

ANS/MET AND AERODROMES REGULATION DEPARTMENT

The ANS/Met and Aerodromes Department is responsible for safety oversight of air navigation services, Aerodromes and Meteorological Services provided for air navigation.

The Department is divided into two sections namely:

- a) Aerodromes inspectorate (Ground Operations)
- b) ANS/Met inspectorate

1. AERODROMES INSPECTORATE (GROUND OPERATIONS)

The role of the aerodromes inspectorate, also known as Ground Operations is to provide safety oversight of the aerodromes facility, ground aids, electric systems, installations including certification of the various categories of aerodromes and appropriate personnel as required for ensuring continued compliance with national regulations and international standards and practices.

Specifically, the role of the aerodromes inspectorate involves:

- a) Dealing with regulatory aspects relating to performance and condition of runways, taxiways and apron. This also includes serviceability of pavements and visual aids;
- b) Dealing with regulatory aspects relating to performance of visual aids, lightings and electrical systems. This also includes, ensuring maintenance performance level objectives for aerodromes visual aid are met in accordance with the standards;
- c) Dealing with regulatory aspects relating to effectiveness of and requirements for Rescue and Fire Fighting Services and Aerodrome Emergency Planning commensurate with the aerodrome category;
- d) Dealing with regulatory aspects relating to apron safety and management, movement areas, obstructions evaluation and marking;

Functions of Aerodromes Inspectorate

The regulatory functions of Aerodromes Inspectorate are guided by-

- ICAO Annex 14, Volumes 1 - Aerodromes & Volume 2 - Heliports and the related ICAO Documents
- The Civil Aviation (Aerodromes) Regulations 2008 as amended
- The KCAA Manual of Aerodrome Standards

- AGA Orders and Advisory Circulars
- Aerodromes Inspectors Handbook
- Other Manuals (Aerodrome Certification, Aerodromes Licensing, etc)

The functions involve:

- a) Carrying out efficient and effective safety oversight of aerodrome operations with the objective of enhancing safe operation of aircraft and to continually ensure compliance with national and international standards i.e. ICAO standards and recommended practices (SARPs) and industry best practices;
- b) Development of technical guidance materials for aerodrome operations, processes and procedures; and
- c) Development and recommendation of regulatory amendments to civil aviation legislations as appropriate.

Duties and Responsibilities of Aerodrome Inspectors

The duties and responsibilities of Aerodrome Inspectors are as follows;

- a) Conduct inspections for the certification/licensing of aerodromes in accordance with the regulations, standards and recommendations.
- b) Develop a suitable programme for the purpose of proposing the establishment, promulgation and amendments of;
 - i) Relevant aspects of State's Civil Aviation legislation such as Acts, Regulations, Orders and other instruments containing mandatory requirements;
 - ii) National aerodrome standards, guidance materials, processes and procedures for regulating all categories of aerodromes; and
 - iii) procedures and programmes for continuing aerodrome surveillance and implementation of relevant enforcement actions, where necessary;
- c) Ensure compliance with the provisions of the standards and recommended practices and other requirements specified in the KCAA Manual of Aerodrome Standards;
- d) Conduct audits of aerodrome operations in line with regulations and guiding in implementation of audit related action plans. Assess effectiveness of proposed corrective actions of operators including follow up on their implementation;
- e) Ensure Safety Management Systems and Aerodrome Manuals are developed and implemented by aerodrome operators in accordance with the State's Safety Programme (SSP) and the civil aviation regulations;

- f) Ensure effective implementation of Aerodrome Emergency Plan (AEP) and adequate control of obstacles within and in the vicinity of aerodromes and in accordance with regulatory requirements;
- g) Develop guidance materials including Advisory Circulars for different specialist areas as acceptable means for compliance with the Civil Aviation (Aerodromes) Regulations;
- h) As necessary, undertake audits and perform inspections to ensure serviceability of runway, taxiway and apron surfaces, ground aids and associated infrastructures;
- i) Conduct regular audits/inspections to ensure aerodrome operators compliance with the provision of primary and secondary power supply and that ground aids are continually serviceable and that lighting intensity is controlled in accordance with the maintenance performance level objectives;
- j) Conduct audits/inspections to ensure aerodrome operators comply with the regulatory requirements for marking and illuminating obstacles, both on the aerodrome and in the vicinity of aerodromes;
- k) Carry out safety oversight activities of the emergency services provided at aerodromes with the objective of enhancing safety, efficiency and regularity of air navigation and ensuring compliance with national and international standards;
- l) Ensure implementation of Aerodrome Emergency Plans commensurate with aerodrome level of protection and complexity of operations.

