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INTERNATIONAL ELECTROTECHNICAL COMMISSION

MULTIMEDIA SYSTEMS AND EQUIPMENT – MULTIMEDIA HOME SERVER SYSTEMS– VOCABULARY OF HOME SERVER

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International Standard IEC 61925 has been prepared by Technical Area 8: Multimedia home server systems, of IEC technical committee 100: Audio, video and multimedia systems and equipment.

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

Enquiry draft	Report on voting
100/935/CDV	100/1006/RVC

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.

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- withdrawn;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

Some consumer electronics companies are developing home server systems and service, but their vocabularies of home server systems are different from each other. In order to start a discussion on home server systems, it is necessary to standardize the vocabulary of home servers. This standardization is also important for users in order to operate the home server system easily.

MULTIMEDIA SYSTEMS AND EQUIPMENT – MULTIMEDIA HOME SERVER SYSTEMS– VOCABULARY OF HOME SERVER

1 Scope

This International Standard defines the vocabulary of a home server for multimedia home server systems. Its intended use is to assist user interface designers and editors of product documentation by defining standard terms for the new commands and functions that home servers offer.

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.

IEC 62318:2003, *Multimedia systems and equipment – Multimedia home server systems – Home server conceptual model*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1 User commands of home server

3.1.1 Record stream commands

3.1.1.1

auto renewal recording

recording the most recent episode of a specified TV show over the previous one

NOTE A user can automatically record an episode of a specified TV show either every day or every week directly onto the hard disk, with the most recent episode being recorded right over the previous one. If the previous episode is being played back while the new one is being recorded, the new episode will be recorded onto a different section of the hard disk.

3.1.1.2

recording mode

mode varying quality and length in recording

NOTE A user can set one of different recording modes, each varying in recording quality and length. For example, LP (Long-Play) mode yields the most recording time, SP (Standard-Play) modes provide less recording time with higher quality recording, and XP (eXcellent-Play) mode gives the highest quality recording.

3.1.1.3

show free volume

show the remaining recordable volume on the recording medium

NOTE The remaining volume is shown with recordable time.

3.1.2 Playback stream commands

3.1.2.1

digest playback

playback at a shorter time than that in which the content can be understood

NOTE An image of the recorded programme playback at double speed and a voice of the recorded programme playback by regenerating normal speed.

3.1.2.2

fast backward

playback backward at higher speed than normal play

3.1.2.3

fast forward

playback forward at higher speed than normal play

3.1.2.4

pause

pause recording process or playback process

3.1.2.5

repeat

playback the same stream or the same scene repeatedly

3.1.2.6

replay

jump playback point to the past point that is the fixed time before the present

3.1.2.7

skip

jump playback point to the next index point

3.1.2.8

slow backward

playback backward at lower speed than normal play

3.1.2.9

slow forward

playback forward at lower speed than normal-play

3.1.3 Edit stream commands

3.1.3.1

combine

combine two recorded streams into one piece

3.1.3.2

divide

divide one recorded stream into two pieces

3.1.3.3

playlist

user-edited scenes list

NOTE A user can perform simple non-linear video editing, such as rearranging the order of scenes, skipping over unwanted scenes, or copying selections, to create custom playlists of favourite scenes on a disc.

3.1.4 Manage stream commands

3.1.4.1

delete

delete a recorded stream from a recording medium

3.1.4.2

dubbing

copying a stream that has previously been recorded on a disc to another disc

3.1.4.3

move

moving a stream that has previously been recorded on a disc to another disc

NOTE In the moving process, the original stream should be deleted.

3.1.4.4

protect

protect from deleting a recorded stream by mistake

3.1.5 Show photos commands

3.1.5.1

thumbnail

presentation for many reduced photo images on the screen top

3.1.5.2

slide-show

presentation for photos in sequence at fixed intervals

3.1.6 Display list commands

3.1.6.1

chapter list

list of chapters in a recorded stream on the screen top

NOTE A recorded stream consists of one or more chapters. Chapters can be automatically created during stream recording, or a user can create them after stream recording.

3.1.6.2

thumbnail list

list of reduced images that represent the scenes of recorded material displayed for selection

3.1.6.3

title list

list of recorded TV programme titles on the screen top

3.2 Equipment functions of home server

3.2.1

broadcasting for storage

broadcasting for storage of contents on the hard disk; a user can watch the content by playback from the hard disk

3.2.2

chasing playback

playback the live programme in progress from any past point while continuing to record the programme

NOTE A user no longer has to wait for an entire programme to be recorded before watching it from beginning to end. With this function, the user can skip back to watch a programme currently being recorded from any point that has already been recorded while continuing to record the live programme in progress.

3.2.3

loop recording

repeated and uninterrupted recording for a certain fixed period of time

NOTE The data is overwritten at the recording start point when the fixed time has elapsed.

3.2.4

multi-scenario contents

TV programme which consists of more than one scenario that develops according to the user's choice

3.2.5

multi-view contents

TV programme which consists of more than one video/audio stream

NOTE For example baseball = videos from different angles and same audio, or golf = different holes (different video and audio).

3.2.6

playlist playback

playback according to the playlist

3.2.7

relief recording

recording onto the hard disk if there is not enough disc space in the optical disc

NOTE The remaining disc space before recording onto an optical disc is checked, and, if there is not enough disc space, the entire programme gets recorded onto the hard disk. This function also works if you have chosen to record a programme and forgotten to insert a disc.

3.2.8

resource optimized recording

recording with the best picture quality possible for the recording time and remaining space on the disc

3.2.9

resume playback

start to playback from a previous stop point

3.2.10

seamless playback

playback two recorded programmes without an interval

3.2.11

simultaneous recording and playback

recording a programme onto a disc while watching any other programme that has previously been recorded on the same disc

3.2.12

skip-back recording

recording that begins at a fixed time prior to the recording start operation

NOTE This is used for recording what begins immediately before the occurrence of an event. An example of an event is a home run in the baseball game under broadcasting.

Bibliography

The following documents have served as references in the preparation of this standard.

- [1] 1394TA Specification No. 2001012, AV/C Digital Interface Command Set General Specification Version 4.1, 2001.
 - [2] CEA Standard CEA-931-B, Remote Control Command Pass-through Standard for Home Networking, 2003-09.
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