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## Foreword

This European Telecommunication Standard (ETS) has been prepared by the Human Factors (HF) Technical Committee of the European Telecommunications Standards Institute (ETSI).

The following organizations have contributed to the preparation of this ETS either by providing pictogram proposals, or by supporting the evaluation process of pictograms:

- Aéroclub of the EC, Bruxelles (B);
- CSELT, Torino (I);
- Dansk Teknologicenter, Århus (DK);
- Deutsches Institut für Normung, DIN, Berlin (D);
- Ericsson Business Communication AB, Tyresö (S);
- Ferris Associates, Bishop's Stortford (GB);
- Foundation of Research and Technology, Iraklio, Kreta (GR);
- Frystyk Consult, København (DK);
- Fondazione Ugo Bordoni, Roma (I);
- Heinrich-Hertz-Institut, Berlin (D);
- HUSAT, Loughborough (GB);
- Nomos Management AB, Danderyd (S);
- Philips Corporate Design, Eindhoven (NL);
- ALCATEL SEL, Forschungszentrum Stuttgart (D);
- Teledirektoratets Forskningsavdeling (Norwegian Telecom), Kjeller (N);
- Telefónica de España, Investigación y Desarrollo, Madrid (E).

## Introduction

This ETS defines pictograms for representing eight point-to-point videotelephony functions. The eight functions are:

- a) VIDEOPHONE / TELEPHONE (switching between videophone and telephone modes);
- b) VIDEOPHONE CAMERA ON / OFF (turning on and off the transmission of the camera signal);
- c) VIDEOPHONE MICROPHONE ON / OFF (turning on and off the transmission of the microphone signal);
- d) VIDEOPHONE SELFVIEW ON / OFF (turning on and off the selfview function);
- e) VIDEOPHONE STILL PICTURE ON / OFF (turning on and off the still picture function (screen freeze));
- f) VIDEOPHONE DOCUMENT CAMERA ON / OFF (switching on and off the document camera);
- g) VIDEOPHONE HANDSFREE ON / OFF (switching on and off the handsfree mode);
- h) VIDEOPHONE LOUDSPEAKING ON / OFF (switching on and off the loudspeaking mode).

The pictograms have been recommended on the basis of an empirical evaluation study of several pictogram sets. The evaluation study has been carried out in eight European countries in order to take into account possible cultural and linguistic differences. The testing method used was the Multiple Index Approach (MIA) for the evaluation of pictograms (as described in ETR 070 [1]). The results of the study are reported in ETR 113 [2].

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## 1 Scope

This ETS defines pictograms for representing eight point-to-point videotelephony functions.

- a) VIDEOPHONE / TELEPHONE;
- b) VIDEOPHONE CAMERA ON / OFF;
- c) VIDEOPHONE MICROPHONE ON / OFF;
- d) VIDEOPHONE SELFVIEW ON / OFF;
- e) VIDEOPHONE STILL PICTURE ON / OFF;
- f) VIDEOPHONE DOCUMENT CAMERA ON / OFF;
- g) VIDEOPHONE HANDSFREE ON / OFF;
- h) VIDEOPHONE LOUDSPEAKING ON / OFF.

## 2 Normative references

This ETS incorporates by dated and undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this ETS only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

- [1] ETR 070 (1993): "Human Factors (HF); The Multiple Index Approach (MIA) for the evaluation of pictograms".
- [2] ETR 113 (1993): "Human Factors (HF); Results of an Evaluation Study of pictograms for point-to-point videotelephony".
- [3] CCITT Recommendation P.10 (1988): "Vocabulary of terms on telephone transmission quality and telephone sets".

## 3 Definitions

For the purposes of this ETS, the following definitions of videophone functions apply:

**Videophone / Telephone:** In videotelephony, for switching between videophone (sound and picture) and telephone (sound only) modes.

**Videophone Camera on/off:** In videotelephony, for switching on and off the transmission of the camera signal.

**Videophone Microphone on/off:** In videotelephony, for switching on and off the transmission of the microphone signal.

**Videophone Selfview on/off:** In videotelephony, for switching on and off the selfview function.

**Videophone Still Picture on/off:** In videotelephony, for switching on and off the still picture function (screen freeze).

