



HUMAN SYSTEMS INTEGRATION DOMAINS



HUMAN FACTORS ENGINEERING

The integration of human characteristics into system definition, design, development, and evaluation to optimize human-system performance under operational conditions.



PERSONNEL

Determining and selecting the appropriate cognitive, physical, and social capabilities required to train, operate, maintain, and sustain systems based on available personnel inventory or assigned to the mission.



HABITABILITY

Establishing and enforcing requirements for individual and unit physical environments, personnel services, and living conditions, to prevent or mitigate risk conditions that adversely impact performance, quality of life and morale, or degrade recruitment or retention.



MANPOWER

Determining the most efficient and cost-effective mix of manpower and contract support necessary to operate, maintain, provide training and support the system.



TRAINING

Developing efficient and cost-effective options that enhance user capabilities and maintain skill proficiencies for individual, collective, and joint training of operators and maintainers.



SAFETY AND OCCUPATIONAL HEALTH

Consider environmental, safety and occupational health in determining system design characteristics to enhance job performance and minimize risks of illness, disability, injury and death to operators and maintainers.



FORCE PROTECTION AND SURVIVABILITY

Impact system design (e.g., egress, survivability) to protect individuals and units from direct threat events and accidents, including chemical, biological, and nuclear threats.