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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 28513-2012

**Application profile -- Sign language and lip-reading real-time
conversation using low bit-rate video communication**

使用低比特率视频通信的手语和唇读实时会话应用配置

(English Translation)

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Foreword

This standard rule according to GB/T 1.1-2009 given draft.

This standard uses redrafted law revision using ITU-T H.supp1 "low bit rate video communication using sign language and lip-reading real-time will Application Configuration words "(1999, in English).

This standard ITU-T H.supp1 (1999 English edition) compared to basically the same in structure, the main difference is that the content on mining with the Chinese sign language and lip reading and China sign language video sequences recorded video test content, while ITU-T H.supp1 (1999 English edition) the corresponding content is English sign language and lip reading.

The standard proposed by the Ministry of Industry and Information Technology of the People's Republic of China.

The standard by the China Communications Standards Association.

This standard was drafted. the Ministry of Industry and Information Technology and

Telecommunications Research Institute, Mudanjiang City, Heilongjiang Province, special education schools, school Guangzhou Disabled Hospital, China Radio and Television University.

1 Scope

This standard specifies the use of sign language and lip reading with or without readable speech, person to person video communication system for a session required Characteristics to ensure the success of the session gives the desired performance requirements, describes a method of sign language and lip reading performance evaluation.

This standard is recommended in addition to factors related to video encoding protocol should also be considered. The terminal design, and used sign language and lip reading terminal the use of the environment, including the assessment of the sign language video test sequence of video communications.

This standard applies to the use of sign language and lip reading with or without readable voice for conversation person to person video communication system development, Production, application and acceptance testing.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated edition applies to this article Member. For undated references, the latest edition (including any amendments) used in the present document.

ITU-TG.114 one-way transmission time (One-waytransmissiontime) ITU-TP.931 multimedia communications delay, synchronization and frame rate measurement (Multimediacommunicationsdelay, synchro-nizationandframeratemeasurement) ITU-TT.140 text Session Protocol (Protocolformultimediaapplicationtextconversation)

3 Terms and Definitions

The following terms and definitions apply to this document.

Frame frame

The video reproducing a complete image is called a "frame." In some systems, a frame consists of two half-images, each image frame comprising Half of the information. These semi-images become a "field."

4 Abbreviations

The following abbreviations apply to this document.

CIF CommonInterchangeFormat (352 x 288pixels) common interchange format (352 x 288 pixels) fps framespersecond; picturespersecond frames per second; images per second
QCIF QuarterCIF (176 x 144pixels) quarter-CIF (176 x 144 pixels) SQCIF SubQCIF (112 x 96pixels) sub-QCIF (112 x 96 pixels) VHS VHS VideoHomeSyetem