

Captioning Key

Guidelines and Preferred Techniques



Captioned Media Program

Revised January 2004



Captioning Key

Produced by the:

**Captioned Media Program
National Association of the Deaf
1447 East Main Street
Spartanburg, SC 29307**

**VOICE (800) 237-6213
TTY (800) 237-6819
FAX (800) 538-5636**

**E-MAIL info@cfv.org
WEB www.cfv.org**



**Funds for publication of this manual were provided by the:
Office of Special Education Programs: U.S. Department of Education**

TABLE OF CONTENTS

Introduction	1
The Key	1
About the CMP	1
A Definition of Captioning	2
CMP Captioning Philosophy	2
Review by the CMP	2
Types and Methods	3
Definition	3
Closed	3
Subtitles	3
Off-line	3
On-line	3
Styles	5
Definition	5
Pop-on	5
Roll-up	5
Paint-on	5
Text	6
Definition	6
Caption Placement	6
Spacing	9
Line Division	10
Italics	11
Font	12
Presentation Rate	13
Definition	13
Specifications and Guidelines	13
Editing	14
Language Mechanics	15
Definition	15
Spelling and Capitalization	15
Research	16
Grammar	16
Punctuation	16
Quotation Marks	18
Special Considerations	19
Definition	19
Sound Effects	19
Intonation/Play on Words/No Audio	22
Speaker Identification	22
Synchronization	23
Music	23
Foreign Language/Dialect/Slang/Phonetics	24
Numbers	25
Funding Credits	30
Becoming an Approved Captioning Service Vendor	31
Appendices	
Appendix 1: Proofreading Marks	
Appendix 2: Captioning Research Record	



Captioning...



*the key to understanding for
28,000,000 Americans with a hearing loss.*

The Key

Captioning is the key . . . to opening up a world of information for persons with a hearing loss or literacy needs. There are more than 28 million Americans with a hearing loss. Millions of others are illiterate, learning to read, or use English as a second language.

This manual is a key . . . for captioning agencies performing

Captioned Media Program (CMP) open-captioning. However, much of the information is applicable to closed-captioning. Thus, it will also be useful to video producers/distributors and others who are considering close-captioning their products or learning about captioning. Some background information and rationale is included for the novice.

About the CMP

Sound was introduced to motion pictures in 1927. This made them inaccessible to deaf and hard of hearing persons who had enjoyed equal viewing participation with hearing persons during the silent film era.

Efforts to overcome the problem of inaccessibility did not begin for two decades. In 1947 the first true "captioning" occurred as captions were placed between film frames. Quickly thereafter the Captioned Films for the Deaf (CFD) program was organized and incorporated in Connecticut with an office at the American School for the Deaf.

In 1958 the CFD became federal Public Law 85-905. Although the initial purpose of the CFD was to provide subtitled Hollywood films for deaf people, educators were quick to recognize the potential of captioned films and other visual media as tremendous untapped educational resources. Consequently, the Congress amended the original law to authorize

acquisition, captioning, and the distribution of educational films.

In 1984 CFD introduced videocassettes, and CFD became CFV (Captioned Films/Videos). As films were withdrawn from the collection in 1998, the program again changed names and became the Captioned Media Program (CMP). Today, 4,000 captioned videos and other media are available for free loan. Deaf and hard of hearing persons, teachers, parents, and others who work with deaf and hard of hearing people are eligible to borrow these materials.

The National Association of the Deaf (NAD) has a cooperative agreement with the U.S. Department of Education (ED) to select and caption new CMP videos and other media. Approximately 300 new materials are purchased, captioned, and added to the CMP collection each year. The NAD also distributes these materials to consumers nationwide.

Guidelines in this manual have evolved over the 44-year history of the CMP program. However, captioning research and technological developments continually dictate changes and improvements in the captioning process.

The CMP staff, with a combined near century of captioning experience, rely heavily on consumer input when incorporating these changes.

A Definition of Captioning

Captioning is the process of converting the audio portion of a film, video, CD-ROM or other production into text which is displayed on a screen or monitor. For deaf and hard of hearing persons,

captions not only display words to indicate spoken dialogue or narration, but also include sound effects, speaker identification, music, and other "non-speech" information.

CMP Captioning Philosophy

The CMP captioning philosophy is that all videos should incorporate as much of the original language as possible; words or phrases which may be unfamiliar to the audience should not be replaced with simple synonyms. Extreme

rewriting of narration for captions develops problems of "watered-down" language and deleted concepts. Editing should only be done if required to meet the specified presentation rate.

Review by the CMP

First, a 1/2" VHS time-coded window proof dub and a hard copy or electronic file of the caption script must be sent to the CMP by all agencies performing CMP work. The CMP will notify the captioning agency if changes are to be made, and a second dub (check dub) will be required upon request. Requested changes are penned on script pages which are faxed or mailed to the captioning agency. See Appendix 1 for symbols used for proofreading by the CMP.

Second, captioning agencies are expected to research spelling, capitalization, and punctuation. Video company scripts are not always reliable. All research work should be reported on the "Captioning Research Record" (see Appendix 2) or a CMP-approved substitute. The time code or caption number must be indicated. A copy of the record should be sent to the CMP along with the proof dub and caption script.

TYPES AND METHODS

Definition:

Types vary according to how the captions appear, how they are accessed, and what information is provided. **Methods** vary according to when the captions are created and displayed.



Types

Closed Captions: These have traditionally been hidden on the 21st line of the vertical blanking interval (VBI) of a video signal and made visible by a decoder at the time of viewing. They are usually white capital letters encased in a black box, though newer technology permits a variety of options. (See Figure 1.) Closed captions can be made permanently visible by duplicating copies of a closed-captioned video while the decoder is engaged.

