

AERONAVEGABILITY - ANNEX 8

INTRODUCTION

Skysoft Servicios S.A. has developed a product to guarantee the procedures that ensure the airworthiness of a country's aircraft. The agencies in charge of air activity control in each country are guided by the ICAO standards established for this purpose.

With regard to airworthiness issues, ICAO guidelines are summarized in Annex 8. These regulations identify the aeronautical products in which an unsafe condition exists, and where the condition is likely to exist or develop in other aeronautical products of the same design type.

This regulation establishes mandatory corrective actions to be taken or the conditions or limitations under which the aeronautical product can continue to function.

The airworthiness guideline is the most common form of mandatory airworthiness information. It institutes in an orderly manner the registration and procedures for recognizing and issuing airworthiness certificates, valid for the issuer and for another Contracting State, subject to the condition that the airworthiness requirements are equal to or greater than the minimum standards established by ICAO. They regulate inspections, procedures, permits and authorizations.

Complying with the rules is critical. No owner and/or operator may operate an aircraft unless all the Airworthiness Guidelines applicable to that aircraft and its components have been complied with. Therefore, the agile and safe issuance of these inspections and certificates is critical for users.

Against a backdrop of increased aircraft numbers, more complex aircraft, as well as new safety challenges, old methods such as paper registration, whose lacks in safety, speed and traceability are evident, are no longer adequate. These reasons are why this product is so necessary.

TECHNICAL DESCRIPTION

The system incorporates technology into the process by digitizing the standardized forms and making them available on the Web. The use of centralized and linked databases, allow the tracking, crossing referencing and retrieval of information when necessary. Available alarms and warnings keep users informed and attentive, avoiding forgetfulness and omissions. It incorporates digital signature technologies and "Per User Permit System", to keep the System in a Safe and Controlled environment. A modern, secure, and agile system that is constantly updated and interacts with other systems such as the Internet Flight Plan (iFPL).

ADVANTAGES

This system offers automatic permit issuance, which reduces downtime and processing time in general. All with the maximum levels of data management security and privacy. At the same time, it allows audits, traceability and accesses and movements control, giving full control over what is happening and avoiding irregularities. It also makes easy all processes when dealing with remote clients as well as interaction with external agencies or other internal systems.

An airworthiness management system that saves on costs for both customers and the controlling agency, reducing bureaucracy and unnecessary administrative expenses. As well as better control over invoicing and revenue collection leading to increased revenue.

CONCLUSION

This system is a fundamental part in the digitization of processes and centralization of data management. It can be part of a complete data integration solution by interacting with other systems. Eventually the global trend will be the total integration of data through specialized ERPs for industry, abiding by the ICAO standards and as well as regulations implemented at a national level.