



ICAO MID Workshop on the Continuous Climb Operations (CCO) / Continuous Descent Operations (CDO) Implementation

Abu Dhabi, UAE 13 – 14 June 2022



# CCO implementation. IFP design case at Dubai Intl.

Manuel Martin, Senior Specialist Airspace & Procedure Design

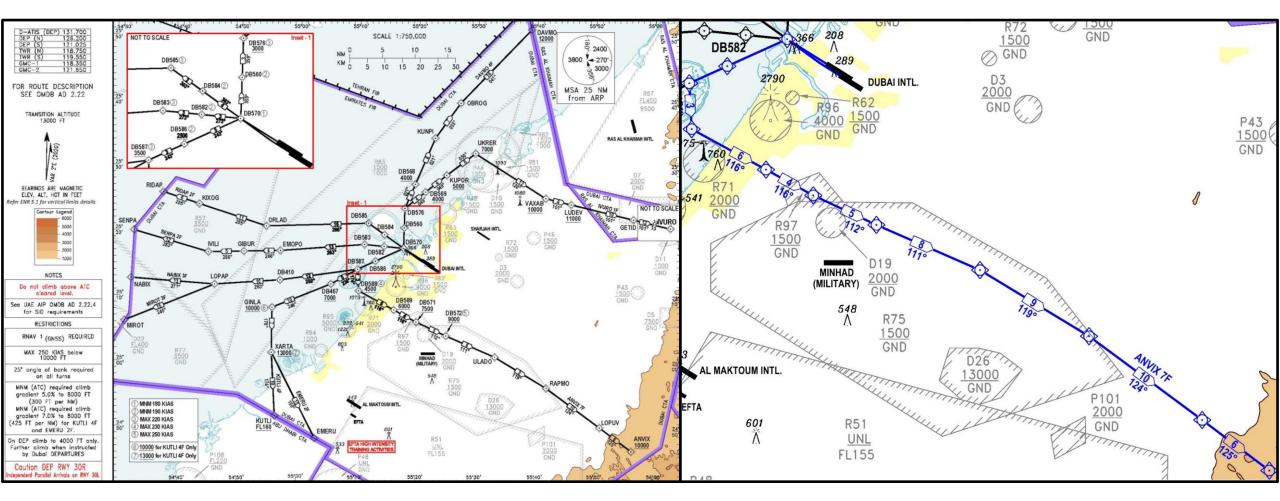




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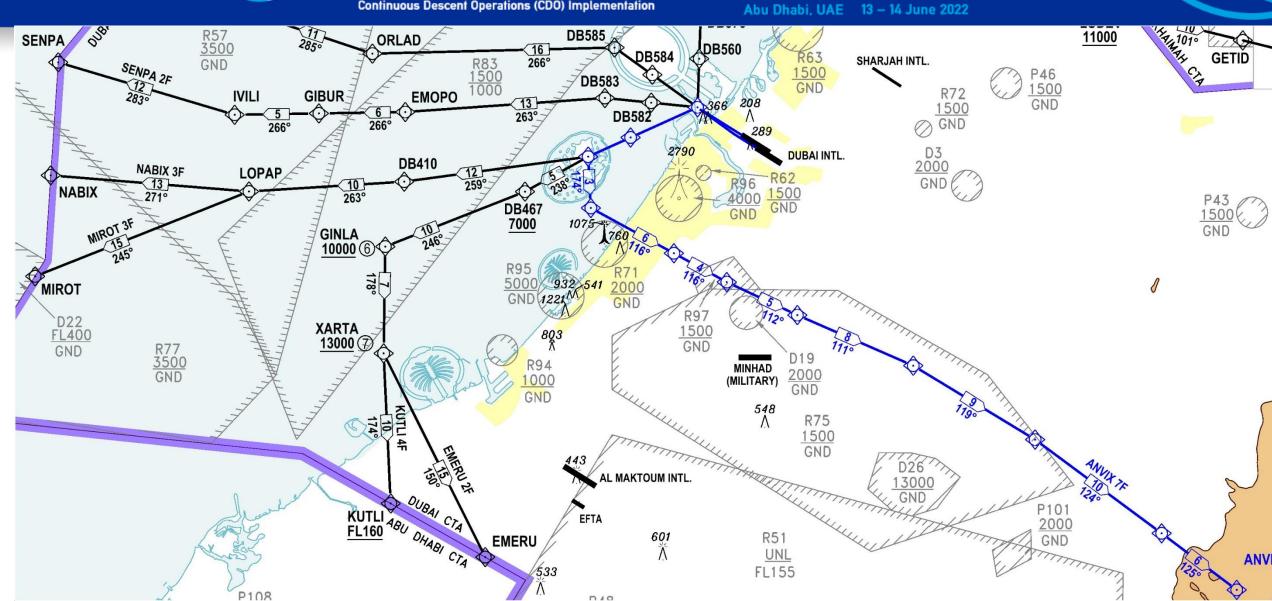
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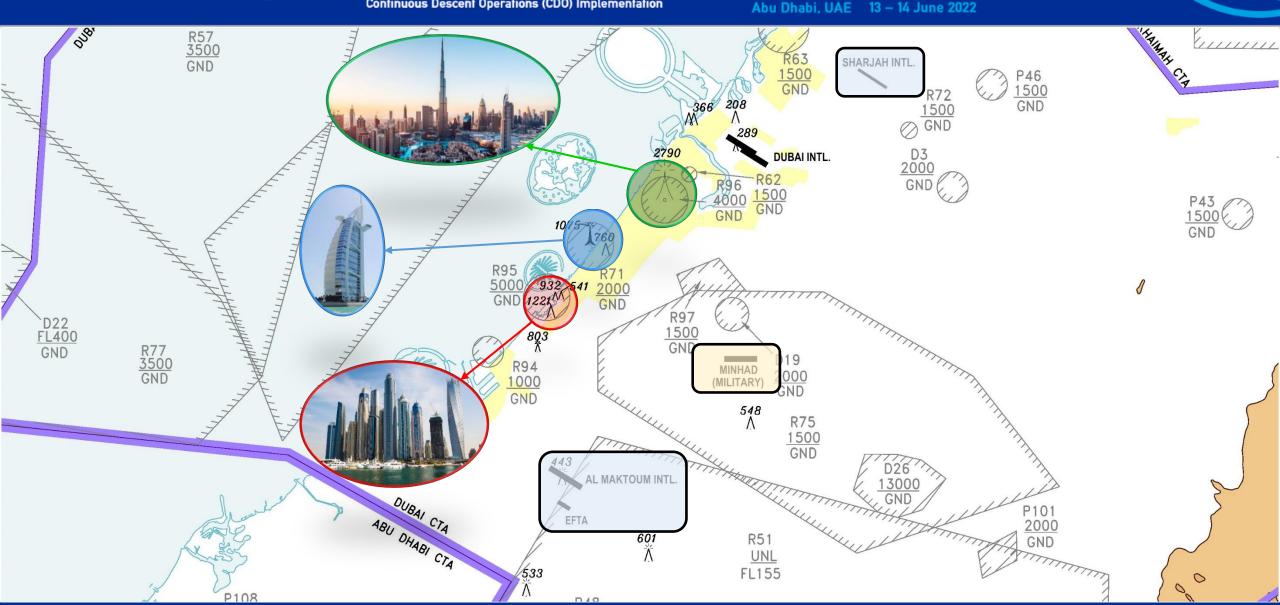






