



> Performance

RAFALE MULTI-ROLE CAPACITY

The first F1 production standard with air-air functionalities has gone into service in the Navy. It was deployed onboard the Charles-de-Gaulle aircraft carrier.

The second standard, F2, is designed for the Air Force. It provides the plane with multi-role capabilities for air-air and air-ground missions.

The operational Rafale squadron of the French Air Force is based in Saint-Dizier, where Sogitec has installed the first Rafale Simulation Center (CSR, see p. 20).

An F3 standard is being developed, providing a strategic capability.

RAFALE DOCUMENTARY INFORMATION SYSTEM, PART OF THE INTEGRATED LOGISTIC SUPPORT

Structured around the specifications of the S 1000 D standard, the system was used to develop a radically innovative document base compared to traditional references based on the page/hardcopy pair. Its foundation is composed of thousands of elementary "building blocks", the Data Modules (DM) supplied by the industrial companies participating in the program and integrated and structured by Sogitec. These are homogenous fragments anchored together that correspond to the traditional entities of a document: chapters, sections, subjects, page blocks, and tasks, sub-tasks etc. according to a predetermined tree structure. They contain information associating texts and graphics in entirely digital form encoded according to international standards (SGML for the texts, CGM for the drawings) allowing the exchange of electronic documents.

Afterwards, using an ad hoc, structure, the CDTAA (Air Force Technical Documentation Center) in Romorantin (Loir-et-Cher), the customer manages and operates the Rafale document base in its Air Force and Navy versions.

This includes publications for users, crews and maintenance personnel.

The "all electronic" aspect allows greater flexibility in the choice of medium: CD-ROM, In-ternet, Intranet, paper...

Thus, on board the Charles-De-Gaulle aircraft carrier, the maintenance crews can use the documentary data base on a laptop at the aircraft. To do so they use ViewTec™; an electronic display tool, usable on-line or on a CD-ROM, designed and developed by Sogitec.

RAFALE F2 SUPPORT DOCUMENTATION OPERATIONAL AT AIRCRAFT DELIVERY

The 100% digital document base, designed and developed by Sogitec for the Air Force's new spearhead, offers multimedia capabilities: CD-ROM, Internet, Intranet, hardcopy, etc.

Sogitec's latest supply to the Government under the Rafale documentation contract in the F2 standard is a follow on to the F1 standard documentation one (see above text: Rafale Multi-Role Capacity). This is an important milestone in the long way run by Sogitec, when the company was associated by the DGA (French MoD) and Dassault Aviation, in 1997, to implement the Documentary Information System that aimed to provide the squadron with entirely computerized integrated logistic support. Today, with this new delivery, all the functionalities of the Weapon Delivery and Navigation System (WDNS) in its Air Force version are incorporated in the documentation.

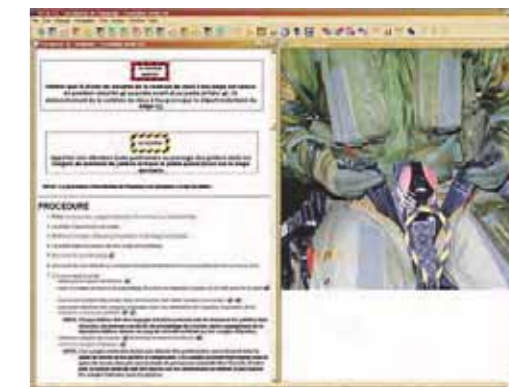
Many Challenges Were Met

The encompassing treatment of three aircraft versions (Rafale M, B et C) aggregating two standards (F1 and F2) required changing the processes, tools and development rules. The obligation of reducing costs, maintaining the level of excellence required for the quality of the deliverables, optimizing the tracing of the work and meeting an ambitious schedule also had to be fulfilled. Among the most remarkable of the new document base's functional assets are: the successful inclusion of an eminently complex F2 document base into a data base, the possibility

of filtering this base in use on the version/standard pair, and the addition of targeted browsing between the Data Modules. Finally, the significant improvement of Sogitec's responsiveness and the pertinence of its response to customer remarks constituted a highly appreciated "plus".

This supply, delivered according to the contract in December 2006, successfully closes this important project that started up in 2002. Sogitec's activity for the Rafale program has not stopped, however. The performance of Rafale F3 contract, notified in January, has

already begun. With its innovations, it will undoubtedly be an additional showcase of the company's know-how in this area of excellence. ■



THE 4 FACETS OF SUPPORT DOCUMENTATION

The term technical documentation or support documentation, covers four major categories of content:

- Crew documentation
- Maintenance documentation
- Spare parts identification documentation: Illustrated Parts Catalog (IPC)
- Equipment documentation

The Sogitec teams were able to overcome all the pitfalls by delivering documentation.

