



Short Safety Subject

Short Safety Subjects are provided by the Public Safety Business Center, Fort Bragg, NC. Our intent is to provide safety topics for the purpose of increasing safety awareness and improving safety performance. Additional Short Safety Subjects are available on the PSBC Business Management Web Site at:

www.bragg.army.mil/psbc-bm/PubsAndForms/ShortSafetySubjects.htm

The Term "Ergonomics"

Ergonomics is the scientific study of human work. It considers the physical and mental capabilities and limits of people as they interact with tools, equipment, work methods, tasks, and the environment. The primary goal of an ergonomics program is to reduce work-related injuries and illnesses by adapting the work to fit the person, instead of forcing the person to adapt to the work. The idea of ergonomics is to evaluate and control work conditions known to cause injuries and illnesses because of the excessive demands placed on people. In other words, "Let's find ways to work smarter rather than harder!"

It appears that the biggest challenge will be choosing the best ergonomic strategy to use for each particular situation. There are endless possibilities. A careful analysis of the situation should help in choosing the most effective strategy. As an example, let's look at just a few possible strategies to use in situations that currently involve manual carrying activity:

- Eliminate the need to carry. This may not be feasible, but it should be the first strategy to consider.
- Rearrange the layout of the task to eliminate unnecessary carrying. This could involve relocation of receiving, storage, production, or shipping areas.
- Reduce the weight of the object being carried or increase the weight of the object so it is too heavy and has to be handled by mechanical devices.
- Use mechanical handling aids such as hand trucks, dollies.
- Assign the task of carrying bulky or awkwardly shaped objects to two or more people.
- Eliminate tripping hazards with good housekeeping practices.