Subtitles: Subtitles are usually white letters with a black rim or drop shadow. Some are always visible, like the subtitles on CMP videos. (See Figure 2.) Others, like those on DVD and the Internet, are displayed utilizing the medium's menu options. Subtitles can be categorized as:

- a) *Subtitles for the Deaf and Hard of Hearing (SDH)*, which include information such as sound effects, speaker identification, and other essential nonspeech features. These are presented as close to verbatim as possible. CMP videos are this type.
- b) *Subtitles*, which are written for hearing viewers (traditionally in a foreign film), usually do not indicate information other than dialogue, and often are edited. Some may translate important onscreen printed information such as a street sign or a written message.



Methods

Off-line: Captions created and added after a video segment has been recorded and before it is aired or played. Examples of programs that utilize off-line captioning are prime-time TV programs, made-for-TV movies, and educational videos. (**Live Display** captions are created prior to airing but the timing of the display is controlled manually at the airing, often with a teleprompter.)

On-line: Captions created and displayed at the time of program origination, and sometimes referred to as **Real-time**. Examples of programming that utilizes on-line captioning are sporting events, newscasts, and other events that do not allow time to prepare off-line captions. (**CART: Computer-Aided Realtime Translation**—is on-line captioning shown on a screen projector at live events such as meetings and school activities.)

Figure 1. Closed-captioning sample



Figure 2. Subtitles for the Deaf and Hard of Hearing (SDH) sample



STYLES

Definition:

A **style** refers to the way captions are presented.

Three common styles of captioning include: pop-on, roll-up, and paint-on. The method of the captioning sometimes dictates the style.



Pop-on captions are usually one or two lines of captions that appear onscreen and remain visible for one to several seconds before they disappear. A few frames of videotape are left without captions before the next line(s) of captions “pop-on.”

The CMP requires pop-on captions in upper- and lowercase letters with descenders. Characters must be Helvetica Medium or a font similar to it. These captions must have good resolution and fit the requested 32 characters to a line. (See Figure 3.)



Roll-up captions are usually verbatim and synchronized. Captions follow double chevrons (“greater than” symbols), and are used to indicate different speaker identifications. Each sentence “rolls up” to about three lines. The top line of the three disappears as a new bottom line is added, allowing the continuous rolling up of new lines of captions.



Paint-on captions are very similar to roll-up captions. Individual words are “painted on” from left to right, not popped on with all captions at once, and usually are verbatim.

Figure 3: CMP caption



CMP Master Key:

- ◆ Open-captioned format
- ◆ Pop-on method
- ◆ Upper- and lowercase letters with descenders
- ◆ Proportional spacing
- ◆ 32 characters per line
- ◆ Helvetica Medium (or similar)

Definition:

Text is the appearance of the letters on the screen. Text considerations include: caption placement, spacing, line division, italics, and font.



Caption Placement

1. Caption placement (vertical and horizontal) refers to the location of captions on the television screen. Placement must not interfere with existing visuals/graphics such as maps, illustrations, names of countries, job titles, or names of speakers. Should interference occur, captions should be placed at the top of the screen. If placing captions at the top of the screen also interferes with visuals/graphics, place captions elsewhere on the screen.

2. Captions that have two or more lines must be left-aligned. Examples:

Inappropriate

a. Today's main event is
the Monster Truck Rally.

b. I'm sorry, Norman.
I'd never
left if I had known.

c. [steamship whistle blows]
tooooooot

Appropriate

a. Today's main event is
the Monster Truck Rally.

b. I'm sorry, Norman.
I'd never left if I had known.

c. [steamship whistle blows]
tooooooot

3. No more than 2 lines of captions are preferred. The CMP uses a 1 to 8 line-numbering system. (See Figure 4.) Most captions are placed on lines 7 and 8.

Acceptable

I wish to seek your approval.

Preferred

I wish to seek
your approval.

4. For media with one offscreen narrator and no preexisting graphics, captions should be left-aligned at center screen on lines 7 and 8.

Single-line captions should be centered on line 8.

Figure 4: Line-numbering system

1
2
3
4
5
6
7
8

5. It is essential to place all captions within the "safe zone" because of the variation in picture size of televisions in homes today. This will avoid the possibility of missing characters at right or left screen or missing descenders/ascenders at bottom or top screen.
6. Three- or four-line captions are also occasionally acceptable if a one- or two-line caption would interfere with preexisting graphics or be confusing in speaker identification. (See Figure 5.)

Figure 5: Acceptable three- and four-line captions



7. The only exception to number 2 above occurs when both lines of captioned dialogue or narration are exactly the same. In this case, indent the second line two spaces. Example:

Inappropriate

Where are you?
Where are you?

Appropriate

Where are you?
 Where are you?

However, if two caption lines begin with the same word—but are not identical sentences—the second line should not be indented. Example:

Inappropriate

and there is some
and then there is none.

Appropriate

and there is some
and then there is none.

8. If essential sound effects are used simultaneously with captioned dialogue, they must be placed at the top of the screen.
9. When people onscreen speak simultaneously, place the captions underneath the speakers. Do not use other speaker identification techniques like hyphens. (See Figure 6.) If this is not possible due to length of caption or interference with onscreen graphics, caption each speaker at different time codes.
10. Captioned dialogue must be placed under the speaker as long it does not interfere with graphics or other preexisting features. (See Figure 7A and 7B.)

Figure 6: Inappropriate captioning (It's confusing as to who is speaking.)

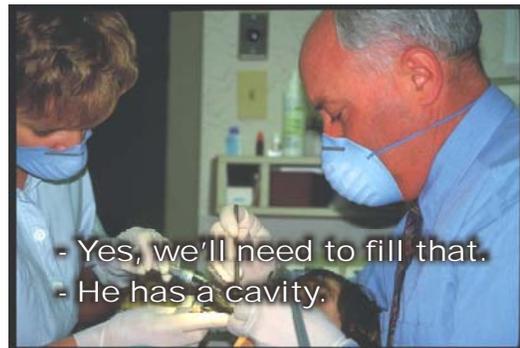


Figure 7A: Appropriate Captioning (Clearly shows that the **woman** is speaking.)

