Safety in the Workplace

SFE 501

What's Safety?

The condition of being protected against physical, social, spiritual, financial, political, emotional, occupational, psychological, educational or other types or consequences of failure, damage, error, accidents, harm or any other event which could be considered non-desirable

What's Safety?

- The control of recognized hazards to achieve an acceptable level of risk
 - Being protected from the event or from exposure to something that causes health or economical losses.
 - People, or
 - Possessions

Normative Safety

Achieved when a product or design meets applicable standards and practices for design and construction or manufacture, regardless of the product's actual safety history

Substantive Safety (Objective)

Real-World safety history is favorable, whether or not standards are met



Perceived Safety (Subjective)

Users' level of comfort and perception of risk, without consideration of standards or safety history

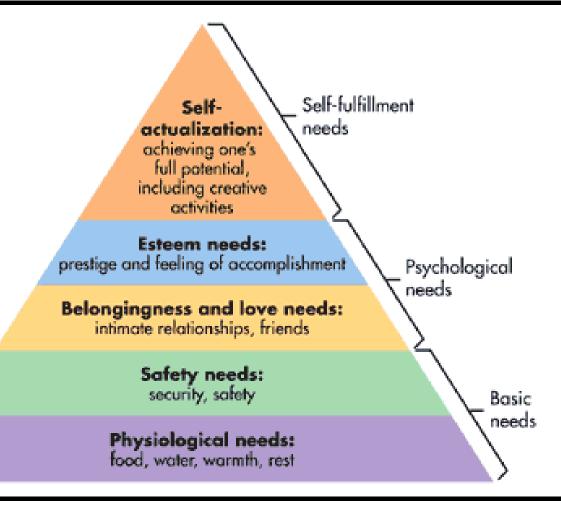
Security (Social Safety)

 Addresses the risk of harm due to intentional criminal acts such as assault, burglary or vandalism

 Is of higher importance to many people than substantive safety



Maslow's Hierarchy of Needs





IEA

International Ergonomics Association is the federation of ergonomics and human factors societies around the world

http://www.iea.cc/

CDC

Centers for Disease Control and Prevention

http://www.cdc.gov/

NIOSH

National Institute for Occupational Safety and Health

http://www.cdc.gov/niosh/

OSHA

Occupational Safety and Health Administration

http://www.osha.gov/