

**SUBJECT: DRAFT INTRODUCTION AND SCOPE
STANDARDS INTERPRETATION DOCUMENT SID002
EARTHING OF CABINETS/FRAMES/RACKS**

The following text is the draft Introduction and Scope prepared by the Project Leader, Tim Oldershaw, as a precursor to the "Call For Interest" within the wider membership of the TIA-B.

INTRODUCTION

The earthing of telecommunications infrastructures is handled in a number of standards, all of which are applicable in the United Kingdom, but most of these address the topic from a specific viewpoint and can appear contradictory.

With regard to the earthing of cabinets/frames/racks containing, or intended to contain, telecommunications equipment and cabling, installers need to have clear guidance based on accurate interpretation of these standards which is endorsed by the relevant standard bodies.

This Telecommunications Infrastructure Advisory Board SID contains interpretation of published standards covering the earthing arrangements for cabinets/frames/racks containing, or intended to contain, telecommunications equipment and cabling:

- explains the circumstances under which earthing is required;
- provides guidance to the minimum requirements for protective earth conductors;
- allows users, consultants and installers to identify any potential or actual non-compliance with the published standards and act accordingly.

The specific standards subject to interpretation within the document are BS 6701:2004, BS EN 50174-1:2001 and BS EN 50174-2 in combination with BIP 0007 (published by BSI and available free-of-charge to FIA and ECA members) together with electrical system standards HD 60364-5-54 and BS 7671.

This document provides interpretation of published standards which is intended to be submitted to checking and endorsement by the BSI Technical Committee, or equivalent, responsible for the production of the standards that are subject to TIA-B interpretation.

SCOPE

This Telecommunications Infrastructure Advisory Board SID contains interpretation of published standards covering the earthing arrangements for telecommunication cabling infrastructures,

This Telecommunications Infrastructure Advisory Board SID contains interpretation of the following published standards covering earthing arrangements of cabinets/frames/racks containing, or intended to contain, telecommunications equipment and cabling:

- BS 6701:2004;
- BS EN 50174-1;
- BS EN 50174-2;
- BS EN 50310:2006
- HD 60364-5-54;
- BS 7671:2001;
- BS BIP 0007.