

FUNCTIONALITIES FOR EACH LSN TECHNICAL ALTERNATIVE

October 12, 1999

LSN Functionalities	1. Core System	2. Extended Core System	3. Enhanced System
<p>A. NRC baseline system shall include:</p> <ul style="list-style-type: none"> • Availability, performance, and integrity monitoring to measure participant compliance • Statistical analysis and information reporting on site content, performance, downtime, and usage • Database for arbitrary data, e.g., access statistics • Remote administration security • Defense against compromise • System backups • System environmental controls • Uninterruptible power supply 	<p>Shall include all NRC baseline functionalities.</p>	<p>Shall include all NRC baseline functionalities.</p>	<p>Shall include all NRC baseline functionalities.</p>
<p>B. LSN Home website functionality</p>	<ul style="list-style-type: none"> • Simple (static) homepage • One or two pages • Hyperlinks to participant sites • No CGI scripts or HTML forms • No centralized search capability 	<ul style="list-style-type: none"> • Simple (static) homepage • Multiple pages • Hyperlinks to participant sites • Some CGI scripts or HTML forms • Centralized search capability 	<ul style="list-style-type: none"> • Portal (subject specific portal) • "Active" web pages • Primary access to participant sites • Caching and replication • Prioritized access to content <ul style="list-style-type: none"> - text only - text and image • Levels of access • Provision for other media types, e.g., audio and video

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C. Software functionality	<ul style="list-style-type: none"> • No additional software required other than that needed for the baseline 	<ul style="list-style-type: none"> • Customized software (minimal) • Search software that surveys all participant sites and returns references to all matching documents • Forum and/or listserv software 	<ul style="list-style-type: none"> • Customized software (significant programming) • Search software that surveys all participant sites and returns references to all matching documents • Forum and/or listserv software
D. Hardware functionality	<ul style="list-style-type: none"> • Website server for LSN homepage 	<ul style="list-style-type: none"> • Website server • Some additional disk storage 	<ul style="list-style-type: none"> • Website server • Audio and visual server • Significant additional disk storage, processing power, and communication capacity
E. Communication functionality	<ul style="list-style-type: none"> • See NRC baseline functionalities 	<ul style="list-style-type: none"> • Forum and/or listserv to aid information exchange between participants 	<ul style="list-style-type: none"> • Forum and/or listserv to aid information exchange between participants • Problem reporting hotline