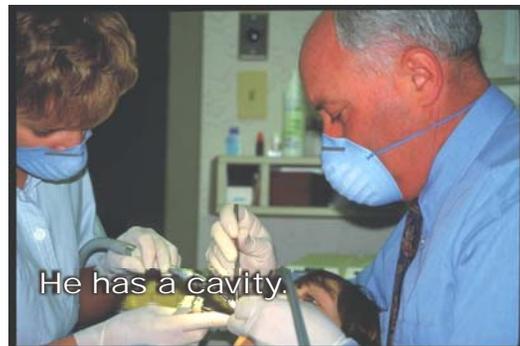
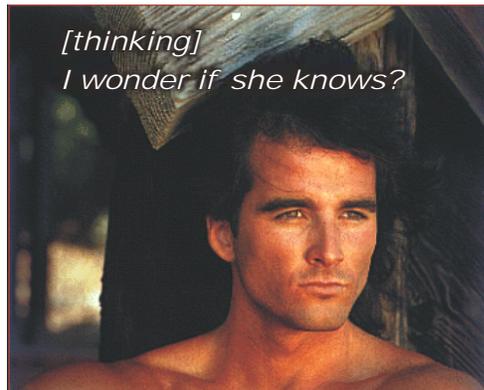


Figure 7B: Appropriate Captioning (Clearly shows that the **man** is speaking.)



11. If a speaker continuously moves from one location onscreen to another, one placement for captions of that speaker's dialogue must be used. Confusion occurs when captions jump around the screen.
12. When a person is thinking, dreaming, or the like, list the description in brackets and place italicized captions above the head. (See Figure 8.)
13. Do not mix Roman type with italics at the same time code except in cases of word emphasis.

Figure 8: Caption of a person thinking



Spacing

1. Font size should allow for a thirty-two (32) character caption line.
2. Spaces should not be inserted before ending punctuation, after opening and before closing parentheses and brackets, before and after double hyphens and dashes, or before/between/after the periods of an ellipsis mark. Examples:

Inappropriate	Appropriate
a. What did she say ?	a. What did she say?
b. [gun firing]	b. [gun firing]
c. (narrator)	c. (narrator)
d. left unsaid -- we just talked.	d. left unsaid--we just talked.
e. I am happy . . . thank you.	e. I am happy...thank you.
3. A space should be inserted after the beginning music icon (♪) and before the ending music icon(s). Example:

♪ There's a bad moon rising ♪



Line Division

1. When a sentence is broken into two or more lines of captioning, it should be broken at a logical point where speech normally pauses, unless it would exceed the 32-characters-per-line requirement.
2. When breaking a sentence into a two-line caption, the following guidelines should be followed:

- a. Do not break a modifier from the word it modifies. Example:

Inappropriate

Mark pushed his black truck.

Appropriate

Mark pushed his black truck.

- b. Do not break a prepositional phrase. Example:

Inappropriate

Mary scampered under the table.

Appropriate

Mary scampered under the table.

- c. Do not break a person's name and do not break titles from a personal name. Example:

Inappropriate

1. Bob and Mr. Smythe are at the movies.

Appropriate

1. Bob and Mr. Smythe are at the movies.

2. Did you and Doris meet Jake Albright at the mall?

2. Did you and Doris meet Jake Albright at the mall?

- d. Do not break a line after a conjunction. Example:

Inappropriate

In seconds she arrived and he ordered a Pepsi.

Appropriate

In seconds she arrived and he ordered a Pepsi.

- e. Do not break an auxiliary verb from the word it modifies.

Inappropriate

Mom said I could have gone to the movies.

Appropriate

Mom said I could have gone to the movies.

3. Never end a sentence and begin a new sentence on the same line. Examples:

Inappropriate

- a. He suspected that his face turned pale. He knew he wouldn't be able to speak if spoken to. Running toward the void, he halted...
- b. Kate visits a dairy farm. She learns how cows are fed, milked, and cared for.

Appropriate

- a. He suspected that his face turned pale.
He knew he wouldn't be able to speak if spoken to.
Running toward the void, he halted...
- b. Kate visits a dairy farm.
She learns how cows are fed, milked, and cared for.



Italics

1. Italics should be used to indicate:
- a. A voice-over reading of a poem, book, play, journal, letter, etc. (as this is also quoted material, quotation marks are also used);
 - b. When a person is dreaming, thinking, or reminiscing;
 - c. When there is background audio that is essential to the plot, such as a PA system, TV, and so forth;
 - d. The first time a new word is being defined, but do not italicize the word thereafter;
 - e. Offscreen dialogue, narrator (see exception in #6 below), sound effects, or music;
 - f. The offscreen narrator if there are multiple speakers onscreen;
 - g. Speaker identification if the dialogue is in italics and speaker identification is necessary; and
 - h. Foreign words and phrases unless they are in English dictionaries. However, some exceptions apply. For example: "passado" and "punto reverso" are in the dictionary, but not the "hay." For the sake of being consistent, leave all in italics.

Inappropriate

Ah, the immortal pasado!
The punto reverso! The hay!

Appropriate

Ah, the immortal *passado*!
The *punto reverso*! The *hay*!

2. Italics should also be used when a particular word is heavily emphasized in speech.
Example:

You *must* go!

3. Excessive slanting of italics should be avoided.
4. Underlining should never be used in place of italics.
5. When an entire caption is already in italicized format, use Roman type to set off a word you would normally italicize.
6. If there is only one narrator and no other speakers, whether on- or offscreen, use Roman type with no italics.
7. Do not italicize while translating for a person onscreen.

Inappropriate

(female interpreter)
I enjoyed New Mexico...

Appropriate

(female interpreter)
 I enjoyed New Mexico...



Font

1. A font, or typeface, is a set of characters at a certain size, weight, and style. Consistency throughout the video is extremely important.
2. The CMP requires that subtitled characters be Helvetica Medium or a font similar to it.
3. The weight must support a 32-character line.
4. Characters must be sans serif, have a drop or a rim shadow, and be proportionally spaced.
5. The font must include upper- and lowercase letters with descenders that drop below the baseline.
6. Pick a font and spacing technique that does not allow overlap with other characters, ascenders, or descenders.

Inappropriate

My dog Puggy happily
 chewed on the T-bone all day.