**Videophone Document Camera on/off:** In videotelephony, for switching on and off the document camera.

**Videophone Handsfree on/off:** In videotelephony, for switching on and off the handsfree mode.

**handsfree mode:** A telephone set using a loudspeaker associated with an amplifier as a telephone receiver and which may be used without a handset (see CCITT Recommendation P.10 [3]).

**Videophone Loudspeaking on/off:** In videotelephony, for switching on and off the loudspeaking mode.

**loudspeaking mode:** A telephone set using a loudspeaker associated with an amplifier as a telephone receiver (see CCITT Recommendation P.10 [3]).


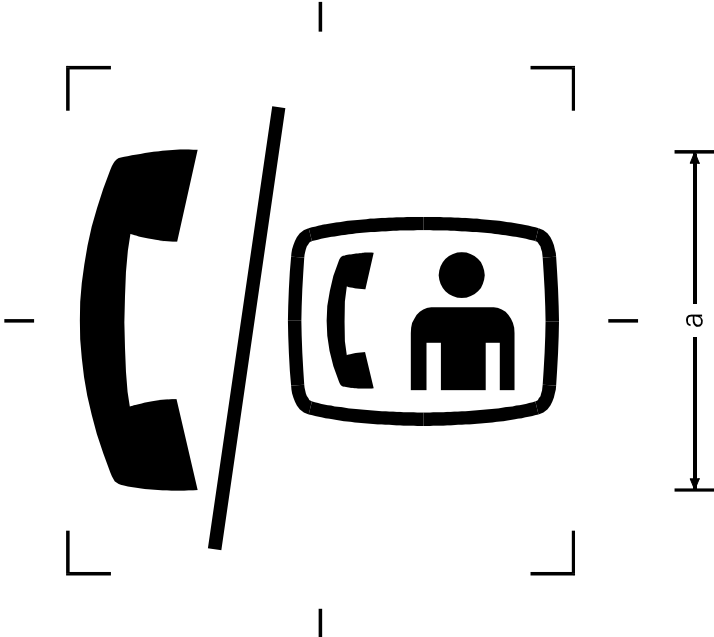
#### **4 Pictograms for point-to-point videotelephony**

Annex A (normative) contains the pictograms for the eight videophone functions. The pictogram for the VIDEOPHONE HANDSFREE ON / OFF function is identical with the IEC symbol for "Loudspeaker / Microphone" (417-IEC-5081) and the pictogram for the VIDEOPHONE LOUDSPEAKING ON / OFF function is identical with the IEC symbol for "Loudspeaker" (417-IEC-5080).

Furthermore, if one control only is used for switching between handset mode, handsfree mode and loudspeaking mode, the pictogram for identifying this control shall be the one for VIDEOPHONE LOUDSPEAKING ON / OFF.



Annex A (normative): ETSI pictograms for the eight videophone functions

	<b>Symbole graphique No. 1: Visiophone / téléphone</b>	
	<b>Graphical symbol Nr. 1: Videophone / telephone</b>	<b>ETS 300 375</b>
<p><b>SYMBOLE ORIGINAL</b> <b>ORIGINAL SYMBOL</b> (a = 50 mm)</p>  <p><b>Dimensions réelles</b> hauteur = 1,30 a largeur = 1,41 a</p> <p><b>Real dimensions</b> height = 1,30 a width = 1,41 a</p> <p><b>Application:</b> In videotelephony, for switching between videophone (sound and picture) and telephone (sound only) modes.</p>		



