Aviation Technical Library Management: 2-Week Mastery Course

11 – 22 October 2027
Barcelona (Spain)



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Ref: 321755_170118 **Date:** 11 – 22 October 2027 **Location:** Barcelona (Spain) **Fees:** 9400 GBP

Why This Course

A well-managed technical library is a cornerstone of safe and efficient aviation operations. This intensive 2-week program equips aviation professionals with the knowledge and practical skills to organize, maintain, and transform technical libraries. Participants will learn to manage physical and digital resources, support regulatory compliance, and integrate library operations with safety and quality management systems. Through hands-on exercises, case studies, and real-world examples, attendees will gain the expertise to enhance the value and efficiency of aviation technical libraries.

What You'll Learn and Practice

By attending this course, you will be able to:

- Understand the role and significance of technical libraries in aviation operations.
- Organize and manage aviation libraries effectively, including staffing, policies, and procedures.
- Acquire, catalog, and maintain aviation-specific resources efficiently.
- Implement digital library management and paperless systems.
- Integrate library operations with safety and quality management systems.
- Explore emerging trends and technologies shaping the future of aviation libraries.

The Program Flow

Day 1: Introduction to Aviation Technical Libraries

- Role and importance of technical libraries in aviation
- ICAO standards and publications
- Library mission and objectives
- Overview of aviation library resources

Day 2: Library Organization and Management

- General principles of library organization
- Staffing, roles, and responsibilities in aviation libraries
- Collection development strategies
- Library policies and operational procedures



Day 3: Information Resources Acquisition

- Acquisition methods for aviation resources
- Selection criteria for technical publications
- Managing subscriptions, periodicals, and budgets
- Resource allocation strategies

Day 4: Cataloging and Classification

- Cataloging principles for aviation materials
- Classification systems specific to aviation libraries
- Metadata creation and management
- Cataloging tools and software

Day 5: Reader Services and Circulation

- Reference assistance in aviation libraries
- Circulation systems and procedures
- Interlibrary loan services
- User education and training programs

Day 6: Technical Publications Administration

- Managing aircraft manuals and technical publications
- Version control and updates
- Distribution of technical information
- Compliance with regulatory requirements

Day 7: Digital Transformation in Aviation Libraries

- Transitioning to paperless and digital systems
- Digital preservation techniques
- Electronic resource management
- Implementing library management software

Day 8: Quality and Safety in Aviation Libraries

- Quality management principles for library operations
- Risk management strategies
- Integration with Safety Management Systems SMS
- Auditing and continuous improvement



Day 9: Human Factors and Ergonomics

- Human factors in library operations
- Ergonomic considerations for staff
- Promoting safety culture within libraries
- Stress management and work-life balance

Day 10: Future Trends and Technologies

- Emerging technologies in library management
- Applications of artificial intelligence and machine learning
- Big data and analytics in aviation libraries
- Preparing for future challenges and opportunities

Individual Impact

Participants will leave this course with:

- A comprehensive aviation library management plan.
- A digital transformation strategy for their organization's technical library.
- Best practices for cataloging, organizing, and maintaining aviation-specific resources.
- A quality management system tailored to aviation library operations.

Organizational Impact

Organizations will benefit from:

- Streamlined and efficient library operations supporting aviation safety and compliance.
- Enhanced access to accurate, up-to-date technical resources.
- Integration of library management with broader safety and quality initiatives.
- Preparedness for future technological advancements in aviation information management.

Training Methodology

- Interactive lectures with practical examples
- Hands-on exercises in cataloging, resource management, and digital systems
- Case studies and scenario-based problem-solving
- Group discussions to develop actionable management plans

Beyond the Course

By the end of this 2-week program, participants will be ready to:



• Manage aviation technical libraries with confidence and efficiency.
• Lead digital transformation initiatives in library operations.
• Implement quality and safety best practices across library functions.
• Adapt to emerging technologies and trends in aviation information management.

