

LSSARP MEETING

Licensing Support System

Functional Requirements Definitions

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Functional Requirements Purpose

- Describe the required LSS system functionality
- Facilitate an Analysis of Benefits and Costs (ABC)
- Necessary to build the LSS or include in a Request for Proposal (RFP) depending upon outcome of ABC

Background

- **SAIC prepared a LSS System-Level Requirements Document in 1990**
- **Functional requirements in SAIC document were the product of analysis, conceptual design, and prototyping efforts performed at the time**
- **LSS Working Group reviewed this document to determine if it was suitable for the ABC and possible RFP**

Background (cont)

- **LSS Working Group concluded that SAIC document was not sufficient for the ABC or RFP since it:**
 - **specified system design**
 - **included procedural requirements**
 - **contained ambiguous and unsuitable requirements**
- **Working Group recommended that the requirements document be revised to specify only system functionality**

Requirements Definition Process

- **LSS functionality is defined at different “levels”**
- **Lower levels provide increasingly detailed information regarding functionality**
- **Classic method of decomposing problems into tractable components**

Requirements Definition Process (cont)

- **Definition process has be divided into two phases:**
- **Phase I describes only the high-level requirements (i.e. Level 1 requirements)**
- **Phase II will describe lower level requirements (i.e. Level 1+n requirements)**

Requirements Definition Process (cont)

- **Level 1 requirements are contained in the draft LSS Phase I Functional Requirements document**
- **The Phase I document coalesces Subpart J regulatory citations into more concise functional requirements.**
- **Trace matrices are included in the document to associated Subpart J citation(s) with each Level 1 requirement**

Requirements Definition Process (cont)

- **Phase I Functional Requirements documents represents a “hand-off” between Regulatory and Information Resources Management (IRM) organizations.**
- **IRM will develop Phase II requirements document which expands Level 1 requirements into all lower level requirements**

Technology-specific Language

- **Language currently found in Subpart J could constrain LSS implementation options. Examples include:**
 - ASCII file vs standard text file
 - dial-up access vs remote access
 - bit-mapped image vs digital image
 - terminal vs workstation
- **This issue was discussed at a previous LSSARP meeting and a technology-neutral revision to the rule was distributed**

Technology-specific Language (cont)

- **The need for a rule change has been brought to the attention of NRC general counsel**
- **The LSS Phase I Functional Requirements document assumes technology neutral language in anticipation of a rule change.**

Status

- **A draft of the LSS Phase I Functional Requirements document was delivered to DOE on February 28, 1995**
- **Members of the LSSARP Technical Working Group were given a copy of the document the same day**

Dual Search Mode

	<u>Public Access</u>	<u>Parties Access</u>
Before hearing notice	Headers only	Full text
After hearing notice	Full text	Full text

Thus, we have a dual search mode in the period before notice

- » impacts the design and cost of the LSS
- » potentially impacts the resolution of header requirements

Created Requirement

- **Requirement LSS1-005**
- **Identifies a requirement for OCR capabilities**
- **However,**
 - **Subpart J does not explicitly require the LSS to include OCR capabilities since each participant is expected to provide standard text files as part of his document submissions**

Restatement of Requirement

- **2.1004 (b) (3)**
 - **...ensure that the bibliographic header for the original document specifies that a corrected version is also in the LSS**
 - **Comment**
 - **If the header resides on a read-only medium, then it cannot be modified**
 - **Requirement LSS1-009**
 - **The LSS shall provide a function to allow the LSSA to alert users that subsequent revisions to a document exist**
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