

Solution Brief



eManual System for Aviation Maintenance Facilities

Sierra Systems is bringing control, timeliness and reliability to document management for aviation Maintenance, Repair and Overhaul (MRO) facilities worldwide.

The Challenge

The complexity of maintaining aviation maintenance documentation for a single airframe or engine model is daunting. For an MRO handling multiple airframe or engine lines from multiple manufacturers, the challenge grows exponentially. Documentation may come in many formats such as SGML, PDF, Word or paper. New versions of maintenance manuals must be reviewed, approved and distributed to the shop floor, as old versions are retrieved. Local Instructions must be inserted in manuals next to the pages they affect. Temporary revisions and service bulletins are received from OEMs on an ongoing basis. These too must be approved and distributed to the shop floor. The time to do a complete manual change-out is measured in months. The time to implement a temporary revision is measured in weeks. That's too long.

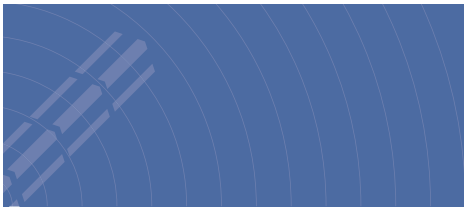
Sierra's eManual system is a solution designed specifically for aviation maintenance facilities.

What makes Sierra's eManual system different than other enterprise document management applications is that it's built around the unique requirements of aviation maintenance. The result is a system that can be brought online fast while only using a small technology footprint. The highly intuitive user interface makes it easy for librarians, engineers and mechanics to start using the system almost immediately. Which means productivity gains and improvements in regulatory compliance are realized almost immediately.

At one MRO, publication time of a new manual revision has been reduced from over five weeks to less than one week.

Document updates published to manuals has been reduced from two weeks to less than 24 hours.





Sierra's eManual system lets engineers focus on engineering, not on managing documentation.

The eManual system is based on a central digital repository for all documents from all manufacturers. Once imported, document workflow assures that manuals are routed through the necessary steps for approval and publication.

- Side-by-side comparison of revisions make it easier for engineers to identify and approve content that has changed
- Powerful, yet easy-to use-tools such as search capabilities, custom links and bookmarks make it easy to find and use critical information
- Faster turnaround in reviewing and approving new document revisions and updates
- Faster delivery of new document revisions and updates to the shop floor
- Librarians are able to create a DVD for remote or mobile users
- Complete audit trail for all document changes

eManual gives you the power to be certain the manual on the floor is always current.

Mechanics and engineering personnel on the shop floor gain efficiency in accessing and viewing documents, for greater productivity.

- Only current approved document versions are available for viewing
- All local instructions, service bulletins, and temporary revisions are fully integrated into the OEM publications
- Enhanced documentation viewing including search, custom links
- Full viewing capabilities in client/server or web browser environments
- Significant physical space saving by replacing paper manuals
- Improved regulatory compliance

Learn More

Sierra's eManual system is able to reduce operating costs, increase productivity and throughput, and improve regulatory compliance for MRO facilities. To learn more, or to schedule an online demonstration, please contact:

Sierra Systems' Center of Excellence at (902) 425-6688, or visit our website at www.SierraSystems.com.