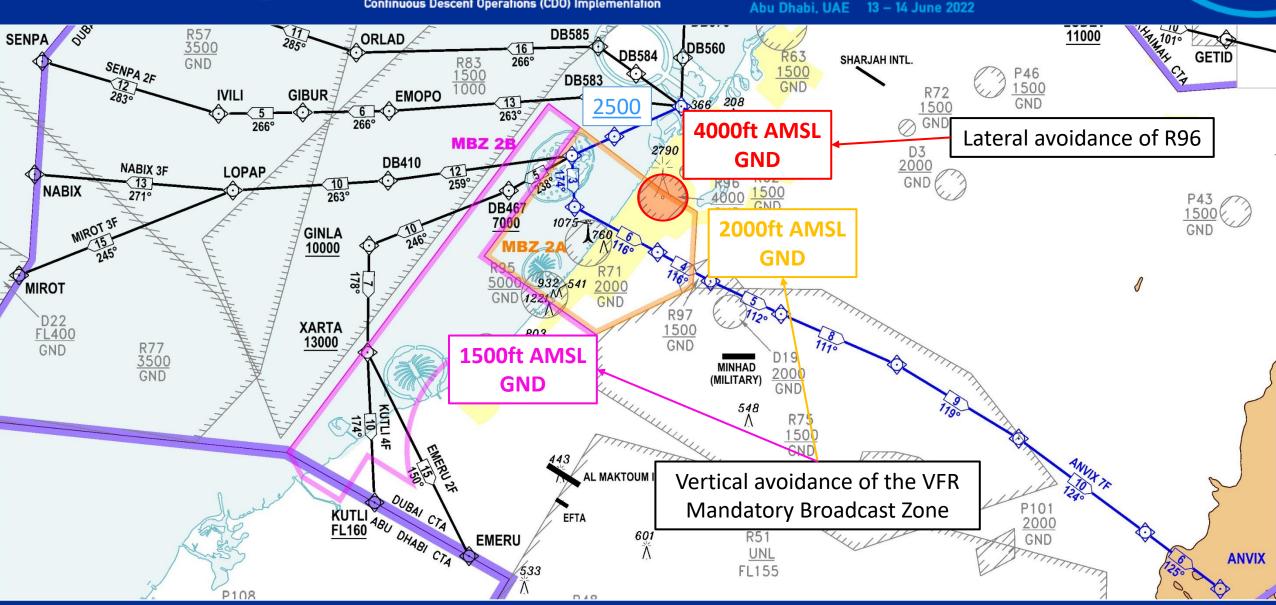


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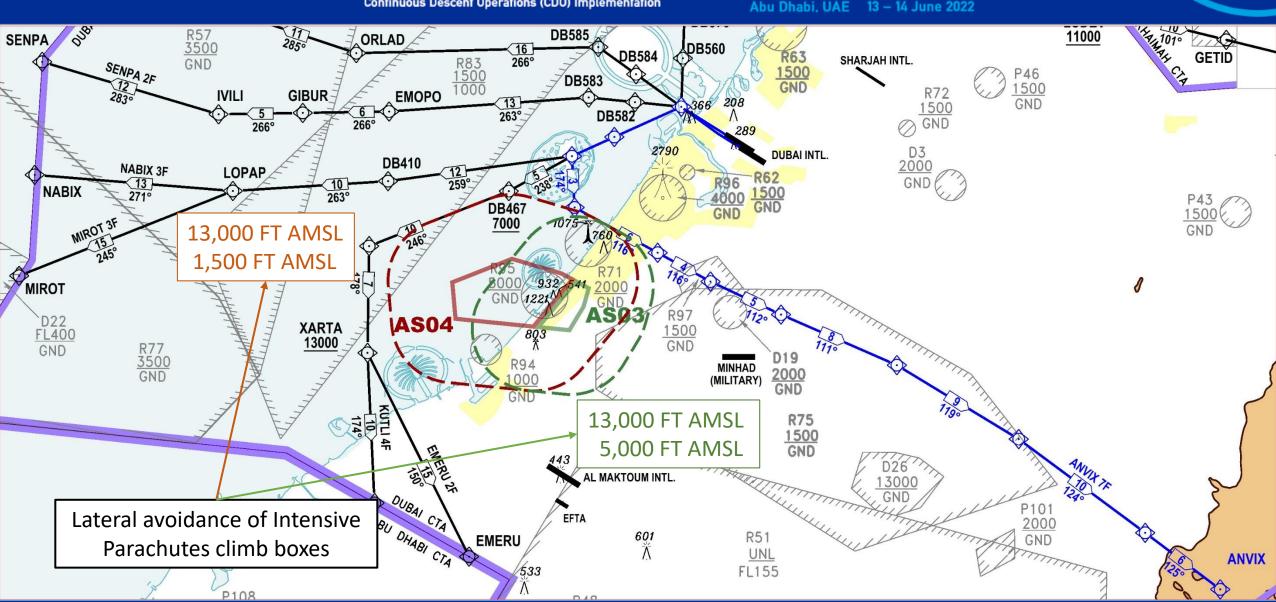