**Symbole graphique No. 2:** Camera du visiophone marche / arrêt

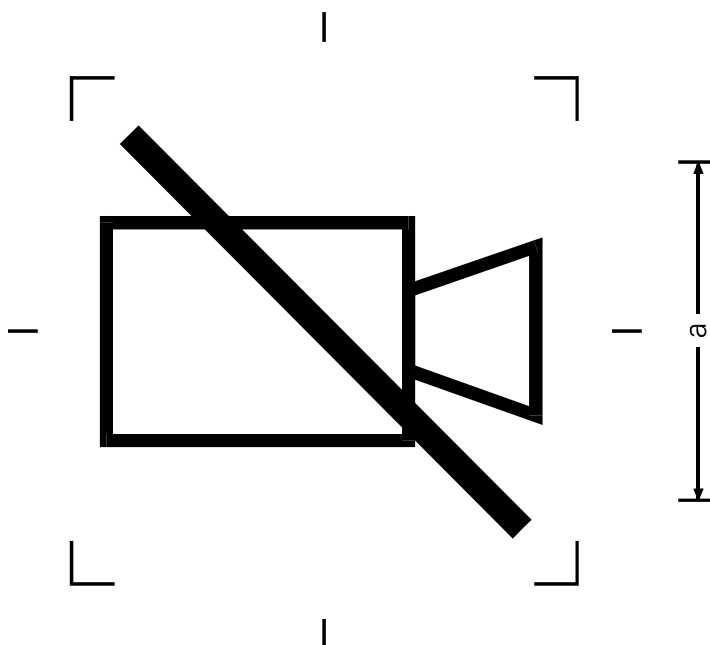
**Graphical symbol Nr. 2:** Videophone camera on / off

**ETS 300 375**

**SYMBOLE ORIGINAL**  
**ORIGINAL SYMBOL**  
(a = 50 mm)

**Dimensions réelles**  
hauteur = 1,30 a  
largeur = 1,41 a

**Real dimensions**  
height = 1,30 a  
width = 1,41 a



**Application:** In videotelephony, for switching on and off the transmission of the camera signal.

**NOTE:** The diagonal bar may be omitted when the normal system state is one in which the camera is turned off.

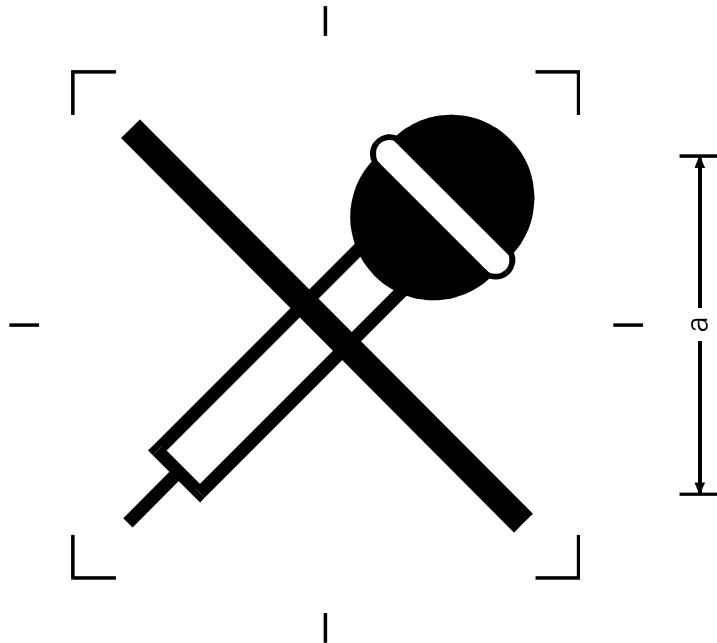


**Symbole graphique No. 3:** Microphone du visiophone  
marche / arrêt

**Graphical symbol Nr. 3:** Videophone microphone on / off

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**SYMBOLE ORIGINAL**  
**ORIGINAL SYMBOL**  
(a = 50 mm)



