



ASQ CRE Prep course

Lesson I. A. 3.

Role of the Reliability
Function

A photograph of a pigeon in flight, captured from a low angle. The bird is positioned in the center, its wings spread wide, showing dark feathers with a subtle iridescent sheen. It is flying over a white, textured building that features several arched windows with blue frames and decorative white lattice grilles. To the right, a prominent dome is painted in horizontal bands of blue, red, and yellow. The sky above is a clear, pale blue with a few wispy white clouds.

Tasks, actions, & encouragement

ROLE OF THE RELIABILITY FUNCTION

Reporting and Structure

- **To be a department or not**
- **Reporting within Engineering, Quality, Operations, or Field Service**
- **Distributed or Centralized**

Infrastructure & Analysis

- **Create and maintain:**
 - Failure analysis capability
 - Field failure rate reporting
 - Design risk analysis capabilities
 - Design testing capabilities
 - Etc.

Manuals & Procedures

- **The reliability manual**
 - Design for Reliability
 - Environmental Test Manual
 - Policy statement

Who really does
Reliability?



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Lesson I. A. 4.

Product and Process
Development