



ASQ CRE Prep course

Lesson III. A. 1.

Environmental and Use
Factors

A high-contrast, sepia-toned photograph of a boot print in a granular, uneven surface, likely lunar soil. The boot print is clearly defined, showing a series of horizontal ridges on the sole. A grid of thin, light-colored lines is overlaid on the entire image, with small crosshairs at the intersections. The lighting creates deep shadows within the boot print and highlights the texture of the soil.

Where and how elements

ENVIRONMENTAL AND USE FACTORS

The Weather and more

- **Ambient & Internal**
- **Handling**
- **Shipping**
- **Installation**
- **Customer use**
- **Customer misuse**
- **Unintended use**



Frequency of Use

- **Different failure mechanisms dominate with different use cycles**
- **Inkjet print nozzles**



Environmental Manual

- **What do you know about the environments?**
- **What is necessary to know?**



How well do you
know your
environment?



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Lesson III. A. 2.

Stress-Strength Analysis