

Multimedia security — Guideline for privacy protection of equipment and systems in and out of use —

Part 1: General

ICS 33.160.60; 35.040

National foreword

This Draft for Development was published by BSI. It is the UK implementation of IEC TS 62045-1:2006.

This publication is not to be regarded as a British Standard.

It is being issued in the Draft for Development series of publications and is of a provisional nature. It should be applied on this provisional basis, so that information and experience of its practical application can be obtained.

Comments arising from the use of this Draft for Development are requested so that UK experience can be reported to the international organization responsible for its conversion to an international standard. A review of this publication will be initiated not later than 3 years after its publication by the international organization so that a decision can be taken on its status. Notification of the start of the review period will be made in an announcement in the appropriate issue of *Update Standards*.

According to the replies received by the end of the review period, the responsible BSI Committee will decide whether to support the conversion into an international Standard, to extend the life of the Technical Specification or to withdraw it. Comments should be sent to the Secretary of the responsible BSI Technical Committee at British Standards House, 389 Chiswick High Road, London W4 4AL.

The UK participation in its preparation was entrusted to Technical Committee EPL/100, Audio, video and multimedia systems and equipment.

A list of organizations represented on EPL/100 can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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INTRODUCTION

There has been an increase in consumer products of multimedia that store the user's private data and privacy information. For instance, a digital TV tuner has a kind of IC card which stores the user's information and sometimes includes credit information. Also, from a wider viewpoint, digital cameras or digital video recorders store the private data of users, and digital audio players, cellular phones and PCs are banks of private data.

This private information should be protected from unauthorized or illegal access and use.

When the user discards such products, private data remains stored and this should be protected or deleted. In addition, when a user lends his product to others, private information should be protected. For instance, even if all the contents in the memory of digital video recorders or digital cameras are deleted, these data can be recovered easily with some software technology.

As consumer products of multimedia include storage and computer architecture, this problem will be raised in many aspects of usage. All products should have privacy protection methods.

This technical specification describes the system model and general methods for the user's privacy protection of data storage, equipment and systems, both in and out of use. Equipment and systems have their own structure in each application, therefore, the other part of this technical specification defines a dedicated method for privacy protection for the specific application. Also, the implementation of the privacy protection method depends on each design.