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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 6364-2013

Replacing GB 6364-1986

**Electromagnetic environment requirements for aeronautical
radio navigation stations**

航空无线电导航台（站）电磁环境要求

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Foreword

All the technical contents of this standard is mandatory. This standard was drafted in accordance with GB/T 1.1-2009 given rules. This standard replaces GB 6364-1986 "aeronautical radio navigation station electromagnetic environment requirements." The main technical differences between standard and GB 6364-1986 are.

- Different stations (stations) in the electromagnetic environment requirements and general technical requirements to separate;
- Modification and improvement requirements localizer and glide path beacons overview and electromagnetic environment;
- Increased requirements for azimuth and elevation station station overview and electromagnetic environment;
- Increasing the decimeter range navigation station, decimeter course/DME beacon and decimeter decline beacons overview and electromagnetic environment Claim;
- Perfected without directional radio beacons, pointing beacon, VOR and DME station station electromagnetic environmental requirements;
- Modify the interference field strength measurement method, the detection method to unify rms detector;
- Modified field test method and basis;
- Appendix has been modified. The standard proposed by the Ministry of Industry and Information Technology of the People's Republic of China. The standard by the China Communications Standards Association. This standard was drafted. the Ministry of Industry and Information Technology and Telecommunications Research Institute, State Radio Monitoring Center, the Air Force Institute of communication equipment, China Second Civil Aviation Institute. The main drafters of this standard. Wei Tong, Du Xiaohui, Guo, Li, MDA in new Jia Yue, Wang has, Zhou Ke, Liao Jin, Wang Wei, Tang Enyu, Wang Kuan, whole

leaves home, Guo Lin, Li, Xiao Gimli, Lubing Song, Li Zhuofang, Yangmeng. This standard replaces the standards previously issued as follows:

--- GB 6364-1986. Aeronautical radionavigation stations (stations) Electromagnetic environment requirements

1 Scope

GB 6364-2013 is the Chinese national standard on electromagnetic environment requirements for aeronautical radio navigation stations, in the field of telecommunications and audio-video engineering. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 12 November 2013 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 July 2014. Classification: ICS 33.100, CCS L06. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies requirements for aeronautical radionavigation stations (stations) electromagnetic environment. This standard applies to all aeronautical radionavigation stations (stations), including non-directional radio beacons, FM directional station, localizer, down Beacon, beacon pointing, azimuth station, elevation station, omnidirectional beacons, range finder station, TACAN navigation station, decimeter range navigation station, decimeter Airlines To/DME beacon, decimeter decline beacons and precision approach radar.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 6113.101 radio disturbance and immunity measuring apparatus and methods - Part 1-1. Radio disturbance and anti- Interference measuring equipment measuring equipment

GB/T 6113.104 radio disturbance and immunity measuring apparatus and methods - Part 1-4. Radio disturbance and anti- Measuring equipment, auxiliary equipment interference radiation harassment YD/T 1633 EMC field test methods

3 Terms, definitions and abbreviations

3.1 Terms and Definitions The following terms and definitions apply to this document.

3.1.1 Protection spacing protectiondistance Radio for the protection of aeronautical radionavigation stations (stations) work properly prescribed transmitters and electromagnetic interference radiation to aeronautical radio guide The minimum distance between aircraft stations (stations) antenna.

3.1.2 Protection rate protectionratio Ensure receiving point signal strength and co-channel interference field strength minimum ratio navigation receiver device is working properly, in decibels (dB) FIG.

3.1.3 Obstacle obstacle Located radio signal radiated area of trees, hills, dams, buildings, high voltage transmission lines, roads, railways, metal fence, with the Eiffel Tower And other objects may cause signal reflections and radio interference.

3.2 Acronyms The following abbreviations apply to this document. DPSK differential phase shift keying (DifferentialPhaseShiftKeying)