

Analysis/Software	Standards	Description	Source
Derating Analysis	ECSS-Q-ST-30-11C, US Navy SD-18, SMC-S-010, NASA EEE-INST-002, IPC-9592, Mil-Hdbk-338	Derating requirements for electronic components	Various
MTBF Prediction	MIL-HDBK-217F2/G, VITA 51.1, FIDES, IEC 62380, IEC 61709, Telcordia, HDBK GJB299, SN 29500, HRD 5, NSWC	Methods for predicting MTBF of electronic equipment	Various
MTBF Cloud (BQR)	Mil-Hdbk-217 F2	Standard used by BQR's online MTBF parts count tool	US Department of Defense
ECAD Integration	Mil-Hdbk-217, Telcordia SR-332, IEC-63238-1	Standards for parts count used in Electronic Design Automation software	Various
FMEA/FMECA/RPN (BQR)	Mil-Std-882E, Mil-Std-1629A, SAE J1739, IEC 60812, AIAG FMEA-4, EN 50126-50129	Standards for Failure Modes and Effects Analysis	Various
Fault Tree Analysis (BQR)	IEC 61025	Standard for Fault Tree Analysis	International Electrotechnical Commission
MTTR (BQR)	MIL-HDBK-472	Standard for calculating maintainability metrics	US Department of Defense
Testability Analysis (BQR)	Mil-Std-2165, Mil-Std-882E, Mil-Std-1629A	Standards for designing for testability	US Department of Defense
Reliability Block Diagram (BQR)	IEC 61078, IEC 61508, IEC 61165	Standards for Reliability Block Diagrams	International Electrotechnical Commission
MRS (BQR)	NSWC Handbook	Standard used by BQR's Mechanical Reliability Simulation software	Naval Surface Warfare Center