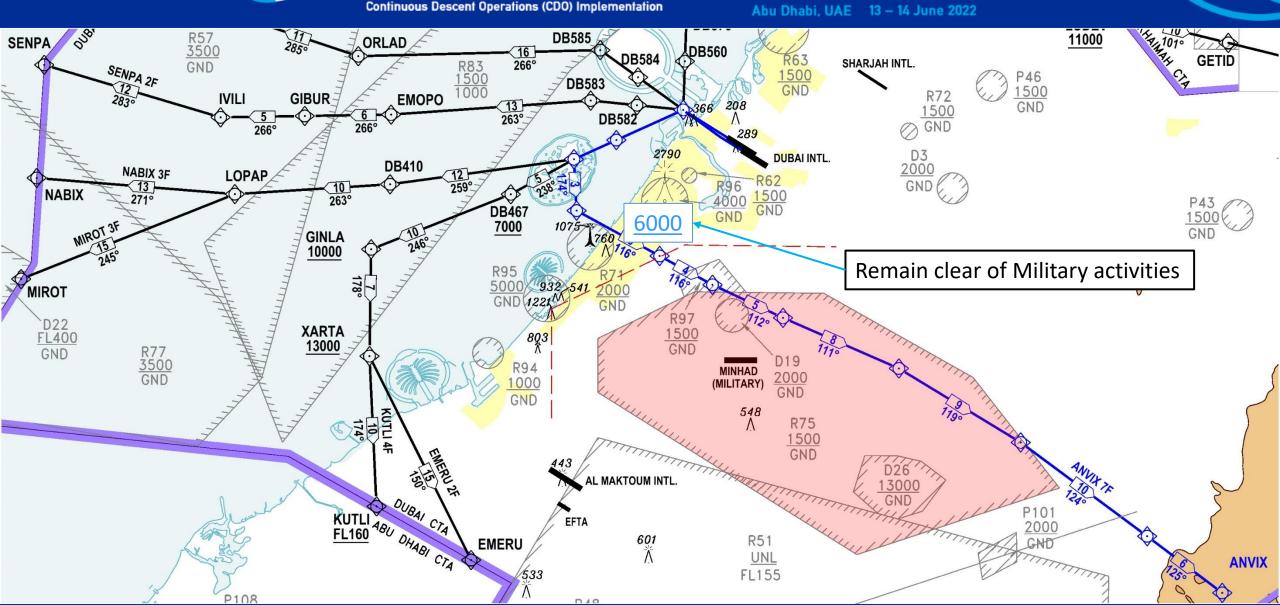


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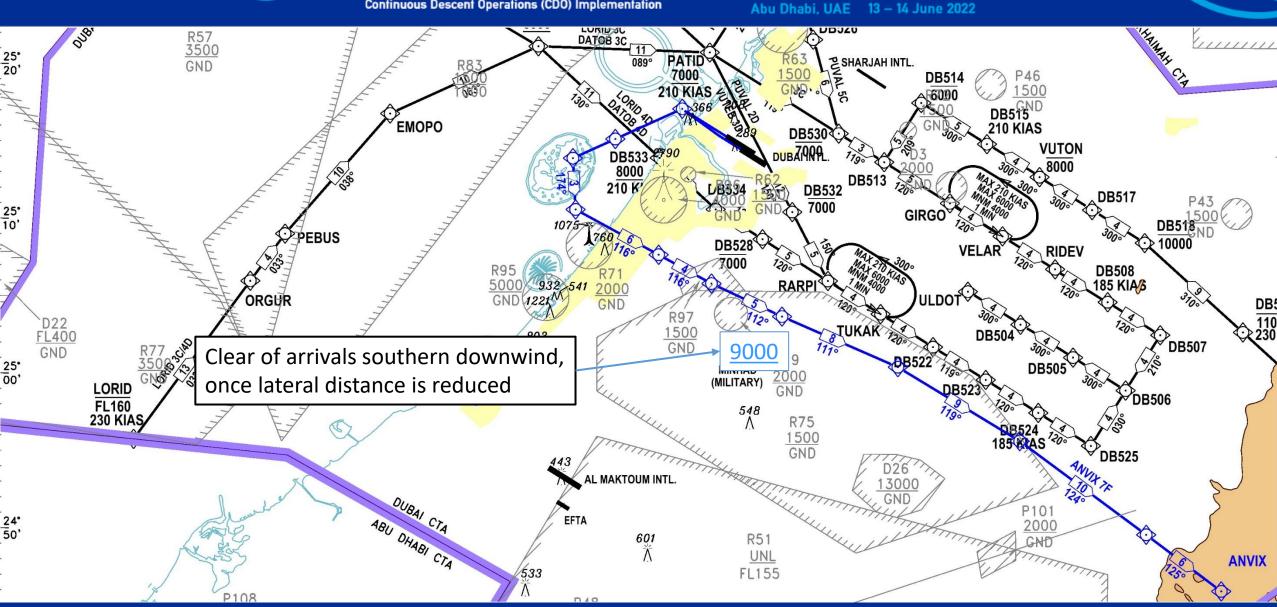






