



ASQ CRE Prep course

Lesson III. B. 4.

Establishing Specifications

We need a target

ESTABLISHING RELIABILITY SPECIFICATIONS



Common Specifications

MTBF – assumes repaired system is restored to like new condition

MTTF – non-repairable

MTBM – between maintenance events

Availability – uptime

Reliability – A **function performs in an **environment** successfully with a **probability** for a **duration****

Other Requirements

Failure free period

Service Life

Damage tolerance

No single point failures

Fail-safe

Graceful failure



The terms we use
matter



Work the Examples, too

Review your References

Send over your questions

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Module 5

IV. Reliability Modeling
and Predictions