

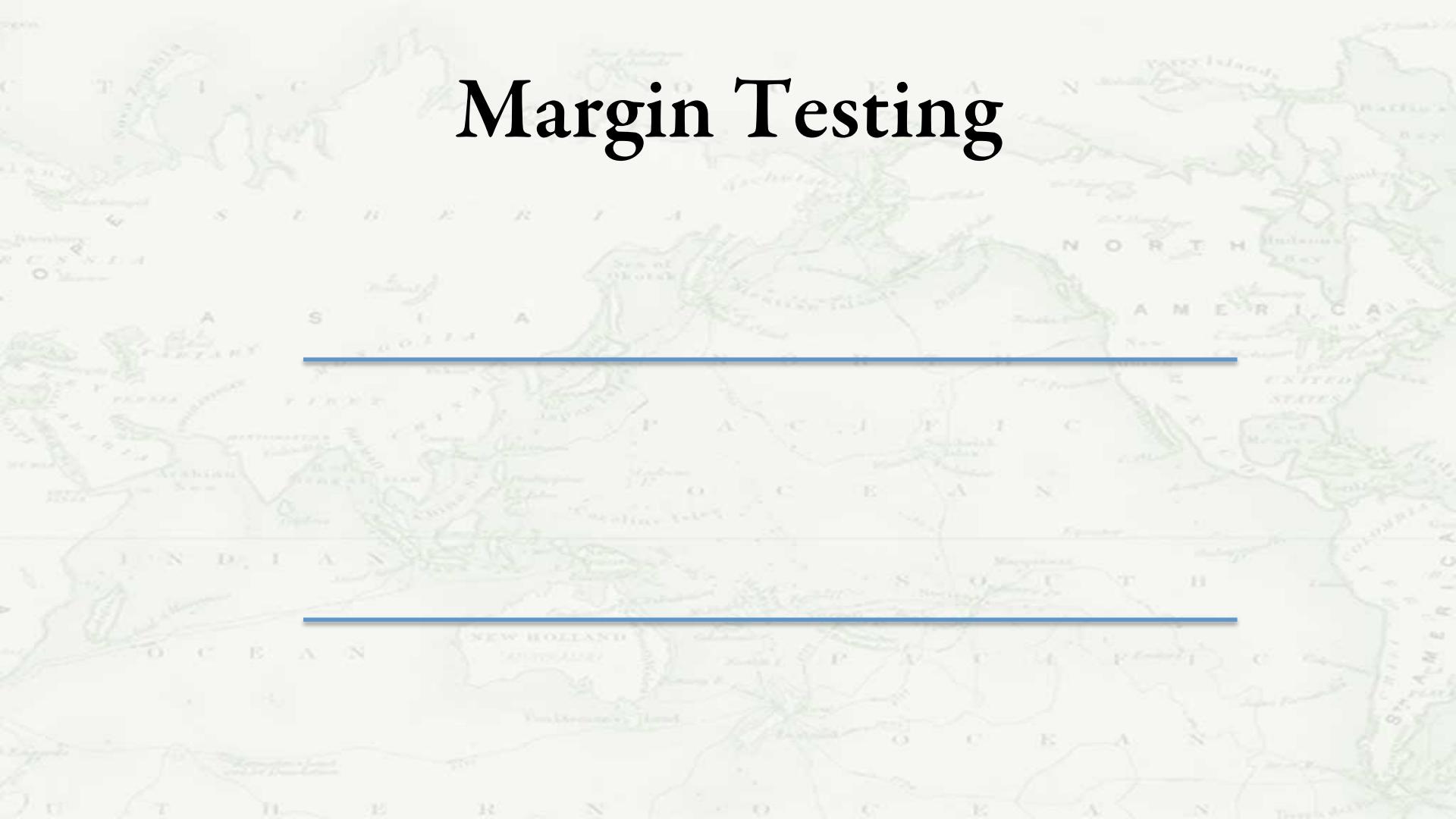


# ASQ CRE Prep course

Lesson V. B. 2.

Discovery Testing

# Margin Testing



# Sample Size of One

- Operating
- Operating Range
- Margins
- Destruct



# HAST

- **Temperature and Humidity**
- **Standard based**
  - Lack of acceleration factors
  - May reveal early life failure mechanisms



# HALT

- **Operating and Destruct Limits**
- **HALT Chambers**
- **Step Stress**
  - **Multiple stresses**
  - **Failure Analysis**



Reliability or  
Robustness?



# ASQ CRE Prep course

Lesson V. B. 3.

Reliability Growth Testing