

Senate Appropriations Committee language about the NAS
Study of DOE/NNSA
(second work product to be done by the JASONs)

Energy and Water Development Subcommittee to the Senate
Appropriation Committee
Pages 97-98
Advanced simulation and computing.

"The NNSA is directed to commission an independent National Academy of Sciences (NAS) report that includes the following elements. First, the report should include an assessment of the alternative computer architectures and the applicability of the requirements of the stockpile steward stewardship program.

In addition to the NNSA, the NAS should consult with the Department's Office of Science and the National Security Agency and include their perspectives as to the appropriate computer architectures necessary to meet the needs of the broader scientific community and other elements of the national security community.

Second, the report should identify the distinct requirements of the stockpile stewardship program and its relation to the ASCI acquisition strategy. The report should clearly describe the linkage between the development of software applications and the acquisition of hardware capability and capacity, with the needs of the stockpile life extension programs and the underlying science programs.

Finally, the report should include an evaluation of the cost trade-offs between the dates on which specific computing resources are required and reduced future costs for computational power. This report is due to the appropriate congressional committees on May 1, 2002 [sic]."