2. ANS/MET INSPECTORATE

The role of the ANS/Met inspectorate is to provide safety oversight of air traffic services, search and rescue services, communication/navigation and surveillance services, aeronautical information services/MAP, PANS-OPS/Instrument Flight Procedures, meteorological services provided for air navigation and appropriate personnel as required for ensuring continued compliance with national regulations and international standards and practices.

Specifically, the role of the air navigation services inspectorate involves:

- a) Dealing with regulatory aspects relating to provision of air traffic services. This includes ensuring safety of the services in accordance with safety ATS safety management system requirements;
- b) Dealing with regulatory aspects relating to provision of search and rescue services.
- c) Dealing with regulatory aspects relating to provision of communication, navigation and surveillance (CNS) systems. This includes, ensuring maintenance performance level objectives for CNS systems are met in accordance with prescribed standards;

- d) Dealing with regulatory aspects relating to provision of aeronautical information services. This includes provision of maps and charts and establishment of AIS quality system;
- e) Dealing with regulatory aspects relating to PANS-OPS/Instrument Flight Procedures developed by the ANS providers;
- f) Dealing with regulatory aspects relating to provision of meteorological services for air navigation.

Functions of Air Navigation Services/Met Inspectorate

The regulatory functions of the ANS/Met Inspectorate are guided by-

- ICAO Annexes 2,3,4,5,10,11,12,15
- The Civil Aviation (Air Navigation Services) Regulations 2008 as amended
- The KCAA Manual of ANS Standards
- ANS Orders and Advisory Circulars
- ANS Inspectors' Handbook
- Other Manuals

The functions involve:

- a) Carrying out efficient and effective safety oversight of air navigation services operations with the objective of enhancing safe operation of aircraft and to continually ensure compliance with national and international standards i.e. ICAO standards and recommended practices (SARPs) and industry best practices;
- b) Development of technical guidance materials for air navigation services operations, processes and procedures; and
- c) Development and recommendation of regulatory amendments to civil aviation legislations as appropriate.

Duties and Responsibilities of ANS/Met Inspectors

The duties and responsibilities of ANS/Met Inspectors are as follows;

- a) Conduct inspections for the certification of ANS Providers in accordance with the regulations, standards and recommendations.
- b) Develop a suitable programme for the purpose of proposing the establishment, promulgation and amendments of;

- i) Relevant aspects of the Civil Aviation legislation including the Civil Aviation Act, Regulations, Orders and other instruments containing mandatory requirements;
 - ii) National aerodrome standards, guidance materials, processes and procedures for regulating air navigation services and aviation meteorology; and
 - iii) Procedures and programmes for continuing air navigation services and aviation meteorology surveillance and implementation of relevant enforcement actions, where necessary;
- c) Ensure compliance with the provisions of the standards and recommended practices and other requirements specified in the KCAA Manual of ANS Standards;
- d) Conduct audits of ANS operations in line with regulations and guiding in implementation of audit related action plans. Assess effectiveness of proposed corrective actions of ANSPs including follow up on their implementation;
- e) Ensure of Safety Management System and the Manual of ANS Operations are developed and implemented by the service providers in accordance with the State's Safety Programme (SSP) and the civil aviation regulations;
- f) Develop guidance materials including Advisory Circulars for different specialist areas as acceptable means for compliance with the Civil Aviation (ANS) Regulations;
- g) Conduct regular audits/inspections to ensure ATM and SAR facilities comply with prescribed standards and meet required safety level objectives;
- h) Conduct regular audits/inspections to ensure Communication, Navigation and Surveillance systems comply with prescribed standards and meet required performance level objectives;
- i) Conduct regular audits/inspections to ensure AIS/MAP services comply with prescribed standards and meet required quality and performance level objectives;
- j) Conduct regular audits/inspections to ensure Meteorological services provided for air navigation comply with prescribed standards and meet required quality and performance level objectives;
- k) Carry out safety oversight activities of all ANS related activities with the objective of enhancing safety, efficiency and regularity of air navigation and ensuring compliance with national and international standards;