

The ADS-B Webinar



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AGENDA

- Background
- Equipment mandates
- Publications
- Operational management
- Lessons learned



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Background – Airspace Restructuring

Phase 1
The UAE Airspace Study
(Completed 2013)

Phase 2
The ATM System Design
(Completed 2015)

Phase 3
Implementation
(ARP-3 Completed 2017)

Phase 4
Post Implementation Review
(2018)



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Equipment mandates

GNSS is mandatory from 7th December 2017

Due to the limited ground based navigation infrastructure in the UAE, GNSS is the only sensor available to meet the RNAV-1 navigation specification.

Commercial operators of aircraft above 5700 kg shall not operate a airplane under IFR after 07 December 2017 unless it is equipped with GNSS equipment having the capabilities set out in AMC OPS 1.653: GNSS

SSR Transponders are mandatory from 7th December 2017

SSR Transponders having the capabilities set out in AMC OPS 1.866 are mandatory

ADS-B OUT is mandatory from 1st January 2020



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Publications

GNSS / ADS-B OUT / Transponder

CAR OPS 1 and CAR FOR (Foreign Operators).

- OPS 1.653: GNSS
- OPS 1.866: Transponder
- OPS 1.867: ADS-B OUT

INFORMATION BULLETIN 2017-20 - GNSS SSR TRANSPONDER AND ADS-B OUT MANDATES IN THE UAE - ISSUE 01

ADS-B NOTAM – A2567-20



Operational Management

Waiver and Exemptions

Requests for temporary waivers and exemptions managed internally – based on operational impact and hazard analyses.

Monthly statistics based on Flight plan data collected and analyzed to measure compliance

COVID-19 IMPACT

COVID restricted suppliers and manufacturers ability to schedule upgrades to operators fleet.

UAE A6 aircraft fully compliant

Some Foreign Operators unable to meet deadline

Implementation mandate postponed to 2 December 2021



Lessons learned

- Publish mandates early – give operators enough lead time
- Close coordination with Operators and ANSP's
- Establish clear procedures for managing exemptions and waivers
- Continuously monitor operator compliance
- Plan for non ADS-B OUT compliant operations (State aircraft)



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THANK YOU

