



**System Reliability Center**  
 201 Mill Street  
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## Typical Equipment MTBF Values

Equipment Type	MTBF (Hours)
<b>Communications Equipment</b>	
Airborne Radio	500 - 10,000
Ground Jammer	500 - 2,000
Ground Radio	5,000 - 20,000
Portable Ground Radio	1,000 - 3,000
<b>Ground Computer Equipment</b>	
CD-ROM Drive	10,000 - 20,000
Clock	150,000 - 200,000
Color Display	5,000 - 10,000
Printer, Dot Matrix, Low Speed	2,000 - 4,000
Floppy Disk Drive	12,000 - 30,000
Hard Disk Drive	10,000 - 20,000
Printer, Impact, High Speed	3,000 - 12,000
Keyboard	30,000 - 60,000
Modem	20,000 - 30,000
Monochrome Display	10,000 - 15,000
Mouse	50,000 - 200,000
Personal Computer	1,000 - 5,000
Plotter	30,000 - 40,000
Tape Drive	7,500 - 12,000
Printer, Thermal	10,000 - 20,000
Workstation	2,000 - 5,000
<b>Power Generation/Heating Ventilation and Air Conditioning Equipment</b>	
Air Handling Unit	24,000 - 70,000
Boiler	18,000 - 31,000
Chiller	18,000 - 82,000
Compressor	34,000 - 66,000
Condenser	26,000 - 200,000
Control Panel (Generator/Switchgear)	465,000 - 780,000
Diesel Engine Generator (Packaged)	7,000 - 14,000
Gas Turbine Generator	5,000 - 30,000
Motor Generator Set	71,000 - 145,000
Pump	31,000 - 143,000
Computer Controller	19,000 - 22,000
Switchgear (Insulated Bus)	240,000 - 2,500,000
Transformer, High Voltage	179,000 - 12,000,000
Uninterruptible Power Supply (UPS)	38,000 - 785,000
<b>Radar Systems</b>	
Airborne Fighter Fire Control Radar	50 - 200
Airborne Identification Radar	200 - 2,000
Airborne Navigation Radar	300 - 4,500
Airborne Search Radar	300 - 500
Ground Rotating Search Radar	100 - 200
Large Fixed Phase Array Radar	5 - 10
Tactical Ground Mobile Radar	50 - 100
<b>Miscellaneous Equipment</b>	
Airborne Countermeasures System	50 - 300
Airborne Power Supply	2,000 - 20,000
Ethernet	35,000 - 50,000
Ground Power Supply	10,000 - 50,000
IEEE Bus (Related Hardware)	50,000 - 100,000

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**Source:**

- RAC Publication, CPE, *Reliability Toolkit: Commercial Practices Edition*.

**For More Information:**

- RAC Product, PRISM, *PRISM System Reliability Assessment Software Tool* calculates system and equipment level MTBFs.