Appropriate

My dog Puggy happily
 chewed on the T-bone all day.

PRESENTATION RATE

Definition:

Presentation rate is the number of captioned words shown onscreen each minute and is a crucial factor in captioning.

Time is required to read the captions, look at the picture, integrate the captions and the picture, and then internalize the message. When calculating reading rate, count one word as one word, as opposed to basing the calculation on the number of characters. Example: "Jackson disappeared into the woods" would equal five words, and "It was never-ending" would equal four words. Speaker identification and sound effects must be included in the word count when calculating presentation rate.

Rate control is particularly important with educational videos when much of the content presented is unfamiliar to the viewers. More time is necessary to complete the caption-reading process. Research dating back to 1980 has supported captioning presented at 120 words per minute (wpm) as being comprehensible to elementary and secondary students. This rate has been the standard for educational videos in the CMP program and for captioning children's programs at various captioning agencies.



Specifications and Guidelines

1. Many educational, special-interest, and theatrical videos are not scripted to allow the time necessary for the process of reading captions and often have extremely rapid narration/dialogue. Therefore some editing may be necessary.
2. All lower- to middle-level educational videos should be captioned at a presentation rate range of 120-130 wpm. Upper-level educational videos may be captioned slightly above the 120-130 range.
3. Adult special-interest videos require a presentation rate of 150-160 wpm. The presentation rate can be increased if heavy editing radically changes the original meaning, content, or language structure.
4. Children's movies should be captioned at a rate range of 150-160 wpm. Adult movies should be captioned at a near verbatim rate, but no caption should remain onscreen less than 2 seconds or exceed 235 wpm.
5. Common sense should always prevail in determining presentation rate. Very difficult vocabulary and/or content requires more time to read and process.



Editing

1. Editing is performed only when a caption exceeds the specified presentation rate limit. Proper editing should maintain both the original meaning/content and meet presentation rate requirements. Examples:

- a. Original narration:

“Today many colorful and varied tales are told of just how it all started.”
(Target rate 120-130 wpm--words per minute)

Inappropriate (over-edited)

Today many tales are told
of how it all started. **116 wpm**

Appropriate

Today, colorful
and varied tales are told **122 wpm**

of how it started. **120 wpm**

- b. Original narration:

“It's time to stop talking and time to act before they bleed us dry.”
(Target rate: 150-160 wpm--words per minute)

Inappropriate (adulteration of language)

We must stop talking and
act before they bankrupt us. **163 wpm**

Appropriate

It's time to act
before they bleed us dry. **145 wpm**

- c. Original narration:

“All them boys do is get you in trouble...and they're gonna kick you...”
(Target rate: 150-160 wpm--words per minute)

Inappropriate
(did not caption)

They're going
to kick you **127 wpm**

Appropriate

Them boys
get you in trouble . . . **148 wpm**

they're gonna
kick you **152 wpm**

2. The only times when presentation rate is ignored are when a famous person is quoted, a well-known person is speaking onscreen, poems and other published works are quoted, and/or song lyrics are sung. These must be captioned verbatim.
3. Do not caption the same--or nearly the same--information that is already shown onscreen.

LANGUAGE MECHANICS

Definition:

Language mechanics incorporates the proper use of spelling, grammar, punctuation, capitalization, and other factors deemed necessary for high-quality captioned media. Rules included in this manual are primarily those which are unique to captioning and speech-to-text.



Spelling and Capitalization

1. To check spelling and capitalization, the CMP uses Merriam-Webster Online c. 2004 (<http://www.m-w.com/netdict.htm>) as our primary source along with Random House Webster's Unabridged Dictionary c. 1999 (Version 3.0). Proper nouns are researched on the Internet.
2. Do not use British spellings.
3. Written English rules on capitalization are difficult. First of all, there are a seemingly endless number of rules to master. Second, the authorities themselves don't agree on the rules. Try to remember the basic purposes of capitalization: to load special significance into words and to give importance, emphasis, and distinction to words.
4. Captioning agencies are **expected** to:
 - a. Use a reputed dictionary and choose the most common or preferred variant.
 - b. Be consistent in the spelling of words throughout the video. This includes words that can be spelled either as one or two words or in hyphenated form.
 - c. Capitalize proper names for speaker identification. All other speaker identification should be lowercased. Examples:

Inappropriate

1. (Male Nurse)
2. (bobby)

Appropriate

1. (male nurse)
2. (Bobby)

- d. Lowercase sound effects, including both description and onomatopoeia except when a proper name is part of the description. Examples:

Inappropriate

1. [Machine Gun Firing]
Rat-a-tat-tat
2. [Frog croaking]
3. [Plinky Squealing]

Appropriate

1. [machine gun firing]
rat-a-tat-tat
2. [frog croaking]
3. [Plinky squealing]



Research

When performing CMP captioning work, captioning agencies are expected to extensively research spelling, capitalization, and grammar. All research work should be recorded on the "Captioning Research Record." (See Appendix 2.)



Grammar

1. Unless contractions (shouldn't, isn't, etc.) are spoken, avoid using them in captions.
2. Do not use abbreviations unless spoken that way. Example:

Inappropriate

Bring catsup, mustard, relish, etc.

Appropriate

Bring catsup, mustard, relish, et cetera.



Punctuation

1. For other language mechanic features, the CMP uses "The Gregg Reference Manual," "The Chicago Manual of Style," and others.
2. As a general rule, written English language depends largely on word order to make the relationships between words clear. When word order alone is not sufficient to establish these relationships, the CMP typically resorts to punctuation.

It is not easy to determine the appropriate punctuation for written language. Spoken language sometimes appears improperly constructed when put into written form and can be even more difficult to punctuate.

Acceptable and understandable speech may consist of broken sentences, incomplete sentences, run-on sentences, and other constructions normally considered not acceptable when originated as written language. Transcription of these speech constructions into text sometimes requires use of punctuation that is unique to the captioning process.

3. Emotion/tone should be conveyed by standard punctuation marks, with multiple exclamation points used for strong emotion. Examples:

Inappropriate

a. aaaauuggghhh.

b. Sit down right now.

