UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555

OFFICE OF THE
SECRETARY

August 18, 1995

MEMORANDUM FOR: Claudia Newbury
Yucca Mountain Characterization Office
Department of Energy

FROM: John C. Hoyle, Chairman, LSS Advisory Review Panel

SUBJECT: LSS PHASE 1 and 2 FUNCTIONAL REQUIREMENTS

This is to provide formal notification that the LSS Advisory Review Panel, at its July 6-7, 1995 meeting, provided its final approval of the Phase 1 LSS Functional Requirements, based on the comments and discussion at the meeting.

By memorandum of July 21, 1995, Mr. Fielden Dickerson circulated a revised draft Phase 2 LSS Functional Requirements document to the LSS Advisory Review Panel members for final comment/approval. The July 21 draft is an update of the previous draft discussed at the Panel's July 6-7, 1995 meeting. It has been reviewed by the Panel's Technical Working Group, which has recommended approval by the full Panel. Panel members were asked to provide their comments to me by August 1, 1995.

The combined comments of LSS Advisory Review Panel members on the July 21 draft are attached. They are being provided to DOE and to the other members of the LSS Advisory Review Panel as the Panel's final comments. With these comments, unless you hear from me by August 31 to the contrary, the Panel's review and approval of the Phase 2 LSS Functional Requirements is completed.

Attachment
LSSARP Comments

cc: LSSARP Members
LSS Administrator

LSSARP COMMENTS
ON
LSS PHASE 2 FUNCTIONAL REQUIREMENTS

SECTION 3.1, DOCUMENT CAPTURE

LSS2-008-4, Text Spell Check: First sentence refers to "standard" and "custom" dictionaries. These should be explained in the GLOSSARY.

LSS2-012-7, Viewing Options: Options should include the ability to view two images simultaneously.

SECTION 3.5, OFFICIAL RECORD MATERIAL

LSS2-026, Designate Official Record Material: line 2 - delete the "s" from "Records".

LSS2-026, Comment: the phrase "logically identified" is confusing when not interpreted in its ADP connotation. Suggested rewording is: "As interpreted, this requirement does not mean that the official record material in the LSS must be located in a physical file; rather, the capability must exist to identify the material as being in the official record maintained by SECY."

SECTION 4.1, SYSTEM ADMINISTRATION

LSS2-033-01, Monitor System Status: second line - spelling of "activity". Numbering convention for sub-elements has changed from single digit to zero filled, right justified.

LSS2-033-02, Priority Users: new item - The LSS shall provide a capability for an authorized user to establish and invoke "priority user" categories.

SECTION 5.1, SYSTEM SECURITY ADMINISTRATION

Do provisions in this section and others regarding the use of passwords allow for the use of digital signature technology such as "private key, public key" systems for electronic document submissions from parties (i.e., pleadings)? If not, should they?

LSS2-043, Edit Documents: statement should indicate that this and similar capabilities (043-1, 043-2, 043-3) is limited to "authorized users". Comment should address that such transactions would be made evident to users such as is required in LSS1-009.

LSS2-043-4, Document Deletion: Is there any way that the system could indicate via all displays and printouts that the document

formerly in that location was deleted intentionally and that users should contact the LSS Administrator? An earlier hit that is, later, not found could cause confusion to users.

SECTION 6.1.2, ELECTRONIC MESSAGES

LSS2-048, Electronic Messages: language is confusing where it states that the LSS does not require "unique message formats by message type." This should be clear enough so as not to prohibit the Commission from establishing appropriate format requirements' for such documents, as has been done for paper copies in 10 CFR § 2.708.

SECTION 7.0, LSS PERFORMANCE AND CAPACITY REQUIREMENTS

LSS2-059+, Concurrent Users: Statement should be more specific as to whether this is merely logged in to system or actively using the system resources concurrently.

LSS2-060, Timing Strings: Requirement states that performance shall be achieved with 15 concurrent users. There is some question as to whether this will be adequate during the hearing stage. Additionally, is it 15 concurrent users per function, or, 15 for combined users for all functions? Should there be a response time requirement for SORTing lists of documents?

LSS2-060-01 is misplaced. It is currently listed under LSS2-061 in Section 8.0.

Table 7-1, second page, Response Time Requirements, for LSS2-060-7, Conditions, the last word on the first line should be "are".

SECTION 9.0, LSS FACILITIES, EQUIPMENT AND COMMUNICATIONS

Table 9-1, Access Locations. It should be noted that the NRC Headquarters PDR is not at White Flint. It is currently located in downtown Washington, DC.

Table 9-2, Allocation of Functions to User Types: page 3 - shows the function of "Designate Official Record Material" as being one for "System Administrator/Staff." This should be clarified and made consistent with the discussions under section 3.5. Our current understanding is that: 1) a participant will "designate" ***candidate*** items for the official record, 2) the LSS Administrator, when notified by a participant of the accession numbers of candidate records, will ***flag an item*** as conditional, 3) the LSSA will forward it to the SECY organization which will ***make an acceptance/rejection decision***, enter the accepted items into a separate, automated docket file currently under development, 4) the SECY will then notify the LSSA that the item is no longer conditional, having been accepted or rejected, and,

5) the System Administrator/Staff would then ***set the final status flag*** within the LSS record. The LSSA authority does not extend to determining what is "official record material."

Table 9-3, Allocation of Hardware to Locations: listing should reflect LSS installation/incorporation into the ASLBP Office LAN and the LAN for the ASLBP hearing room at Two White Flint North.

The title of Table 9-3 is still confusing, as it could be construed as implying that the LSS will be delivering retrieval stations, printers, etc. to the "LSS Parties". NRC suggests either replacing the word allocation in the title, or, providing a footnote explaining that this table reflects deployment but does not imply that the resources are provided by the LSS. There should not be any implication in the document that the Federal government will be providing work stations to LSS participants (as opposed to public access terminals).

GLOSSARY

Glossary, Official Record: second sentence should read "Referred, at 2.1013, in the LSS rule as the "official record file."

OTHER COMMENTS

The LSS should provide hyper-linking capability whether or not it is invoked procedurally. It may be that hyper-linking capabilities are invoked only for docket, exhibit, and transcript applications rather than the whole collection, but the functionality should be there.

Consideration should be given to inclusion of the ability to SORT the results of queries by all header fields.

Consideration should be given to including a statement requiring the relational DBMS software to maintain personal name/organizational affiliation linkages for display and print purposes when the contents of one of these fields are sorted.

Consideration should be given to allowing 24-hour access with occasional pre-announced down times for maintenance and improvements.

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