

DESIGN

- RESEARCH PARTS AND ASSEMBLIES TO ESTABLISH DESIGN LEVEL FOR CRITICAL TRAITS OR CHARACTERISTICS WITHIN COMPONENTS OR ASSEMBLIES.
  - MEASUREMENT AND ANALYSIS OF STRESS, DENSITY, FATIGUE, ENVIRONMENT, WEAR, DIMENSIONS.
  - WHERE POSSIBLE, MEASUREMENTS SHOULD INCLUDE MEAN AND STANDARD DEVIATION.
- DOCUMENT RESEARCH FINDINGS
- DESIGN LEVELS SHOULD BE BASED ON DOCUMENTED RESEARCH FINDINGS, AND SHOULD INCLUDE EXPECTED VALUES AND ALLOWABLE VARIANCES.

83