

AIRWORTHINESS INSPECTOR TRAINING

COSCAP-SA Reference	Course	23.2
Scope of training	<p>This eight day course provides delegates with an overall introduction to issues surrounding the concept of airworthiness.</p> <p>This course demonstrates how Airworthiness and Safety Regulation is controlled and provides an overview of the processes and procedures used by a Civil Aviation Authority to ensure that individuals, manufacturers, operators and maintenance organisations comply with the relevant airworthiness regulations, setting this work in the international context established by ICAO and EASA/SARI.</p>	
Objectives of the course	<p>By the end of this course delegates will demonstrate an understanding of the following through presentation and interactive discussion:</p> <ul style="list-style-type: none"> • Foundation topics: International Civil Aviation organisation (ICAO), structure of a typical EU CAA, the concept of airworthiness and the European Safety Agency (EASA) • Knowledge in the Design and Production field: Design Organisation Approval process, certification of large and small aircraft, rotorcraft, flight handling, propulsion regulation, power plant installation, aircraft equipment approvals, installation approval, structures • Requirements regarding continuing airworthiness: maintenance and reliability programmes, airworthiness and avionics, ageing aircraft, quality in aircraft maintenance, engineer licensing, SARI/EASA Part 145 approved organisations and the Air Operators Certificate • Quality in aircraft maintenance and engineer licensing • Identify with flight operations and maintenance: The Air Operators Certificate, aerial work and corporate aircraft and MMEL • Knowledge regarding interfaces: accident and occurrence reporting, flight data recording analysis and aircraft accident prevention 	
Course duration	8 days	
Recommended participant profile	<p>This course will be delivered at such a level that it will be suitable for new Airworthiness Inspectors, moving into their first roles within the CAA, and also as a refresher for those who have been in their role for some time, and need to ensure their currency. The course will also provide an introduction to the EASA regulatory system to support the states in their transition to SARI regulations.</p>	
Key topics	<ul style="list-style-type: none"> • Concept of Airworthiness • Overview of ICAO • CAA & EASA Structure and Relationships • Certification of Aircraft • Certification and Approval of Modifications, Aircraft Equipment & Systems • Design and Production Approvals and Part 21 • Airworthiness Certificates • Part M • Maintenance Programmes • Ageing Aircraft and Ageing Aircraft Systems • Part 145 Organisation • Quality in Approved Organisations and Audit Techniques • Engineering Licensing 	

	<ul style="list-style-type: none"> • Air Operators Certificate • Special Operating Rules • MMEL • Flight Data Monitoring • Mandatory Occurrence Reporting Scheme
Method of delivery	Classroom training includes PowerPoint presentations, case studies, group exercises and group discussions, providing both the theoretical knowledge, and the practical context to underpin the delegates learning.
Maximum participants	16
Logistical requirements requested from host state	Classroom training: projector and screen, a flip chart with marker pens, U shaped class layout. For the group exercises, additional space will be required to facilitate the group to break into smaller groups to complete table-top exercises.