

Accessible Media – Tips, Techniques, and Resources

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State of Minnesota

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Who we are



- Office of Accessibility, State of Minnesota
- Policies, procedures, best practices
- [MN Accessibility website \(mn.gov/mnit/accessibility\)](https://mn.gov/mnit/accessibility)

Office of Accessibility site

The screenshot shows the top portion of a web browser displaying the Minnesota IT Services website. The address bar shows the URL <https://mn.gov/mnit/programs/accessibility/>. The page header features the Minnesota IT Services logo on the left, a search bar on the right, and a navigation menu below. The navigation menu includes links for About MNIT, Services, Programs, For Vendors, Careers, Get Help, Newsroom, Blog, and Cybersecurity. A breadcrumb trail below the navigation menu reads: [Home](#) > [Programs](#) > [Accessibility](#).

- Programs**
- ▶ Accessibility
 - Electronic Documents
 - IT Procurement
 - Meetings
 - Multimedia
 - No Mouse Challenge
 - Social Media
 - Websites and Applications
- BUY.IT
- MN Geospatial
- Policies and Standards
- Security



[Accessibility Standards](#)

State law requires state agencies to adhere to federal standards for accessible documents and websites. Find helpful information on meeting those standards.

[Meetings](#)

Make meetings and presentations accessible. Guidelines and resources to help ensure that anyone can effectively participate in your meetings.

[Websites and Applications](#)

Tools, training and testing information to help you create accessible websites and applications.

[Electronic Documents](#)

User guides, training and testing information to help you create accessible Microsoft Office and Adobe PDF documents.

[Multimedia](#)

Tools, training and testing information to help you create accessible videos, podcasts, webinars and other multimedia.

[IT Procurement](#)

Information, guidance and tools to help you procure accessible IT products and services.

[Social Media](#)

Tips for effective, accessible social media use and outreach.

Area of Focus



Learning Objectives

After completing this session, attendees will be able to:

- Explain the key components of an accessible video or multimedia
- Articulate multiple business cases for making media accessible
- Design the appropriate solution for different media delivery channels
- Differentiate between workaround solutions and accessible media
- Propose next steps for making media accessible at his/her workplace

Not a “How-to” course

Check Resources page and our [website](#) for more information

mn.gov/mnit-accessibility/captioningessentials/

Video Captioning Essentials
a web-based training course

Commission of Deaf, DeafBlind and Hard of Hearing Minnesotans

Welcome!

Welcome to *Video Captioning Essentials*, a self-study course designed to help managers master the basic tools needed to deliver captioned web videos that are useful, cost-effective, and satisfy legal and regulatory requirements. This course is designed for:

- Communications managers
- IT managers
- Webmasters
- Video producers and editors
- Anyone else responsible for managing an **organization's** website content.

This course teaches the basic concepts that you need in order to make an informed decision on what tools and resources to use to caption your web videos, and then how to go about doing it. If you take the entire course, you will learn how to:

- Define captions and how consumers access them
- Present the business case for captioning web videos
- Outline the general process for captioning recorded and live web videos
- Explain the difference between using web captioning tools and offline tools and the options for each approach
- Do an analysis of the organization's captioning needs to determine what approach to take
- Explain how YouTube facilitates transcription and captioning
- Arrange for live captioning of a web event
- Contract for captioning services

This course does NOT teach you how to use a particular program. It focuses on the knowledge and tools you need to use any particular application or resource.

Ready to begin? Click [TAKE THE COURSE](#) and you'll be on your way to captioning for the web!



Click here to take the FREE course!

[Contact Us](#) | [Give Us Your Feedback](#) | [Return to MCDHH's Website](#)

This online training course is brought to you by the Commission of Deaf, DeafBlind, and Hard of Hearing Minnesotans, a Governor appointed Commission that advocates for equal opportunity for Minnesotans who are deaf, deafblind and hard of hearing.

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Let's Get Started: General Concepts

#A11Y

What is accessible media?