Appropriate

a. aaaauuggghhh!!!

b. Sit down right now!

4. Special emphasis given to nonessential information should be conveyed by double hyphens or a single long dash. Examples:

Inappropriate

- a. So French officials, not Spanish, were back
- b. Then he is off on the next leg of his journey, 325 miles to Flagstaff, Arizona, eating sandwiches.

Appropriate

- a. So French officials--not Spanish--were back
- b. Then he is off on the next leg of his journey--325 miles to Flagstaff, Arizona--eating sandwiches.

5. Do not emphasize a word using all capital letters, unless this indicates screaming.

6. When a speaker stutters, caption what is said:

Inappropriate

book

Appropriate

b-b-b-ook

7. When captioning finger spelling, separate letters with hyphens. Example:

A-N-T-O-I-N-E-T-T-E

8. Use ellipses marks--not commas or other punctuation--when there is a significant pause within a caption. Example:

Inappropriate

Look at that sunset
isn't it beautiful?

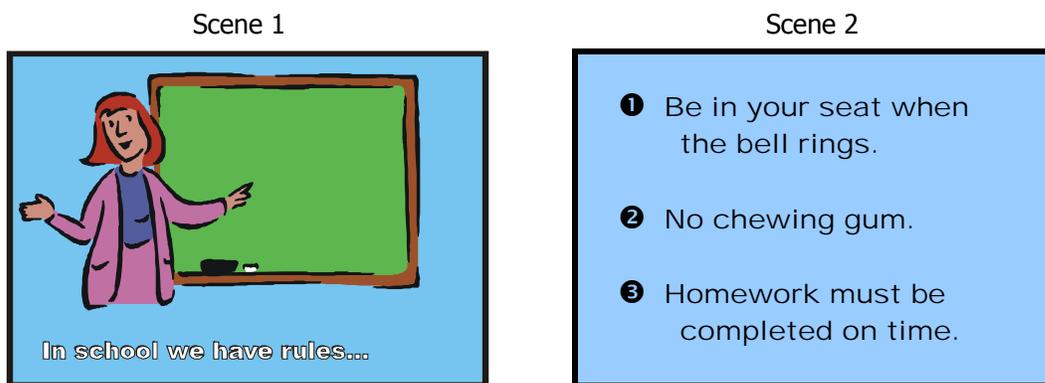
Appropriate

Look at that sunset...
isn't it beautiful?

Do not use ellipses marks to indicate that the sentence continues into the second caption.

Use ellipses marks to lead into or out of audio relating to an onscreen graphic. (See Figure 9.)

Figure 9: Use of ellipses marks





Quotation Marks

1. Double quotation marks must have appropriate curvature direction or be vertically aligned:
" " or " "
2. Quotation marks are used to distinguish titles of books, periodicals, plays, films, videos, short stories, and other titles of complete works. Also, quotation marks are used to distinguish names of individual ships, trains, airplanes, and spacecrafts.
3. Use quotation marks for onscreen readings from a poem, book, play, journal, or letter. However, use quotation marks and italics for offscreen readings or voice-overs.
4. Beginning quotation marks should be used for each caption of quoted material except for the last caption. The last caption should have only ending quotation marks. Example from a reading of a journal:

Inappropriate

"Mother knelt down
and began thoughtfully fitting"

"the ragged edges
of paper together."

"The process was watched
with spellbound interest."

Appropriate

"Mother knelt down
and began thoughtfully fitting

"the ragged edges
of paper together.

The process was watched
with spellbound interest."

SPECIAL CONSIDERATIONS

Definition:

Other significant features should be incorporated into captioning. **Special considerations** include: sound effects, speaker identification, synchronization, music, foreign language/dialect/slang, numbers, and others.



Sound Effects

1. Sound effects necessary to the understanding and/or enjoyment of the video should be captioned.
 - a. A description of sound effects, in brackets, should include the source of the sound and a representation of it. Avoid use of discriminatory terms. (See Figure 10.)

Figure 10: Use of description only



- b. Description can be eliminated if you can clearly see the source of the sound onscreen. For example, if a wolf is shown in the process of growling, only onomatopoeia is necessary. (See Figure 11.)

Figure 11: Use of onomatopoeia only



- c. If the presentation rate permits, also include an imitation or onomatopoeia of the sound. A study by Gallaudet University showed that "A combination of description and onomatopoeia was the preference of more consumers (56%) than was description alone (31%) or onomatopoeia alone (13%). (See Figure 12.)

Figure 12: Description and onomatopoeia



2. Offscreen sound effects should be italicized. (See example below.)



3. Place the description of the sound effect as close as possible to the sound source.
4. A description must be enclosed in brackets.
5. Both sound effect and onomatopoeia must be lowercased.
6. If description is used for offscreen sound effects, it is not necessary to repeat the source of the sound if it is making the same sound a few captions later. Examples:

First caption
[pig squealing]

Later caption
[squealing]

7. The description should be on the first line of the sound effect caption, separate from the onomatopoeia. Example:

Inappropriate

a. [bell ringing] bbbriinnngg!!

b. [machine gun firing] rat-a-tat-tat

Appropriate

a. [bell ringing]
bbbriinnngg!!

b. [machine gun firing]
rat-a-tat-tat

8. Use punctuation to indicate speed or pace of sound. Examples:

Slow

[clock chiming]
dong...dong...dong

Rapid

[gun firing]
bang, bang, bang

9. A sound represented by a repeated word is not hyphenated. A sound represented by two different words is hyphenated. Examples:

Repeated words

[doorbell ringing]
ding, ding

Two different words

[doorbell ringing]
ding-dong

10. When describing a sustained sound, use the present participle form of the verb. When describing an abrupt sound, use the third person verb form. Examples:

Sustained sound

a. [dog barking]
woof, woof...woof

b. [papers crinkling]

Abrupt sound

a. [gun cocks]
click, click

b. [papers crinkle]

11. Caption background sound effects only when they're essential to the plot.

12. Caption audience response only if the speaker is interacting with them or when it is essential to a better understanding of the plot. Example:

Inappropriate

(John)
So, you'd like that, huh!?

