

SPEC 2000



**Reliability Data
Collection and
Exchange**
(Chapter 11)

Industry Metrics
(Chapter 13)



SPEC 2000

Continues to Evolve and Provide Solutions

Reliability data is successfully collected, analyzed and utilized by aircraft operator, airframe, engine and component manufacturers world-wide every day. Our goal is to streamline the best practices of individual companies for the exchange of reliability data industry wide – enabling us collectively to better understand and further enhance aircraft reliability.

The Benefits of Enhanced Reliability Data Exchange in the Digital World

Aviation prioritizes a culture of safety, collaboration and efficiency in everything we do – and that culture is driving positive change in how we implement reliability data standards and exchange throughout the industry.

Airline operators and manufacturers continually strive to improve aviation operations and maintenance by utilizing best practices to enhance the exchange of reliability data from company to company. Spec 2000 Chapters 11 and 13 provide a global industry standard to do so, which helps to ensure a smooth passenger and operational experience.

How Spec 2000 Reliability Data Exchange and Metrics can work for you:

- 1 Utilizing standard formats and business content has proven to streamline efficiency, lower costs, eliminate inconsistencies and improve the overall quality of the data.
- 2 By identifying a “template” of operational and maintenance data, Spec 2000 offers new opportunities for improvements to your reliability data program.
- 3 Simple, structured XML formats facilitate development from a wide variety of IT platforms
- 4 Standardized Metrics allow benchmarking to be done without the problem of varying measurement techniques among companies
- 5 Enhanced reliability data leads to better product performance analysis with less manpower

Reliability Data Exchange

Spec 2000, Chapter 11

contains standards for detailed data exchange of:

- Aircraft, Engine, APU Hours, Cycles and Flight Data
- Aircraft Detailed Flight Data (legs, stations, etc.)
- Aircraft Events (delays, cancellations, service difficulties, etc.)
- Technical Logbooks
- LRU Removals & Installs
- Shop Teardown and Findings data
- Line and Heavy Maintenance Findings
- Service Bulletin / Modification Incorporation Data
- Out of Service Data
- Quantity Per Aircraft of Key Components

Metrics

Spec 2000, Chapter 13.2

contains standards for industry reliability metrics:

- Component reliability
- Aircraft dispatch and availability
- Service difficulty
- Logbook / faults

For more information visit
www.ataebiz.org/reliability





For more information visit
the ATA e-Business Program Reliability Working Group at

www.ataebiz.org/reliability



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ATA e-Business Program

For over fifty years, the commercial aviation industry has worked together through a joint international effort to establish specifications for improving business processes and information exchange to support engineering, maintenance, materiel management and flight operations. Administered and published by the ATA e-Business Program, these international specifications have evolved to meet the changing needs of the industry and to embrace the latest technological advances in information exchange. As a result, the commercial aviation industry has seen dramatic improvements in data efficiency, security and consistency, and has experienced a significant reduction in the time required for delivery and retrieval of operationally critical information. Members include airlines, lessors, aerospace manufacturers, distributors, suppliers, repair agencies, software providers and consultants.