



ASQ CRE Prep course

Lesson III. A. 10.

Human Factors

A close-up photograph of an astronaut in a white spacesuit with a gold-tinted visor, standing on the lunar surface. The background shows the bright, cratered terrain of the moon. The image is overlaid with a grid of white crosshairs.

Consider those people, too

HUMAN FACTORS CONSIDERATIONS

Categories

Safety

Workmanship

Maintainability

- Reduction of maintenance
- Ease of maintenance





Man vs Machine

Human are better at:

Machines are better at:

Man vs Machine

Human are better at:

creativity, inductive reasoning

dealing with unexpected

Machines are better at:

precise & repetitive motions

deductive reasoning, quick reaction

Design Principles

- **Standardization**
- **Automation**
- **Simplification**
- **Load sharing**
- **Sensory amplification**

Part
communication
part physical



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Design for X (DFX)