

Data Systems Performance Engineering LLC System Reliability Services

Perform field surveys and analysis to determine estimated failure rates for field installed hardware and networks (computers, input/output devices). These estimated failure rates are based on manufacturer Mean Time Between Failure (MTBF) data modified by environmental conditions. The field surveys include the following:

- a) Customer survey – what are perceived issues
- b) Measurement and observation of power, grounding, noise at every computer and I/O device
- c) Determination of Ethernet and industrial networks; measurement of error rates and types of errors and electrical noise as applicable
- d) Measurement of ambient conditions (temperature, humidity, vibration)
- e) Generate detailed report determining corrective actions for issues discovered. Assist with implementation of these corrective actions.