EAD - European AIS Database

APAC was responsible for the **EAD Implementation Project Programme Management** on behalf of Frequentis, which had been the leader of the Consortium Frequentis EAD between July 2000 and April 2003. The major challenge we faced was the complex and distributed environment. Due to the wide scope of the project and the fact that the know-how was distributed over several subsystem managers who belong to different companies, we set up a Design Authority Team, which was responsible for the technical decisions. Eurocontrol representatives attended all Design Authority Meetings as observers and advisers. An incremental development approach was chosen in order to provide early results for the clients' validation and to minimise design risks.

APAC implemented a very lean project management team that strongly relies on the results of quality management and configuration management. The implemented state-of-the-art management procedures including Earned Value progress tracing allow early identification of potential delays as well as other problems. The EAD project met the Provisional Acceptance milestone according to schedule on 23 April 2003. Subsequently, the EAD System was handed over to GroupEAD, which started EAD Service Provision two months earlier than originally planned.

SAFETY AND SECURITY MANAGEMENT

supported the EAD Implementation Project. A Safety and Security Team was established, which consisted of the Safety/Security Officer of Eurocontrol and the Safety/Security Manager (**APAC**) of TeamEAD. The close co-operation formed the basis of an efficient and effective Safety/Security Process. The EAD approach combined safety and security activities and consisted of Functional Hazard Assessment, Preliminary System Safety Security Assessment and System Safety Security Assessment.

TRAINING AND MIGRATION MANAGEMENT

was performed by **APAC** to support a smooth transition from the current AIS operation to a single sky for Europe.

QUALITY, CONFIGURATION AND TEST MANAGEMENT

was the basis for efficient and effective Project Management.

About 40,000 items (documents and correspondence) were handled by Configuration Management based on a Lotus Notes database.

Quality Management performed action tracing, audits, progress evaluations, risk tracing, reviews, quality checks, etc.

All acceptance tests were planned and managed by **APAC**. Test data, results and error tracking were managed in the Lotus Notes based Test Database.

European AIS Database (EAD) Programme

The EAD Programme encompasses the implementation and operation of a reference database of quality-assured aeronautical information from the ECAC area and all around the world for the benefit of the aviation community. The Consortium Frequentis EAD was awarded the contract for the implementation of the EAD System by Eurocontrol. Mekon, Nedgraphics, ISO and Solitec, partners of the Consortium, supplied subsystems for EAD. The Consortium and the partners are called "TeamEAD".

The EAD enables Clients, both Data Providers and Data Users, to access the Data Centres via a dedicated Wide Area Network.

This is achieved by the use of a specially developed user terminal called EAD Client Interface Terminal (ECIT) or a system-to-system connection between Data Centres and External Systems (ESI).

In both cases, all communication aspects are handled by the EAD Client Interface (ECI), an interface developed for the EAD Programme.

Major EAD functions:

- Static Data Operation (SDO)
- International NOTAM Operation (INO)

Based on these functions, EAD offers the following facilities:

- Aeronautical Information Publication (AIP) Production and Viewing
- Pre-flight Information Bulletin (PIB) Generation and Retrieval
- Charts Creation and Maintenance
- Static Data Reporting
- INO NOTAM Summary

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