- **Captioning:** synchronized, accurate text with (when appropriate) speaker ID and sound effects
- **Audio description:** integrated and added versions
- **Transcript:** complete, formatted transcript
- **Player:** usable by keyboard and assistive technology (AT)
- **User-controlled:** no auto-play; the ability to pause, rewind, step back

Other key terms to know

- Live
- Recorded/offline/on-demand
- Webinar/webcast/webconference
- CART
 - Communication Access Realtime Translation
- SEO
 - Search Engine Optimization



Benefits of accessible media: creator

- Increased SEO (can Google hear?)
- Improve site visitor metrics
- Increased employee retention
- Reduce risk profile

Benefits of accessible media: user

- All users have access to the information
- Better understanding and retention through multiple sources
- Can watch in noisy environments
- Can watch without audio
- Can listen without video
- Can read offline

Rules? What Rules?

Risk

- ADA/Section 504
- 21st Century Act (CVAA)
- FCC Quality Order (Feb 2014)

Technical standards

- WCAG 2.0
- Section 508

Contents Filter Hide

- 1. Perceivable
 - 1.1 Text Alternatives
 - 1.1.1 Non-text Content
 - 1.2 Time-based Media
 - 1.2.1 Audio-only and Video-only (Prerecorded)
 - 1.2.2 Captions (Prerecorded)
 - 1.2.3 Audio Description or Media Alternative (Prerecorded)
 - 1.2.4 Captions (Live)
 - 1.2.5 Audio Description (Prerecorded)
 - 1.2.6 Sign Language (Prerecorded)
 - 1.2.7 Extended Audio Description (Prerecorded)
 - 1.2.8 Media Alternative (Prerecorded)
 - 1.2.9 Audio-only (Live)
 - 1.3 Adaptable
 - 1.3.1 Info and Relationships
 - 1.3.2 Meaningful Sequence

Selected Filters: all success criteria and all techniques.

1.2.2 Captions (Prerecorded) — Level A

Captions are provided for all prerecorded audio content in synchronized media, except when labeled as such.

[Show techniques and failures for 1.2.2](#)

1.2.3 Audio Description or Media Alternative (Prerecorded) — Level A

An alternative for time-based media or audio description of the prerecorded video content in synchronized media and is clearly labeled as such.

[Show techniques and failures for 1.2.3](#)

1.2.4 Captions (Live) — Level AA

Captions are provided for all live audio content in synchronized media.

[Show techniques and failures for 1.2.4](#)

General guidelines to live by

- Flash is only mostly dead
- Check before you link
- Do you know your audience?
- What's your container?
 - Check for native support
 - Avoid auto-play when possible
 - Most do not have AD support
 - May need two versions
 - Workarounds

Lay the groundwork

- Start with a policy. So it's not just you. Teamwork helps.
- Establish practices to support the policy
- Build a checklist to implement the practice

