

C D-ROM IN THE COUNTRY

Dassault-Aviation has selected Sogitec to restructure the Egyptian Mirage 2000 documentary database.

This is a "first" which includes a multi-year updating subscription and fulfills aircraft maintenance efficiency and budget management requirements.



Equipped since the early 1980's with a fleet of Mirage 2000s, the Egyptian Air Force has also inherited the sense of time which, among other qualities, has characterized the Egyptian nation for centuries. Papyrus, which for centuries was the nation's memory, had just one disadvantage: to update it you had to completely rewrite it. As we approach the end of the 20th century, the Egyptian Air Force wanted a more sophisticated means of updating and consulting the technical support documentation for its air fleet in order to improve, at least cost, the quality of maintenance to flight readiness.

PAINSTAKING UPDATING PROCESS



This decision is the purpose of the very recent agreement signed by Sogitec and Dassault Aviation with the Egyptian Air Force at the beginning of 1999: the agreement concerns the transfer, of the updating and consultation for this export version of the Mirage 2000, to an electronic carrier media.

Until now the maintenance documentation existed on paper only, and at each revision the customer was obliged to insert the new pages into the basic folders by hand.

The documentation was obviously hampered by the painstaking updating process.

This situation, detrimental for the user, limited the amount of information about the normal modifications the aircraft manufacturer had made to his aircraft.



The problem was becoming crucial for the ordering of spares, when there was a risk of certain parts or products no longer being available.

Having a documentation which is as up-to-date as possible facilitates the ordering of spares that are compatible with the model of aircraft owned, and the ordering of spares that are actually available.

The aircraft manufacturer was able to satisfy its customer's needs, but at the cost of numerous explanations and interchanges and a waste of time.

With the implementation of the new method of documentation updating, Dassault Aviation will be nearer to its customer: great improvement in the quality of the required services and time saving in maintaining the fleet in operational condition.

COMPLETE RE-ENGINEERING USING SOGITEC TOOLS



At Sogitec, the switch from hard copy to electronic media will be made on the basis of the existing documentation to build a structured, entirely digitized documentary database to SGML standard (Standard General Markup Language). This approach is synony-

OF PAPYRUS

mous with high added value resulting from the complete re-engineering of the documentation, performed by the writers of the Communication Division, in charge of the documentation breakdown and structuring.

Once the information has been introduced into the database, the technical configuration will be managed in relation to the true status of the equipment. This concerns the airframe, the "mounted on aircraft" equipment such as the interfaces with the engine (but not the engine proper), or the airframe/missile connections.

The overall technical context of the maintenance work based on the "source data" will thus be taken into account, at least for maintenance levels NTI 1 and 2 which are ensured by the Egyptian user.

The tools used are those designed and developed by Sogitec: these are essentially the integrated documentary workstation (PDI), a set of specific programs which indicates the state of progress of a document in structured document units, authoring, translation, associated illustrations, at any time.

The PDI can also be used to manage the different presentation formats, depending on whether descriptions, maintenance operations or "work cards" are involved.

ViewTec™ will also be used for on-screen consultation and viewing of document units. The use of ViewTec™ will moreover give the potential of receiving service bulletins and using all the possibilities of computerized documentation to the maximum extent possible.

Once the documentary database has been structured, digitized,

and recorded on CD-ROM, it can be consulted on a standard PC purchased by the customer himself.

This one will thus receive a finished product which is more user-friendly than the existing paper folders, and no longer requires manual updating.

A SUBSCRIPTION THAT WILL HELP MAINTAIN READINESS AND BUDGET CONTROL



A memorandum of understanding has been set up with the Egyptian Air Force. Thus, the first deliveries in October 1999 will only include the aircraft spare part documentation. The procedural documentation (the "work cards") will be delivered a few months later in 2000.

By the end of the year 2000, the documentation will be complete: maintenance description and procedures.

Only the pilot's documentation, which is also being updated and scheduled for delivery at the beginning of 2000, will remain on paper because of its traditional definition and method of use.

Once the last update has been delivered, Sogitec will also be able to ensure multi-year updates over a total period of three years from the year 2000.

A type of subscription that will be beneficial to the Egyptian users thanks to the regularity of the reception and accuracy of the updates.

The maintenance to flight readiness of the Mirage 2000 will be more efficient.

The resulting cost control and the spreading of spending provisions will facilitate the management of maintenance budgeting.

This special development for Egypt is the first concerning the delivery of electronic documentation for all generations of the export Mirage 2000.

It is of potential interest to all countries equipped with this type of aircraft, France in particular.



Egyptian Mirage 2000 at taxiing.

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