

(PREVIEW)

## *Indian Standard*

# **AERIAL DEVICES WITH INSULATING BOOM USED FOR LIVE WORKING**

### **SECTION 1 - GENERAL**

#### **1 Scope**

This standard is applicable to aerial devices (mobile elevating work platforms [MEWP]), with or without the possibility of an additional jib, as a minimum with an insulating upper boom (extending structure), used for live working on the nominal voltage, which is between 1 kV r.m.s. and 800 kV r.m.s., at power frequency.

The application of some parts of this standard to d.c. systems is still under consideration.

This standard specifies:

- the specialized technical characteristics, tests and checks of the insulating parts (boom, extending structure, transmission of controls along the boom, work platform, bucket, accessories, jibs, etc.) required for live working;
- the technical characteristics, tests and checks of conducting parts, the conductive properties which are essential for positioning near to, or at, the potential of the live element (part) to be worked on;
- the special characteristics which are not necessarily subjected to test, but which are fundamental for ensuring the safety and precision essential to safe working on live parts.

Excluded from this standard, but to be observed

- specifications applicable to all kinds of aerial devices (mobile elevated work platforms) which are covered by applicable international standards or national regulations, for example design, calculations, stability requirements, roadway code, employment regulations, etc.;
- specifications for those parts of the aerial device (carrier, etc.) not specific to live working;
- specifications for personnel electrostatic shielding equipment (the user should provide adequate shielding equipment in accordance with national regulations).