



## INFORMATION BULLETIN 2017-20

Issue 01

Date of Issue: 13<sup>th</sup> September 2017

### SUBJECT:

GNSS, SSR TRANSPONDER AND ADS-B OUT MANDATES IN THE UAE

### REFERENCE PUBLICATIONS:

[NPA 09-2014](#)

[NOTAM A1163/17](#)

### REASON:

In 2013, as part of its [UAE ATM Policy](#), the UAE commenced with a project to conduct a total review and restructure of the UAE airspace. To enhance UAE ATM capabilities, the UAE concluded that there was a need for new requirements to be introduced to mandate carriage of GNSS for aircraft of more than 5700 kg conducting IFR operations within the Emirates FIR.

These new requirements were first published in [NPA 09-2014](#) and maintained in CAR-OPS1 Issue 04 Revision 02. It was agreed by the industry that the entire network, ATS Route, SIDs and STARs, will be designed according to PBN RNAV 1 navigation specification and the lateral separation between route and between procedures will be specified accordingly.

The new network is expected to support the future traffic demand in UAE, and in addition provides the base for the development of future airspace concepts to support the traffic demand. The design of the new network is based on a PBN environment which provides for an increased number of solutions, compared to a conventional navigation environment.

It is important to mention that the formulated rule contained in [NPA 09-2014](#) have been promulgated into CAR-OPS1 for UAE operators and are yet to be incorporated into CAR-OPS3 and foreign operators regulations.

This Information Bulletin is issued to:

- Remind UAE and foreign Aircraft Operators about the cut-off date for GNSS, SSR Transponder and ADS-B OUT in the UAE;
- Inform that UAE GCAA will not exempt Aircraft Operators from those requirements, unless exceptional circumstances and if found acceptable by the GCAA.

### INFORMATION TOPICS:

#### [Topic No 01:](#)

(UAE and Foreign) Aircraft Operators engaged in operations within the Emirates FIR are reminded of the following:



- a) GNSS is mandatory from 7<sup>th</sup> December 2017;
- b) SSR Transponders having the capabilities set out in AMC OPS 1.866 are mandatory from 7<sup>th</sup> December 2017;
- c) ADS-B OUT is mandatory from 1<sup>st</sup> January 2020.

**Topic No. 02**

- (a) Requirements contained in [NPA 09-2014](#) are essential for the future need of UAE so it is essential that Aircraft Operators assess their readiness and apply a management of change process to ensure that aircraft are equipped, flight crews are notified and trained to the new UAE requirements.
- (b) Aircraft Operators not meeting those essential requirements must approach the GCAA to justify why the compliance with these new requirements cannot be achieved (knowing that the cost impact must not be the limiting factor). Such justification must be supported by a Safety Risk Assessment showing to the GCAA any equivalent level of safety. Exemptions will only be considered for exceptional circumstances and will be time limited.

**Note:** Air Operators are invited to regularly monitor the [UAE AIP](#) for latest update on Airspace change.

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