



ASQ CRE Prep course

Lesson IV. A. 1.

Sources and Uses
of Reliability Data



The validity varies

SOURCES OF RELIABILITY DATA

A faint, stylized map of the Pacific Ocean and surrounding continents (North America, South America, Europe, Africa, Asia, and Australia) serves as the background. The map is light green and grey, with labels for various geographical features and continents.

Sources and Accuracy

Outright Guess

Engineering Judgment

Parts Count Prediction Tables

Vendor Data

Physics of Failure Modeling

Life Testing

Field Data

Field Data

Warranty returns

Repair details

Complaints

Spare usage

Field Representatives

Distributors/dealers



Industry Data

Industry specific
Not common

Sharing discouraged

- **Liability**
- **Trade secrets**
- **Marketing**



Public Data

GIDEP

Government Agencies



How good is the
data you have
available?



ASQ CRE Prep course

Lesson IV. A. 2. a.

Reliability Block Diagrams
and Models – Series Systems