You've got a policy

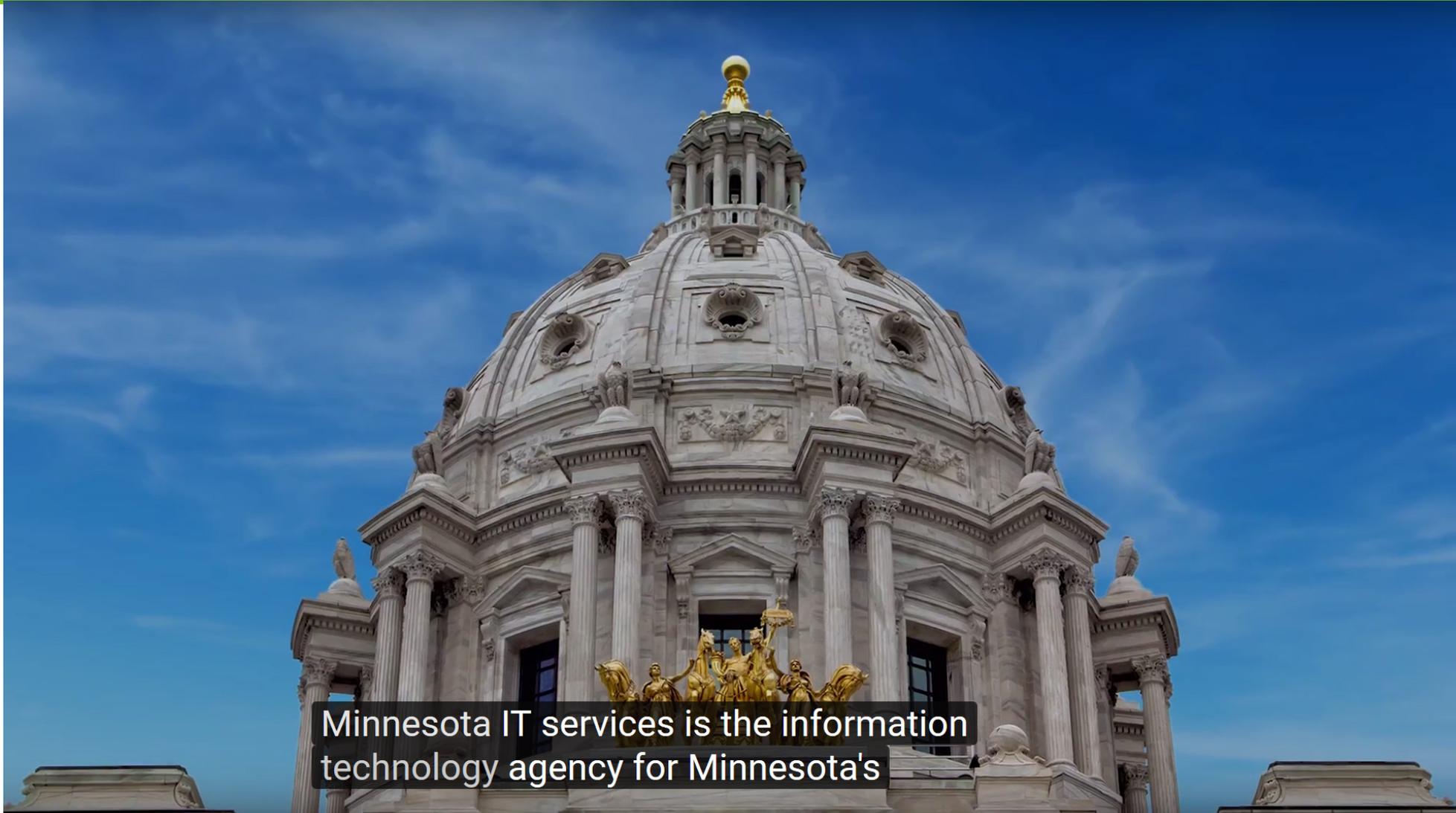
Impacts all multimedia including but not limited to:

- live and recorded video
- webcasts
- webinars
- web conferences
- closed circuit TV...

When does the policy require captioning?

- Live: it depends
 - RSVP: require a request
 - No RSVP: caption it!
- Recorded: always!

Captioning: Quick Review



Minnesota IT services is the information technology agency for Minnesota's

Why Captioning Matters

- Ensures access by people who can't hear well
- Supports auditory information
- Improves content retention

...in addition to the benefits noted earlier

Who creates recorded captioning?

- It depends...
 - How long is it?
 - How is the material recorded?
 - How do users access the media?
 - What is the media's purpose?
- What about automated captioning?

Who creates live captioning?



Audio Description: Quick Review



Why Description Matters

- Extends access to those who can't see well
- Increases flexibility for those who don't have access to a monitor
- Promotes universal design

...in addition to the benefits noted earlier

Who creates recorded description?

Trained audio describers

- Detailed review of program
- Create description script
- Record second audio file



Who creates live description?

- Third-party describers are more common at plays and similar stage productions
- For live media, script key visuals or describe as you talk
- When presenting slides, think: is there any critical visual information you need to provide?
- Advance handouts are useful

Transcripts: Quick Review

[dial tone humming]

[phone beeping]

>> Welcome to the State of Minnesota's Conference Center.

Enter your conference code followed by the pound or hash sign.

Thank you.

If you are the leader, press star now.

Please enter your leader pin followed by the pound or hash sign.

[various conversations]

>> Jennie: Linda Shoemaker is online.

>> Kim: I'm still upset about the use of buttons.

Why Transcripts Matter

- Alternate mode of access & reference
- Extends access to those who don't see well or have cognitive difficulties with audio or visual media
- Enables more efficient understanding for some users

...in addition to the benefits noted earlier

What's in a transcript?

