



**GOVERNMENT OF INDIA
CIVIL AVIATION DEPARTMENT
O/O DIRECTOR GENERAL OF CIVIL AVIATION**

**AD AC NO. 3 of 2009
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AERODROME ADVISORY CIRCULAR

**SUBJECT : EQUIPMENTS FOR AERODROME STANDARDIZATION
PERSONNEL AT LICENSED AERODROMES.**

A. INTRODUCTION

The personnel employed by the aerodrome license holders for compliance of standards as well as involved in periodic inspection/ internal audit under SMS, are required to ensure that all facilities at the aerodrome are maintained in accordance with the standards and in acceptable manner. In addition, when new facility is commissioned or re-commissioned after a change, the personnel responsible for commissioning are also required to verify that the job has been done as per the scope of work and approved plan, before initiating the commissioning procedure.

During the general or specific inspections of the operational area and facilities, the officials are also required to assess depression on runway, water depth on runway, measurement of runway surface friction value, measurement of luminescence value of the runway lights etc.

Similarly the personnel responsible for the aerodrome safeguarding, maintain vigil on construction activities around the aerodrome in order to protect obstacles limitation surfaces. It has been observed that these officials take photographs of such construction and forward them to the concerned authorities without making an assessment of effect of such construction on relevant obstacle limitation surface. It is essential that officials are equipped with proper tools for making desired assessment for initiating necessary corrective action.

B. EQUIPMENTS FOR ENSURING STANDARDIZATION:

For effectively discharging the functions, the officials assigned with above responsibilities are therefore required to be equipped with appropriate tools to facilitate their functioning in a smooth and effective manner.

Considering above requirement, equipment which are needed to be maintained at an aerodrome with its standardization cell /unit officials are listed below;

1. Pedometer (Measuring Wheel); Measuring tapes
2. Straight edge and wedge
3. Compass Magnetic
4. Global positioning System (GPS)
5. Binoculars
6. Abney level (for assessment of obstacles)
7. Clinometer's with spirit level (for calibration of PAPI)
8. Photometer (measuring luminescence of lights for CAT II & III airports)
9. Runway surface friction tester/ mu-meter (as per aircraft movement requirement)
10. Any other equipment considered necessary depending on requirement of any particular aerodrome facility.

C. AVIALABILITY OF EQUIPMENTS:

All aerodrome operators, especially those licensed under Public Use category are advised to maintain above equipment for the smooth functioning of the officials responsible at their aerodrome to ensure compliance of standards.

These equipments maintained by the license holder shall also be inspected for availability during the inspections by DGCA officials and its designated surveillance inspectors and whenever required may also be used by them for verification purposes during inspections.

Sd/-
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