

MEMORANDUM CIRCULAR NO.: 020-17

TO

ALL CONCERNED

FROM

DIRECTOR GENERAL

SUBJECT

AMENDMENT TO PHILIPPINE CIVIL AVIATION

REGULATIONS - AIR NAVIGATION SERVICES (CAR-ANS)

PART 6 INCORPORATING AMENDMENT 87 TO ICAO

ANNEX 10 VOLUME 1

REFERENCE:

1. Philippine Civil Aviation Regulations- Air Navigation Services Part 6

2. ICAO Annex 10 Volume 1; Amendment 87

3. Regulations Amendment Procedures

4. Board Resolution No. 2012-054 dated 28 September 2012

Pursuant to the powers vested in me under the Republic Act 9497, otherwise known as the Civil Aviation Authority Act of 2008 and in accordance with the Board Resolution No.: 2012-054 dated 28 September 2012, I hereby approve the incorporation of ICAO Annex 10 Volume 1 Amendment No. 87 to the Philippine Civil Aviation Regulations – Air Navigation Services (CAR-ANS) Part 6.

ORIGINAL REGULATION SUBJECT FOR REVIEW AND REVISION:

CAR-ANS Part 6

6. SPECIFICATIONS FOR RADIO NAVIGATION AIDS

6.3.7.3.4.4.3 Signal power level.

3.7.3.4.4.3.1 Each SBAS satellite shall broadcast navigation signals with sufficient power such that, at all unobstructed locations near the ground from which the satellite is observed at an elevation angle of 5 degrees or higher, the level of the received RF signal at the output of a 3 dBi linearly polarized antenna is within the range of -161 dBW to -153 dBW for all antenna orientations orthogonal to the direction of propagation.

3.7.3.4.4.3.2 Each SBAS satellite placed in orbit after 31 December 2013 shall broadcast navigation signals with sufficient power such that, at all unobstructed locations near the ground from which the satellite is observed at or above the minimum elevation angle for which a trackable GEO signal needs to be provided, the level of the received RF signal at the output of the antenna specified in Appendix B, Table B-87, is at least -164.0 dBW.