Appropriate

(John)
So, you'd like that, huh!?

[audience cheering]

13. When possible, use concrete rather than abstract terms to describe sounds. Examples:

Abstract

a. [horse running]

b. [bird singing]

Concrete

a. [horse galloping]

b. [robin singing]

14. Never use the past tense when describing sounds. Captions should be synchronized with the sound and are therefore in the present tense.



Intonation/Play on Words/No Audio

1. If the speaker is not visible onscreen or visual clues as to emotional state are not shown, indicate the speaker's emotion. Example:

Inappropriate

Well, whatever.

Appropriate

[angrily]
Well, whatever.

2. When a person is whispering, caption as:

[whispering]
Okay, you go first.

3. When feasible, describe puns:

Why do they call her Ouisy? ["Wheezy"]

4. When people are seen talking but there is no audio, caption as:

[no audio]



Speaker Identification

1. When possible, use caption placement to identify an onscreen speaker by placing the caption under the speaker.
2.
 - a. If offscreen speakers are speaking simultaneously, appropriate speaker identification must be added.
 - b. When a speaker cannot be identified by placement and his/her name is known, the speaker's name should be in parentheses. Also, the speaker's name needs to be on a line of its own, separate from the captions. Examples:

Inappropriate

[President Bush]
I'm reviewing the bill.

Inappropriate

President Bush:
I'm reviewing the bill.

Appropriate

(President Bush)
I'm reviewing the bill.

Inappropriate

(Jack) I don't see
how blasting would work
on this building.

Appropriate

(Jack)
I don't see how blasting
would work on this building.

- c. When a speaker cannot be identified by placement and his/her name is unknown, identify the speaker using the same information a hearing viewer has: female #1, male narrator, etc.
- d. If speaker is offscreen, place captions to the far right or left, as close as possible onscreen to the offscreen speaker.

- e. Do not identify the speaker by name until the speaker is introduced in the audio or an onscreen graphic.
3. Caption the most commonly used character name for speaker identification, depending on how that character is introduced. Should "Smith" be spoken more often than "Bobby," use (Smith). If "Bobby" is used more often, caption as (Bobby).
4. If there is one narrator, identify as (male narrator) or (female narrator) at the beginning of the video. It is not necessary to identify gender for each caption thereafter.
5. When an actor is portraying a well-known person--for example, Michelangelo--caption as: (as Michelangelo).



Synchronization

1. Keep the captions as closely synchronized to the original audio as possible.
2. Borrowing 15 frames before and after the audio occurs is hardly noticeable to the viewer. This "borrowing" technique can be used occasionally when presentation rate is a factor.
3. Do not simultaneously caption different speakers if they are not speaking at the same time.



Music

1. When captioning music, use descriptions that indicate the mood. Be as objective as possible. Avoid subjective words such as delightful, beautiful, or melodic.
2. If music is vocal, caption the lyrics verbatim. The lyrics should be introduced with the name of the vocalist/vocal group and the title (in brackets), if known/significant, and if the presentation rate permits.

[The Beatles singing "Yesterday"]

♪ Yesterday...

all my troubles ♪

3.
 - a. Caption lyrics with music icons (♪).
 - b. Use one music icon at the beginning and end of each caption within a song, but use two music icons at the end of the last line of a song.
4. A description (in brackets) should be used for instrumental/background music or when verbatim captioning would exceed the presentation rate. If known, the description should include the performer/composer and the title. Examples:
 - a. *[Louis Armstrong plays "Hello Dolly"]*
 - b. *[pianist playing the national anthem]*
 - c. *[romantic orchestral music]*

5. Beware of misplaced modifiers in your descriptions. Example:

Inappropriate

[frantic piano playing]



Appropriate

[frantic piano music]



6. For background music, place a music icon in the upper right corner of the screen.



Foreign Language/Dialect/Slang/Phonetics

1. If possible, caption the actual foreign words. If it is not possible to caption the words, use a description; i.e., [speaking French]. Never translate into English.
2. If possible, use accent marks, umlauts, and other indicators.
3. Indicate regional accent at the beginning of the first caption. Example:

Inappropriate

If y'all want me to.

Appropriate

[Southern accent]
If y'all want me to.

4. Keep the flavor of dialect. Example:

Inappropriate

I just sort of held my knees
in water, and pulled him

across my knees
and examined him.

Appropriate

I just sort of held me knees
in water, and pulled him

across me knees
and examined him.

5. Keep the flavor of the speaker's language when necessary to portray a character's personality. This includes captioning profanity and slang. Examples:

Inappropriate

- a. I am not going anywhere.
- b. [cursing]
- c. I'm going to get you.
- d. Let's call them.

Appropriate

- a. I ain't going nowhere.
- b. Damn!
- c. I'm gonna getcha.
- d. Let's call 'em.

6. When a word is spoken phonetically, caption it the way it is commonly written.

Original Narration

- a. "N-double-A-C-P"
- b. "www dot cfv dot org"
- c. "eight or nine hundred"
- d. "a thousand"
- e. "one thousand"

Caption

- a. NAACP
- b. www.cfv.org
- c. 800 or 900
(not 8 or 900)
- d. a thousand
- e. 1,000



Numbers

1. **Spelling out:**

- a. Unless otherwise specified below, spell out all numbers from one to ten, but use numerals for all numbers over ten.

Inappropriate

- 1. The fifty-four videos need to be shelved.
- 2. The timer shows 10 minutes left.
- 3. He's at the fifty...sixty... and scores!

Appropriate

- 1. The 54 videos need to be shelved.
- 2. The timer shows ten minutes left.
- 3. He's at the 50...60... and scores!

- b. Spell out any number that begins a sentence, as well as any related numbers:

Two hundred tourists and eleven guides entered.

- c. Spell out casual, nonemphatic numbers:

He gave me hundreds of reasons.

