



ASQ CRE Prep course

Lesson V. C. 2.

Product Reliability Acceptance
Testing (PRAT)

Various Approaches

Manufacturing stage

**Sampling or
continuous process**

Evaluate reliability

**Sequential testing
(PRST)**

100% testing

Bayesian

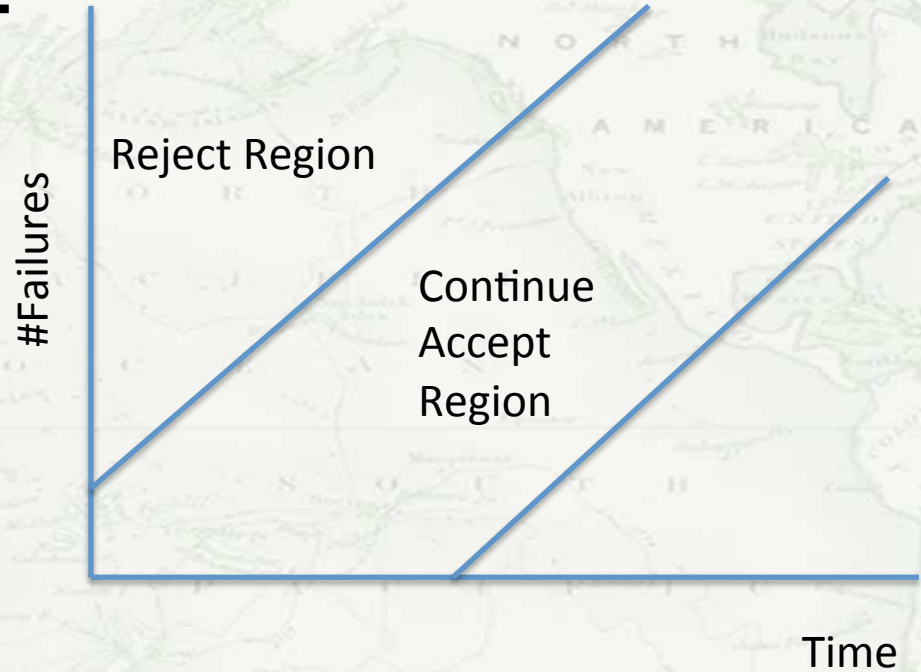
Min MTBF assurance

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?



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Lesson V. C. 3.

Ongoing Reliability Testing