**Dimensions réelles**  
hauteur = 1,30 a  
largeur = 1,41 a

**Real dimensions**  
height = 1,30 a  
width = 1,41 a

**Application:** In videotelephony, for switching on and off the transmission of the microphone signal.

**NOTE:** The diagonal bar may be omitted when the normal system state is one in which the microphone is turned off.



**Symbole graphique No. 4:** Visiophone en mode autoportrait  
marche / arrêt

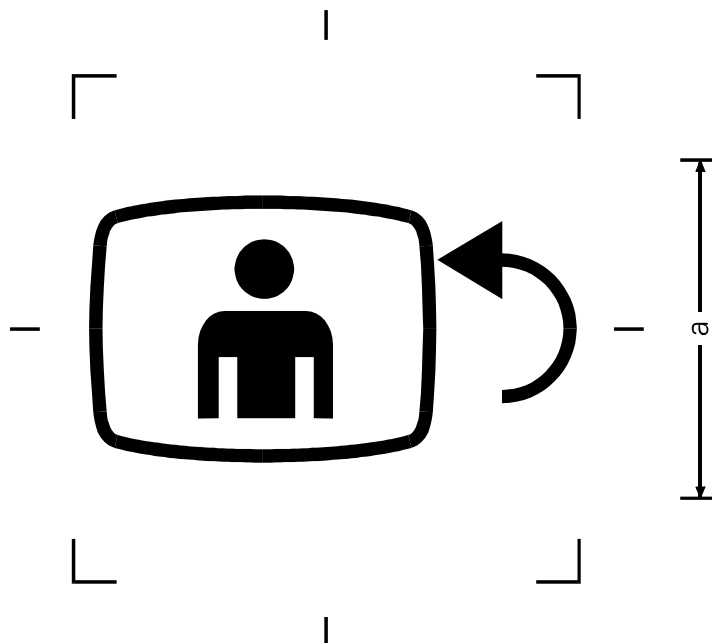
**Graphical symbol Nr. 4:** Videophone selfview on / off

ETS 300 375

**SYMBOLE ORIGINAL**  
**ORIGINAL SYMBOL**  
(a = 50 mm)

**Dimensions réelles**  
hauteur = 1,30 a  
largeur = 1,41 a

**Real dimensions**  
height = 1,30 a  
width = 1,41 a



**Application:** In videotelephony, for switching on and off the selfview function.



**Symbole graphique No. 5:** Visiophone en mode image fixe  
marche / arrêt

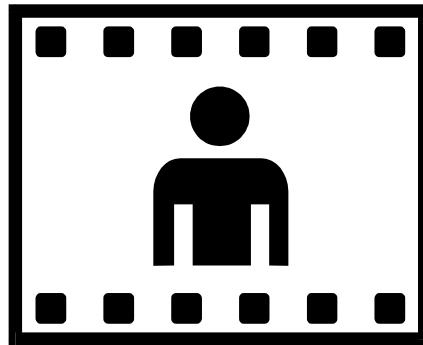
**Graphical symbol Nr. 5:** Videophone still picture on / off

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**SYMBOLE ORIGINAL**  
**ORIGINAL SYMBOL**  
(a = 50 mm)

**Dimensions réelles**  
hauteur = 1,30 a  
largeur = 1,41 a

**Real dimensions**  
height = 1,30 a  
width = 1,41 a



**Application:** In videotelephony, for switching on and off the still picture (screen freeze) function.



**Symbole graphique No. 6:** Caméra document du visiophone  
marche / arrêt

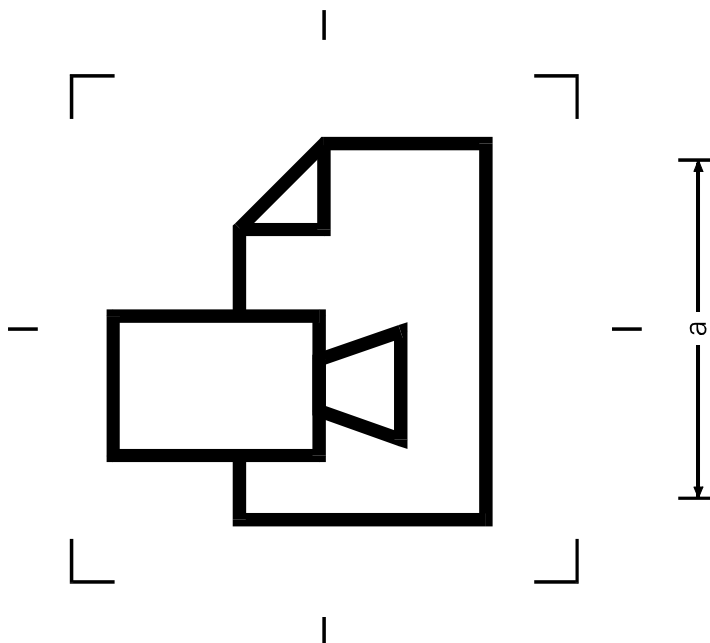
**Graphical symbol Nr. 6:** Videophone document camera  
on / off

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**SYMBOLE ORIGINAL**  
**ORIGINAL SYMBOL**  
(a = 50 mm)

