



# ASQ CRE Prep course

Lesson V. C. 2.

Product Reliability Acceptance  
Testing (PRAT)

# Various Approaches

**Manufacturing stage**

**Sequential testing  
(PRST)**

**Sampling or  
continuous process**

**100% testing  
Bayesian**

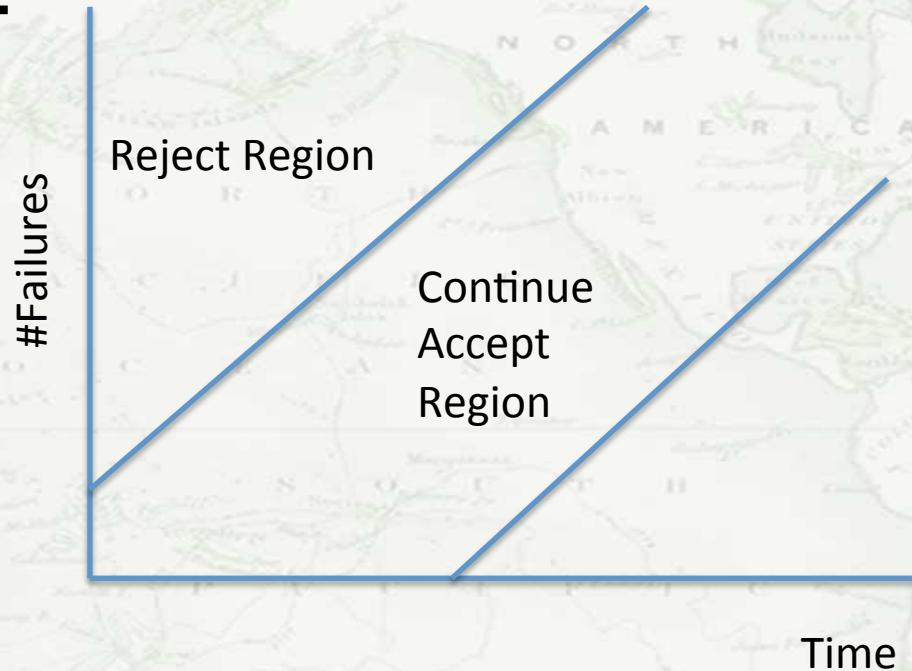
**Evaluate reliability**

**Min MTBF assurance  
SPC**

# 100% Testing (MTBF Based)

**Similar design to PRST**

**Suitable for complex repairable systems**



# Other Methods

**Run just enough to demonstrate lower threshold of MTBF**

**SPC and SPRT**



What is fundamental  
wrong with these  
approaches?



# ASQ CRE Prep course

Lesson V. C. 3.

Ongoing Reliability Testing