRC's HLW program. This subject will be further discussed by telephone between the Center and NRC during the next few weeks.

Part of the program architecture is expected to address mechanisms to resolve key licensing issues. Center representatives expressed a need for

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the NRC to develop criteria for determining which mechanism is most appropriate for resolving specific issues.

2. PROGRAM ARCHITECTURE SUPPORT SYSTEM (PASS) - In its approach to develop a capability to process information to be contained in the program architecture, the Center proposes to develop a Program Architecture Support System (PASS).

A key component of PASS will be a relational data base comprised of a number of data fields to accommodate elements of data to be contained in the program architecture. NRC has commented on the CNWRA proposed PASS data fields and suggested that they be expanded and modified in some areas. NRC staff will discuss additional data fields with the Center by mid-February, 1988 and will prepare a preliminary glossary of terms defining these data fields. Also, NRC will prepare preliminary annotated outlines as guidance for documents and reports that would be expected to be generated from the PASS data.

3. TECHNOLOGY TRANSFER - NRC will send a set of SOW's and descriptive summaries for existing TA contracts to the Center. The Center will provide NRC with a list of information (by phone) that it considers useful for planning technology transfer. The Center will provide NRC with its assessment of priorities in technology transfer at a later date.

Original Signed by

Brian Thomas, HLOB

Original Signed by

Michael Lee, HLSE

cc: B. Adler, CNWRA
R. Johnson, CNWRA
A. Whiting, CNWRA

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