- d. Numerals with four digits can either have a comma or not. Be consistent throughout the video. For numerals having over five digits, a comma is necessary. Example:

Inappropriate

50000

Appropriate

50,000

- e. Use numerals in a listing of numbers if one or more is above ten and these occur in one caption or one sentence:

Steven has 21 books,
11 oranges, and 3 cats.

- f. Use numerals when referring to technical and athletic terms:

He scored 3 goals
in today's game!

- g. Do not use the “#” symbol, except for speaker identification such as (female #1).

- h. When indicating sequence, capitalize the noun and use numerals. Exceptions are the indication of line, note, page, paragraph, size, step, or verse. Examples:

Building 2	page 31
Channel 5	size 12
Chapter III	step 3
Room 438	paragraph 2

2. Dates:

- a. Use the numeral plus the lowercase “th,” “st,” or “nd” when a day of the month is mentioned by itself (no month is referred to).

Bob went fishing
on the 9th.

- b. Use the numeral alone if the ending is not spoken.

I will meet you
on May 9. Original narration: “nine.”

- c. When the month and day are spoken (no year), use the numeral plus the lowercase “th,” “st,” or “nd” if the ending is spoken.

My birthday is
on June 17th. Original narration: “seventeenth.”

- d. When the month, day, and year are spoken, use the numeral alone for the day, even if an ending (th, st, or nd) is spoken.

Paul will marry
on July 6, 1996. Original narration: “sixth.”

3. Periods:

a. A decade should be captioned as "the 1980s" (not "the 1980's") and "the '50s" (not "the 50's").

b. If a decade or century is in noun form, do not use hyphens:

This vase is
from the 17th century.

c. If in adjective form, use a hyphen:

This 19th-century painting was
done by Van Gogh.

4. Fractions:

a. Either spell out or use numerals for fractions, keeping this rule consistent throughout the video. If using numerals, insert a space between a whole number and its fraction:

Numeral

Do you plan
to eat 1 1/2 pizzas?

Spelled out

Do you plan
to eat one and one-half pizzas?

b. Do not mix numerals and spelled-out words within the same sentence.

Inappropriate

Malika is 13
and a half years old.

Appropriate

Malika is
13 1/2 years old.

c. If a fraction is used with "million," "billion," "trillion," etc., spell out the fraction:

The population was
over one-half million.

d. Fractions expressed in figures should not be followed by endings such as *sts*, *ds*, *nds*, or *ths*.

Inappropriate

- 1. 3/10ths
- 2. 1/32nd

Appropriate

- 1. 3/10
- 2. 1/32

5. Percent:

Use numerals and the percent sign to indicate all percentages except at the beginning of a new sentence. Examples:

Middle of sentence

a. Only 6% of the votes
were counted.

Beginning of sentence

a. Fifty-one percent of
the people voted "yes."

- b. The 18.9% figure was considered incorrect.
- b. Thirty-three percent was taken off the final markdown.
- c. Smithy's having a 20% to 30% sales event!
- c. Ten to twenty percent of college students are Latinos.

6. Dollar amounts:

- a. Use the numeral plus "cents" or "¢" for amounts under one dollar.

I need 15 cents.

I owe you 35¢.

- b. Use the dollar sign plus the numeral for dollar amounts under one million. For even dollar amounts of one million and greater, spell out "million," "billion," etc.

John brought only \$11.

Bob brought \$6.12.

The budget of \$13,000 will be sufficient.

Taxes will be reduced by a total of \$13 million.

He owes \$13,656,000.

- c. Use the word "dollar" only once for a range up to ten.

I hoped to find three to four dollars.

- d. Use the dollar sign and numerals when captioning a range of currency over ten dollars.

Alice expected a raise of \$6,000 to \$7,000.

7. Time:

- a. Indicate time of day with numerals only:

I awoke at 5:17.

If you wish to attend,
you must arrive by 6:25 P.M.

We were expected to report
no later than 1400 hours.

I awoke at 4 o'clock.

I awoke at 4
in the morning.

- b. Always use numerals with a.m. or p.m. Double zeros are not necessary to indicate minutes of the hour when a whole number is used with a.m. or p.m.:

She leaves at 3:20 p.m. for
the airport.

Our hours are from
9 a.m. to 5 p.m.

8. Measurement:

- a. Do not use symbols or abbreviations for units of measurement.
- b. Spell out "inches," "feet," "yards," "miles," "ounces," "pounds," "tablespoons," etc. However, if spoken in shortened form, symbols should be used. For example, "I'm five eight" should be captioned as:

I'm 5'8".
- c. For whole numbers, use numerals. For example, caption "3 cups of sugar" instead of "three cups of sugar."

FUNDING CREDITS

At the end of each CMP video, the following information should be added in caption form:
"Funding for purchase and captioning of this video was provided by the U. S. Department of Education: PH: 1-800-USA-LEARN (V)." No other credits or information should be added. Use the following line break:

Funding for purchase
and captioning of this video

was provided by the
U.S. Department of Education:

PH: 1-800-USA-LEARN (V).

BECOMING AN APPROVED CAPTIONING SERVICE VENDOR

Anyone interested in acting as a CMP captioning service vendor should contact the CMP or the U.S. Department of Education (ED). One of the NAD cooperative agreement tasks is to assist the ED in the evaluation of video captioning.

