



UAE Airspace Changes Approval Process

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The UAE Airspace Changes Approval



- The UAE Airspace is a complex airspace, accommodating a very high traffic volume despite of its reduced size and of a high number of special use airspace areas
- This was possible by using the most advanced surveillance technology which allowed the implementation of the RNP procedures with reduced separations that made possible to accommodate a high volume of traffic.
- The success was also ensured by a high quality of primary data used for airspace design, by certifying the Instrument Flight Procedures Designer Service Providers and the Aeronautical Survey Service Providers.
- Another element that supported this achievement is the Airspace Changes Approval Process which is regulated and conducted by the Air Navigation & Aerodrome Department of the GCAA



UAE Airspace Changes Approval



- All airspace changes are integrated and processed and recorded through the GCAA ANA e- Services.
- Applications are assessed and allocated the relevant sections inspectors by the coordinators in consultation with sections managers.
- Applications assessment and processing is a complex process which requires coordination between the department sections.
- The airspace changes requests are processed based on a proper assessment conducted against the applicable Civil Aviation Regulatory provisions, in line with the GCAA internal procedures, and approved by the management.

UAE Airspace Changes Approval



➤ The applicable regulatory provisions:

- AMC 41
- CAR Part VIII, Sub-part 3
- CAR Part VIII, Subpart 6



ACCEPTABLE MEANS OF COMPLIANCE
AMC-41
AIRSPACE CHANGE MANAGEMENT PROCESS

INFORMATION AND POLICY REGARDING THE PROCESS TO FOLLOW WHEN
PROPOSING A CHANGE TO AIRSPACE



CAR PART VIII
SUBPART 6
CAR-PPD
INSTRUMENT FLIGHT PROCEDURE DESIGN REQUIREMENTS

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CIVIL AVIATION REGULATIONS
CAR PART VIII
SUBPART 3
AIRSPACE:
DESIGNATION AND CLASSIFICATION OF AIRSPACE;
ACTIVITIES AFFECTING AIRSPACE

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- The related Management of Change along with the impact of the airspace change on the UAE airspace and on the neighboring FIRs and on the regional airspace are evaluated during the assessment phase in line with the ICAO SARPs.
- Obstacles and terrain are considered during the assessment process with regards to the OLS penetrations and impact on the Instrument Flight Procedures
- Aeronautical Surveys, Aeronautical Studies and Management of Change are fundamental tools for assessing and processing the applications.



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- There are challenges due to the following reasons:
 - complexity of the UAE airspace
 - high air traffic movements
 - reduced airspace size.
 - special used airspace – multiple Restricted, Danger and Prohibited Areas

- Prior consultation and coordination with the relevant civil and military entities is conducted as part of the process.

- Aeronautical Surveys, Aeronautical Studies and Management of Change are fundamental tools for assessing and processing the applications.

- Assessment is conducted with regards to the impact on the instrument flight procedures affected by the changes caused by the new, altered facilities, technical equipment or NAVAIDs.



UAE Airspace Changes Approval



- Approvals:
 - 2011 – 2021
 - 233 Approvals provided

- BENEFITS
 - Increase in safety of operations;
 - Increase in efficiency;
 - Increase in predictability;
 - Accommodation of multiple airspace user types;
 - Increase in flexible use of airspace.



UAE Airspace Changes Approval Lessons Learned



- Civil Aviation Regulations - to be permanently updated to the latest ICAO SARPs
- Proper Coordination and Consultation with the relevant civil and military stakeholders
- Oversight of the relevant organizations
- Primary data quality
- Certification and Oversight of the relevant Service Providers – Instrument Flight Procedures and Aeronautical Survey Service Providers



Thank you

