

APPENDIX B

FAILURE MODE DISTRIBUTION SOURCES

Component failure mode distribution information is available from a variety of sources. Many FMECA's are accomplished with failure mode distributions based on a compilation of in-house failure analysis from actual field failure returns. This type of information is typically a better indicator of field performance than the generic data found in published sources. Most often, data specific to an exact part type or exact part number item can not be obtained. In these cases, published literature should be used as sources for generic failure mode distribution data. Some are listed here:

William Crowell, William Denson, Paul Jaworski and David Mahar. Failure Mode/Mechanism Distributions 1997, Report No. FMD-97.

Reliability Analysis Center, 201 Mill St., Rome, NY: 1997.

Gubbins, L.J. Study of Part Failure Modes, Report No. RADC-TR-64-377, Rome Air Development Center, Griffiss AFB, NY 13441: 1964.

William Denson, Greg Chandler, William Crowell, Amy Clark and Paul Jaworski. Nonelectronic Parts Reliability Data 1995, Report No. NPRD-95, Reliability Analysis Center, 201 Mill St., Rome, NY: 1995.

PREP (Power Reliability Enhancement Program) Data., Alion Science and Technology, WSTIAC (Weapons System Technology Information Analysis Center), 201 Mill St., Rome, NY: 2005.