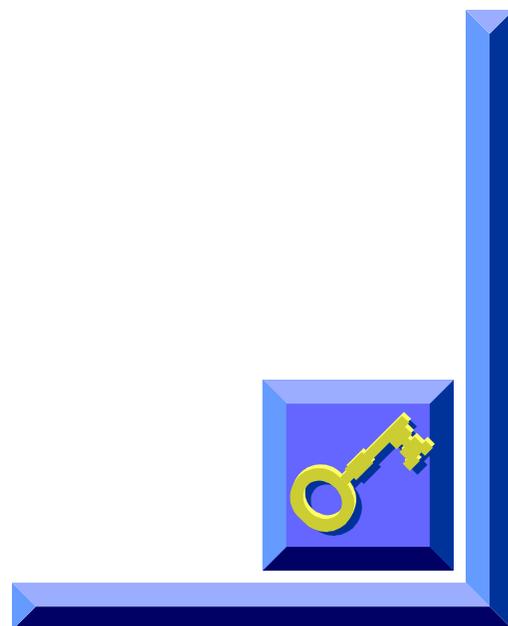
If approved vendors use the ED's name in their advertisements, the language must be as follows:

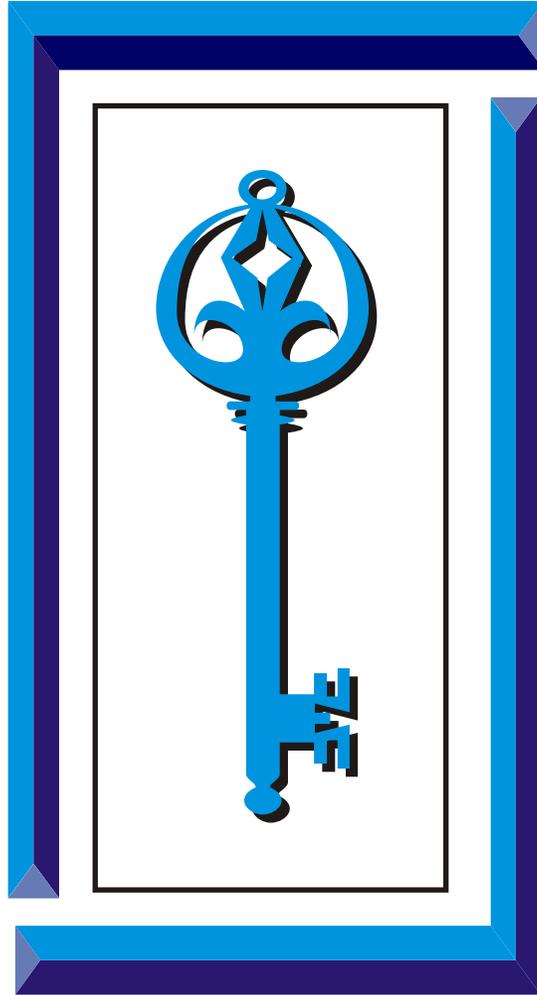
“(Name of Agency) is an approved captioning service vendor for the Captioned Media Program, Office of Special Education Programs, U.S. Department of Education. This does not infer an endorsement by the Department of Education.”

The CMP has numerous captioning and accessibility information materials regarding the CMP program, captioning, and other topics. Contact us at:

Captioned Media Program
National Association of the Deaf
1447 E. Main St.
Spartanburg, SC 29307
(800) 237-6213 V
(800) 237-6819 TTY
(800) 538-5636 FAX
info@cfv.org E-MAIL
www.cfv.org WEB

The ED also welcomes questions and comments and may be contacted at: 1-800-USA-LEARN (V).





Appendices



Proofreading Marks

Capitalize	=	John <u>doe</u>
Close up	⌋	o ne word
Delete or Change	X	take X out the ki ^{cat} X en was
Delete and Close up	⌋X	Clo X se
Insert	^	insert here or Mr Smith ^{this} ^f [.]
Change to italics	it.	www.cfv.org <i>it</i>
Lowercase	/	Jøhn Doe
Change to Roman type	rom	<i>The cat was not</i> rom
Space	#	insert a#space ^
Transpose	↷	transpsoe
Note change(s) that need to be made	←	S ⁱ X nce 1870, ←
Make 2 lines	2L	
Insert new time code	2TC	
Exceeds safety zone	E	
Line break	LB	
Move to the specified Line number	L#-#	L7-8
Move two spaces to the right or tab over	⌋	I know. ⌋ I know.

CAPTIONING RESEARCH RECORD

CAPTIONED MEDIA PROGRAM

Video Title: Battleships Page 1 of 3

Name of Person Completing This Form: Sally Jones

CAPTION NO.	ITEM RESEARCHED	COMMENT/NATURE OF RESEARCH	CORRECTION	SOURCE	VOLUME / PAGE NO.; WWW ADDRESS; MULTIMEDIA TYPE
01:23:15	USS Honolulu	periods	ok	www	http://nps.gov/usar/index.htm
02:46:01	Joe DeMaggio	sp.	DiMaggio	WBD	p. 261
06:11:29	war ships	1 or 2 words	warship	RHD	CD-ROM
09:25:19	best defended base	hyphen	best-defended	GR	¶ 822b
13:15:10	Krampe Ship Building Co.	sp. & cap.	Cramp Shipbuilding Co.	www	http://www.cramp.com/cwest.html
21:33:16	Yomahto	sp.	Yamato	EB	v.6. p. 449
25:12:23	two week's leave	possessive	weeks'	GR	¶ 627
32:58:23	kerrdumph	sp.	kerdumf	SD	p. 640
35:55:05	Western Hemisphere	cap.	ok	RHD	CD-ROM
38:03:17	bluetongue	1 or 2 words	ok	RHD	p. 150
40:00:14	boat maker	1 or 2 words	assumed ok		not in any 3 dictionaries
41:19:03	Terry Wecht (narrator)	sp.	assumed ok		not in ending credits but in co. script
42:45:29	clevis	sp.	ok	RHD	CD-ROM
43:30:15	Hyannisport	sp.	Hyannis Port	www	http://hometownamerican.com
51:05:00	crash of 1929	cap.	Crash of 1929	EB	CD-ROM
52:25:13	Gloire	sp. & q. marks	sp. --ok q. marks --yes	Encarta '98 & Captioning Key	CD-ROM 6-4 #3

Use the following abbreviations for standard source (provide abbreviations for other sources you use):

RHD = Random House Dictionary
 MWO = Merriam-Webster Online
 GR = Gregg Reference Manual
 CMS = Chicago Manual of Style
 AHD = American Heritage Dictionary
 EB = Encyclopaedia Britannica

OTHER SOURCES

1. WBD = Webster's Biographical Dictionary
2. SD = Slang Dictionary
3. _____
4. _____
5. _____