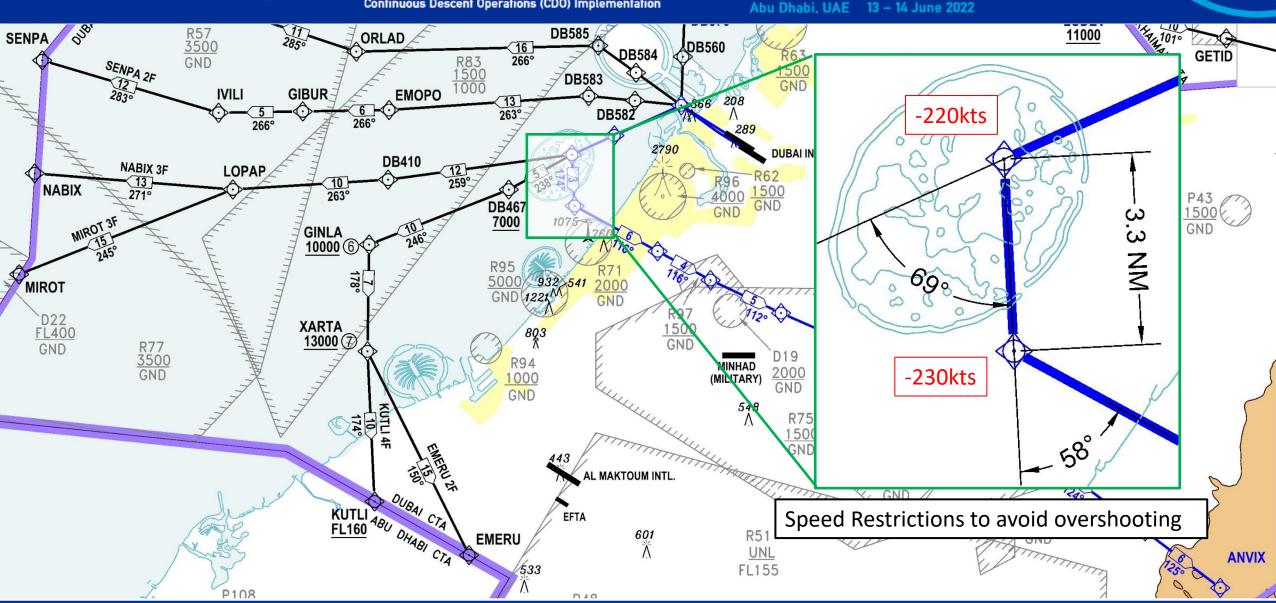








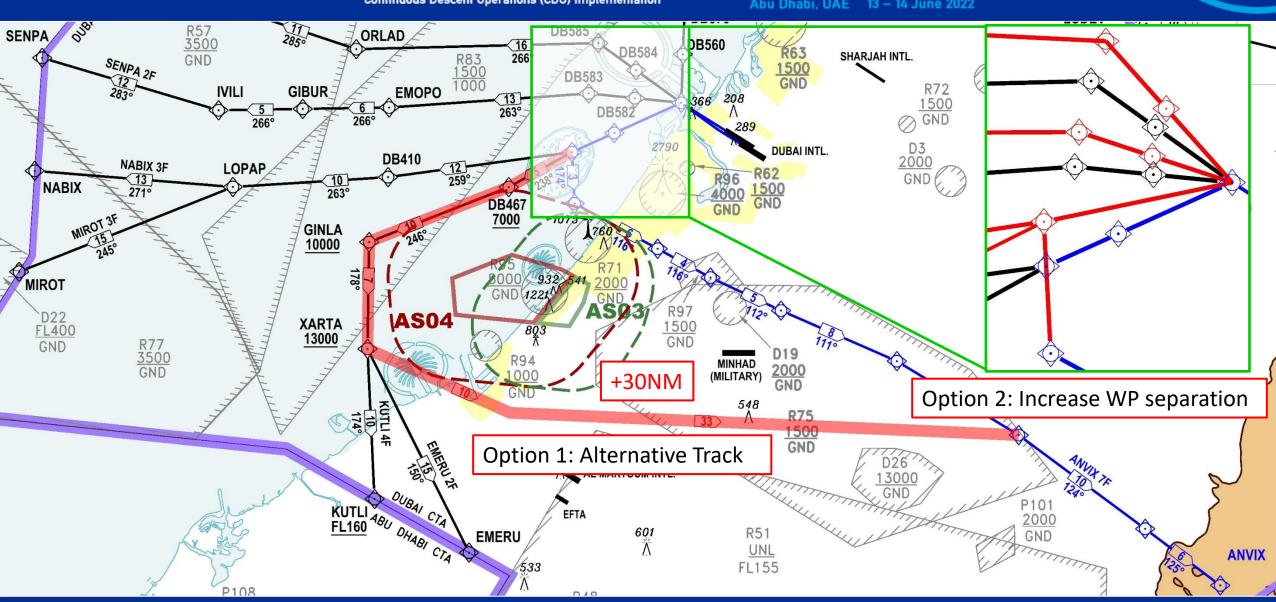






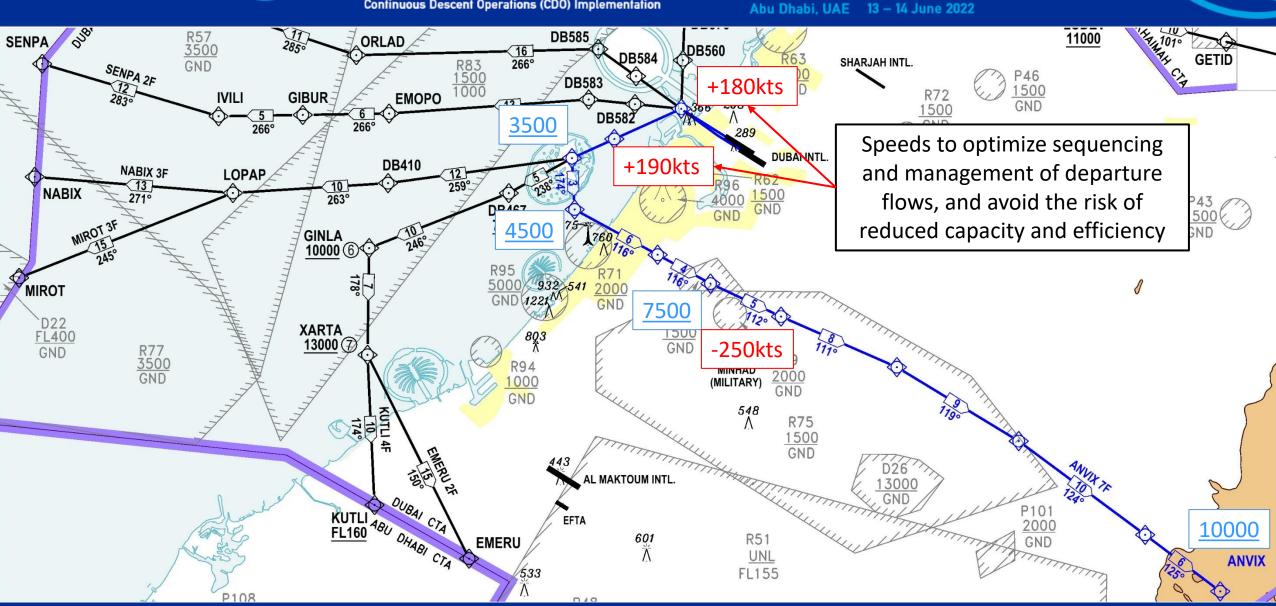


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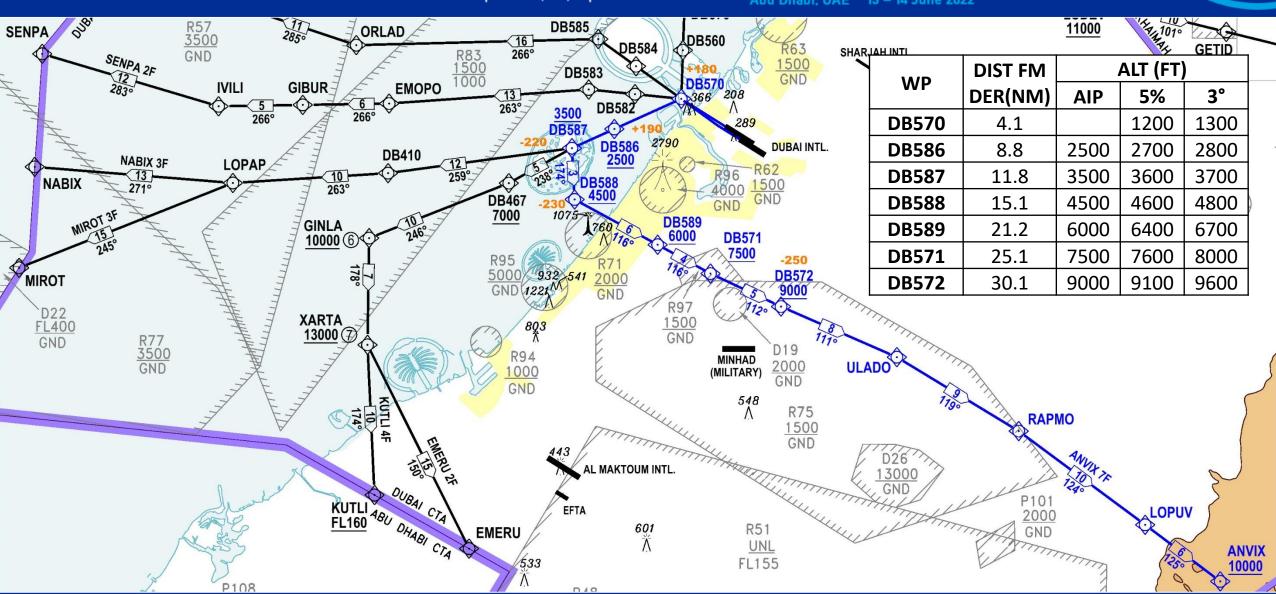








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#### **CCO** advantages

More fuel efficient operations

Reduction in both flight crew and controller workload through the design of procedures, requiring less ATC intervention

Reduction in the number of required radio transmissions

Cost savings and environmental benefits through reduced fuel burn and potential aircraft noise mitigation through thrust and height optimization;

Potential authorization of operations where noise limitations would otherwise result in operations being curtailed or restricted.





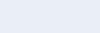






#### **Strategic Airspace concepts**

Safety



Capacity

Efficiency

Access

Environment















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## **THANK YOU**

