

Some Recommended Types of Diagnostic Data To Be Collected

- Historical data down to component level
- Cascading fault information
- Data that is relative to the level of repair (For all levels of maintenance)
- Data necessary to distinguish between-function inter-dependency
- Data required by OEM / Organic testing to effectively repair weapons system (eliminate CND, RTOK, BCSs, etc.)
- Performance Data such that the OEM can refurbish weapons system
- All data to facilitate False Alarm root cause analysis (sub-system failure data)
- Time Stamp
- Signal Performance
- Power usage
- Observable precursors to electronic failures (Extension from the Testing World)
- Physics of failure data / models (Standardization of models)
- Parametric Data
- Manufacturing statistical data
- Environmental Data (i.e., Humidity, Temperature)
- Weapon System Operational information (i.e., Pitch, Roll, Yaw, Gs, Acceleration, etc.)
- Weapon System Configuration Data (Hardware and Software)
- Built In Test Data
- Data presented in a standardized format / definition