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The objectives of reliability engineering, in the order of priority, are: 1. To apply engineering knowledge and specialist techniques to prevent or to reduce the likelihood or frequency of failures. 2. To identify and correct the causes of failures that do occur, despite the efforts to prevent them. 3.

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E. E. Lewis is the author of Introduction to Reliability Engineering, 2nd Edition, published by Wiley.

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□ Generally defined as the ability of a product to perform, as expected, over certain time. □ Formally defined as the probability that an item, a product, piece of equipment, or system will perform its intended function for a stated period of time under specified operating conditions.

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