- Complete text of audio
- Speaker ID (if multiple speakers)
- Accessible format (such as well-tagged PDF or ordered text file)
- YouTube bonus: timed with video



MN.IT Document Accessibility Basics

Module 3: Audio Example Transcript

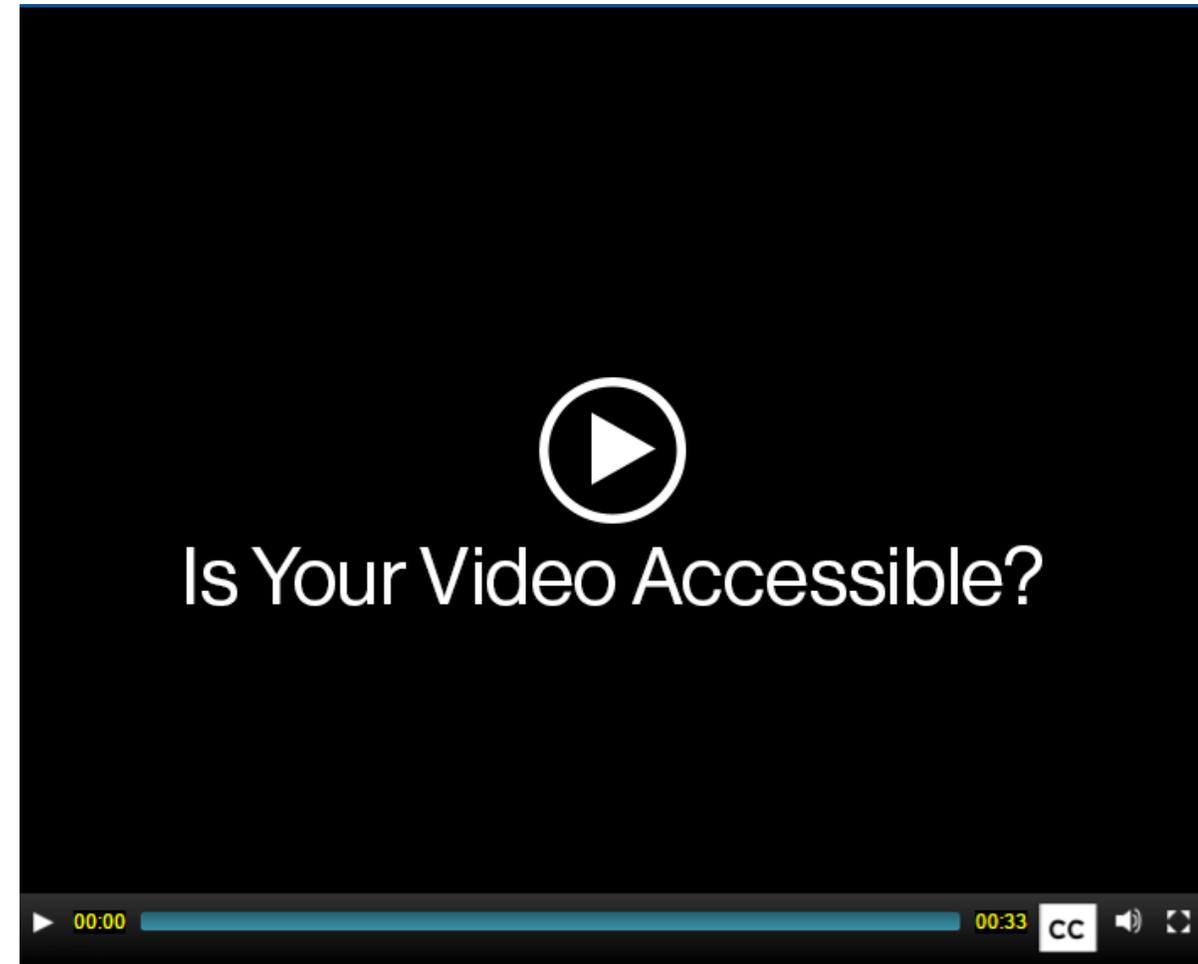
Poor Color Contrast Audio Example

Background noise and static make it difficult to hear the speaker say the following:

Minnesota is naturally beautiful. Many different species of both plants and animals live here. Loss of habitat has affected some native animal species, but whitetail deer and bobcat continue to thrive. Minnesota has the largest population of timber wolves outside Alaska. It also supports healthy populations of black bear and moose.