**Dimensions réelles**  
hauteur = 1,30 a  
largeur = 1,41 a

**Real dimensions**  
height = 1,30 a  
width = 1,41 a



**Application:** In videotelephony, for switching on and off the document camera.

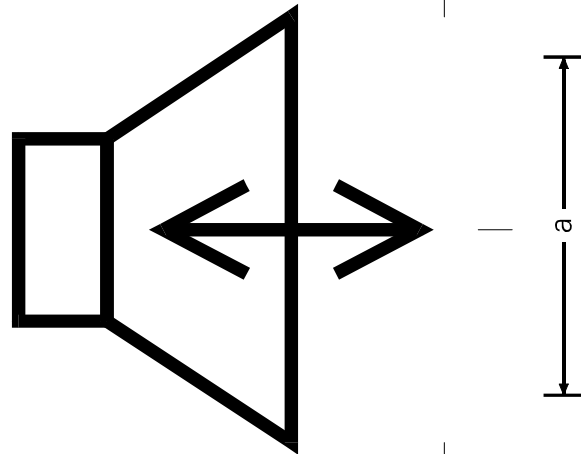


**Symbole graphique No. 7:** Mains libres du visiophone  
marche / arrêt

**Graphical symbol Nr. 7:** Videophone handsfree on / off

**ETS 300 375**

**SYMBOLE ORIGINAL**  
**ORIGINAL SYMBOL**  
(a = 50 mm)



**Dimensions réelles**  
hauteur = 1,30 a  
largeur = 1,41 a

**Real dimensions**  
height = 1,30 a  
width = 1,41 a

**Application:** In videotelephony, for switching on and off the handsfree mode.

**Reference:** This symbol is identical with the IEC symbol for "Loudspeaker / Microphone" (417-IEC-5081: Graphical symbol: Loudspeaker / Microphone).

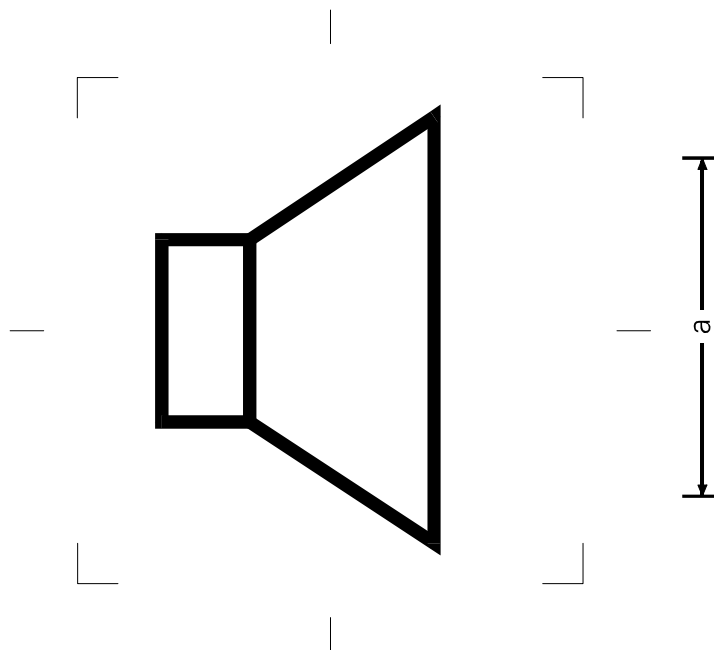


**Symbole graphique No. 8:** Ecoute amplifiée du visiophone  
marche / arrêt

**Graphical symbol Nr. 8:** Videophone loudspeaking on / off

**ETS 300 375**

**SYMBOLE ORIGINAL**  
**ORIGINAL SYMBOL**  
(a = 50 mm)



**Dimensions réelles**

hauteur = 1,30 a

largeur = 1,41 a

**Real dimensions**

height = 1,30 a

width = 1,41 a

**Application:** In videotelephony, for switching on and off the loudspeaking mode.

**Reference:** This symbol is identical with the IEC symbol for "Loudspeaker"  
(417-IEC-5080: Graphical symbol: Loudspeaker).



## **Annex B (informative): Bibliography**

For the purposes of this ETS, the following informative references have been used.

- 1) IEC 417-IEC-5080: "Graphical symbol: Loudspeaker".
- 2) IEC 417-IEC-5081: "Graphical symbol: Loudspeaker / Microphone".

## History

Document history	
November 1994	First Edition
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