

**SUBJECT: DRAFT INTRODUCTION AND SCOPE
STANDARDS INTERPRETATION DOCUMENT SID001
CLARIFICATION OF THE CURRENT REQUIREMENTS AND
RECOMMENDATIONS CONCERNING THE SEGREGATION OF
TELECOMMUNICATIONS AND MAINS POWER CABLING**

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

INTRODUCTION

The segregation of mains power cabling and telecommunications cabling containing metallic structural and/or signalling elements requires the consideration of safety, protection and electromagnetic interference. These aspects are addressed by different national standards and this document seeks to consolidate the requirements and recommendations of those standards within a simple reference document.

It is not uncommon for aspects of the segregation requirements to be in conflict with the needs of the building infrastructure due to lack of space or competing demands for the available space. As a result the installer of the telecommunications and/or mains power cabling is unable to comply with the published standards, despite those standards being a contractual and/or legal requirement.

This Telecommunications Infrastructure Advisory Board SID contains interpretation of published standards covering the planning and installation of telecommunication cabling infrastructures, explains the consolidated requirements and recommendations in relation to segregation of telecommunications and mains power cabling and provides:

- users with guidance in relation to sizing of pathways and spaces and long-term management of cabling within them;
- consultants with guidance in relation to the location and construction of pathways and pathway (cable management) systems;
- installers with the ability 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 and BS EN 50174-2:2001 in combination with BIP 0007 (published by BSI and available free-of-charge to FIA and ECA members).

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 the following published standards covering segregation of mains power cabling and telecommunications cabling containing metallic structural and/or signalling elements:

- BS 6701:2004;
- BS EN 50174-2;
- BS BIP 0007.