

MIL-H-46855B
AMENDMENT 2
5 April 1984
~~SUPERSEDING~~
AMENDMENT 1
5 April 1982

MILITARY SPECIFICATION

HUMAN ENGINEERING REQUIREMENTS FOR MILITARY SYSTEMS, EQUIPMENT AND FACILITIES

This amendment forms a part of military specification MIL-H-46855B, dated 31 January 1979, and is approved for use by all Departments and Agencies of the Department of Defense.

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*3.2.1.3, lines 2 and 3: Add new sentence, "All such analyses shall utilize the task taxonomy expressed in 6.2.5."

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*6.2.5, line 1: Add "A systematic method used to develop" as the beginning of the first sentence.

*6.2.5, line 6: Delete "rather than a" and substitute "in addition to."

*6.2.5, line 8: Add "The following taxonomy is used to inventory or analyze tasks, with levels a. and b. stated by the procuring activity and the remaining levels dependent on the current phase of system development and purpose (e.g., gross analysis of tasks, analysis of critical tasks) for which the analysis is being conducted:

a. Mission - What the system is supposed to accomplish, e.g., combat reconnaissance.

b. Scenario/Conditions. - Categories of factors or constraints under which the system will be expected to operate and be maintained, e.g., day/night, all weather, all terrain operation.

c. Function - A broad category of activity performed by a system, e.g., transportation.

d. Job - The combination of all human performance required for operation and maintenance of one personnel position in a system, e.g., driver.

e. Duty - A set of operationally-related tasks within a given job, e.g., driving, weapon servicing, communicating, target detection, self protection, operator maintenance.

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f. Task - A composite of related activities (perceptions, decisions and responses) performed for an immediate purpose, written in operator/maintainer language, e.g., change a tire.

g. Subtask - Activities (perceptions, decisions and responses) which fulfill a portion of the immediate purpose within a task, e.g., remove lug nuts.

h. Task Element - The smallest logically and reasonably definable unit of behavior required in completing a task or subtask, e.g., apply counterclockwise torque to the lug nuts with a lug wrench."

6.2.6: Add paragraph, "Human Engineering - The area of human factors which applies scientific knowledge to the design of items to achieve effective user-system integration."

6.2.7 Add paragraph, "Human Factors - A body of scientific facts about human characteristics. The term covers all biomedical and psychosocial considerations; it includes, but is not limited to, principles and applications in the areas of human engineering, personnel selection, training, life support, job performance aids, and human performance evaluation."

6.2.8: Add paragraph, "Human Performance - A measure of human functions and actions in a specified environment."

6.2.9: Add paragraph, "Life Support - That area of human factors which applies scientific knowledge to items which require special attention or provisions for health promotion, biomedical aspects of safety, protection, sustenance, escape, survival, and recovery of personnel."

*6.2.10: Add paragraph, "System - A composite of equipment and skills, and techniques capable of performing or supporting an operational role, or both. A complete system includes all equipment, related facilities, material, software, services and personnel required for its operation and support to the degree that it can be considered self-sufficient for its intended operational environment."

The margins of this amendment are marked with an asterisk to indicate where changes (additions, modifications, corrections, deletions) from the previous amendment were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous amendment.

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(Project HFAC-0023)

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