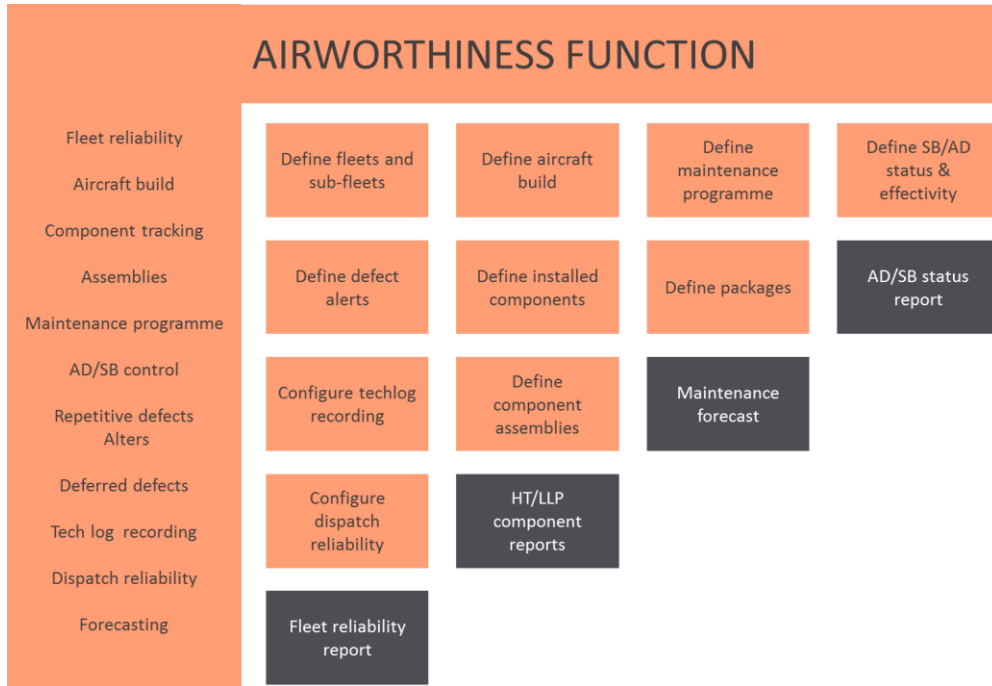




AIRWORTHINESS



The **AIRWORTHINESS MODULE** provides the necessary tools to manage continuing airworthiness processes, giving you confidence that your organisation is complying with regulatory obligations.

FLEET COMPONENT & SYSTEM RELIABILITY

OASES maintains and reports reliability statistics at a fleet level and automatically generates graphical reports for utilisation, in-service and maintenance defects, dispatch reliability, component removals and open defects. The OASES user may easily define additional defect classifications e.g. 'cabin defects' and the system then automatically collects and reports statistics for these. The report function also offers full ATA and component removal analysis enabling detailed interrogation of the high-level data.

REPETITIVE DEFECT ALERTS

Users may define repetitive defect alert windows against a 4 character ATA descriptor. OASES monitors all removals and automatically raises a Repetitive Defect Investigation should 3 events occur.

AIRCRAFT BUILD

OASES maintains a model of each aircraft that defines all significant component locations. Specific part/serial numbers are then installed and monitored or the system will manage 'empty' component locations but will assume installation as part of the original build of the aircraft. Each component location comprises an 8-character ATA

identifier and description, which together with position and zone indicators give unique identification and control of all monitored components and systems. This model is be used as a standard fleet template that can be easily modified to reflect configuration variance within the fleet.

COMPONENT TRACKING

The system maintains elapsed life data for all components including time since new, since fit, since overhaul and since repair. This data is easily accessible and can also be displayed for any given historical date. All maintenance and modification tasks are linked directly to the airframe, location or component as



AIRWORTHINESS

appropriate. Various component removal alert levels may be defined against each ATA sub-system and OASES will report the current actual alert rate considering all events.



OASES automatically produces monthly reliability reports

The module also maintains and reports reliability statistics at fleet level and automatically generates graphical reports. The system automatically calculates dispatch reliability in real-time, down to individual fleet or aircraft.

ASSEMBLIES

Component assemblies may be defined to any required depth and OASES understands that removal of any master/sub component requires all sub-assemblies are also removed e.g. this allows a complete engine assembly to be removed as a single transaction. The component life forecasting mechanisms will call for the master component to be removed based on controls for any of its installed sub-assemblies. Each component location comprises an 8-character ATA identifier and description which together with position and zone indicators give unique identification and control of all monitored components and systems. This model may be used as a standard fleet template that can be easily modified to reflect configuration variance within the fleet.

MAINTENANCE PROGRAMME

OASES maintains all tasks within the approved maintenance programme (AMP) and ensures only those of the current revision are issued to a works order. Changes to the AMP are developed within the system, and once approved, may be updated instantly to the new revision.

AD/SB/EO MANAGEMENT

This facility allows elegant and easy control of all AD, SB, EO, SIL, AOT etc. Each entity may be defined by the user and complex relationships can be modelled. Documents can be defined as superseding or mandating others and the reverse relationships are automatically set. Multiple paragraphs can be created in a document record and the paragraphs can be set to run in parallel or in

An AD/SB dashboard is used to control Engineering workflow

sequence. Completion of all task steps within a related SB will automatically record compliance with a controlling AD. Each record is held centrally and may be effective across multiple fleets, aircraft and components. A work flow sequence may be defined against each type of document and the system can intelligently route each stage depending on fleet type.

A full AD/SB compliance statement can be generated at fleet or aircraft level. OASES can be configured for automatic download of AD source documentation (EASA) and provides an easily auditable record of all transmittals generated in this way.

OASES automatically downloads documentation from the EASA website