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Triggering messages for broadcast applications –

Part 1: Format

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

TRIGGERING MESSAGES FOR BROADCAST APPLICATIONS –

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FOREWORD

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International Standard IEC 62297-1 has been prepared by IEC technical committee 100: Audio, video and multimedia systems and equipment.

The text of this standard is based on the following documents:

FDIS	Report on voting
100/910/FDIS	100/949/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

IEC 62297 consists of the following parts, under the general title *Triggering messages for broadcast applications*:

Part 1: Format

Part 2: Transport methods

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under <http://webstore.iec.ch> in the data related to the specific publication. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.

INTRODUCTION

Emerging data broadcasting specifications allow a service provider to **trigger** an **application** in a TV receiver. This International Standard specifies the format of a triggering message for TV broadcasting as based on the requirements defined in Annex A. Examples of possible use include displaying information to warn for severe weather conditions or to give rating advice for extreme content in TV programmes. In an interactive system, a message or icon might be displayed inviting on-line access to vote, to register an interest in an advertised product, or to browse programme-related content.

This standard describes a trigger mechanism for teletext transmission methods. The trigger mechanism can also be used for services broadcast via MPEG-2 DSM-CC sections. For the purposes of this standard, a **trigger** is defined as information sent from a service provider as part of a data broadcasting transmission and intended to control an **application** in a TV receiver. Additional information can be supplied along with the basic **trigger** to allow filtering or prioritization techniques to be applied at the receiver. The transmission aspects of trigger messages are specified in IEC 62297-2.

This trigger mechanism is very similar to the one defined in IEC/PAS 62292. The difference lies primarily in different state models, semantics and attribute names.

TRIGGERING MESSAGES FOR BROADCAST APPLICATIONS –

Part 1: Format

1 Scope

This part of IEC 62297 specifies an application-triggering scheme for TV broadcasting information sent from a service provider as part of a data broadcasting transmission and intended to control an **application** in a receiver.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 8859-1, *Information technology – 8-bit single-byte coded graphic character sets – Part 1: Latin alphabet No. 1*

ETSI TS 101 231, *Television systems; Register of Country and Network Identification (CNI), Video Programming System (VPS) codes and Application codes for Teletext based systems*

ETSI EN 300 706, *Enhanced Teletext Specification*