What about the player?

- Container vs. roll your own
- Issues to watch for:
 - Keyboard accessible
 - Spacebar: pause/start regardless of focus
 - CC button
 - AD button
 - Transcript
 - Interactive transcript
 - Interpreter window



Player examples

Creating a New Table

▶ 00:00

00:42



Captioning and description options

Meet a Geophysicist: Harmony Colella



d Stream Described Now

c Stream Captioned Now

3 minutes



Harmony Colella, a postdoctoral research fellow, shares an earthquake as a child in Southern California in the "EarthScope Chronicles" series.

Preview

Able Player Video Demo #3: Video player with text-based audio description (VTT)

For additional demos see the [Index of Able Player Examples](#).



Captioning and “live” transcript

Meet a Geophysicist: Harmony Colella

All Topics » Topic: Science » Subject: Earth Sciences » Meet a Geophysicist: Harmony Colella

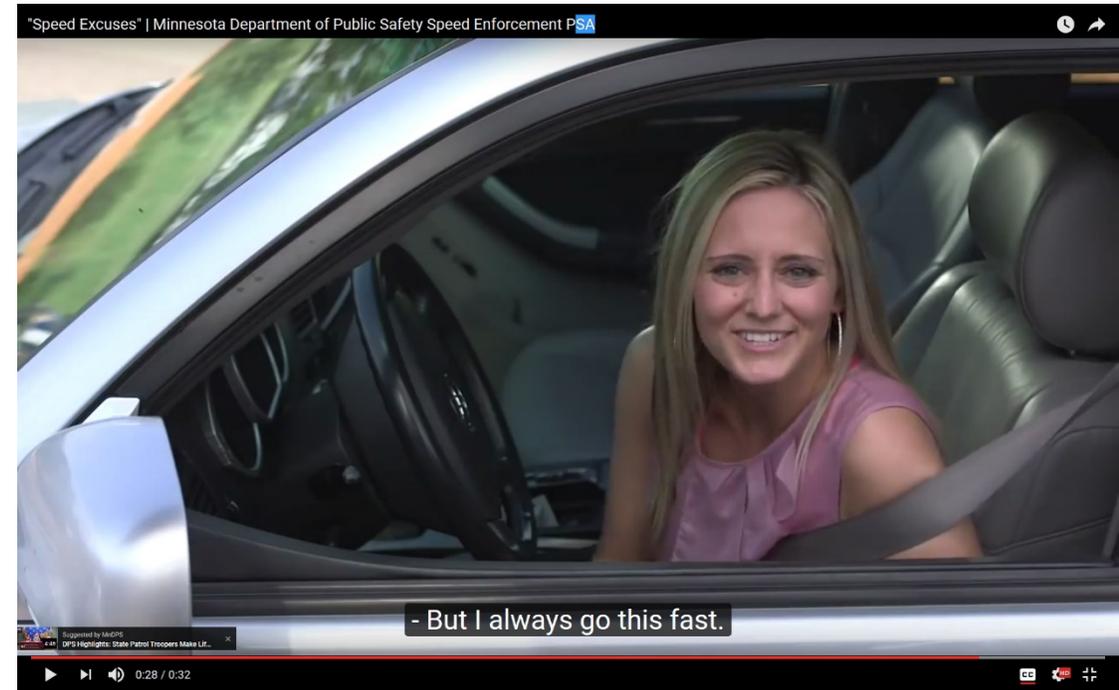
2015 Grade/Interest Level: 6 - 12 Running Time: 3 minutes **Captioned English**



The video player interface includes a search bar at the top left with a magnifying glass icon and navigation arrows. The live transcript on the left shows the current caption: "And I was just amazed that there was a process" in an orange box, with the full transcript below: "that could cause so much shaking. And after we surveyed what kind of damage was caused". The video frame shows a woman in a green top with a play button overlay. The caption at the bottom of the video frame reads: "And I was just amazed that there was a process". On the right side, there are controls for "English:" with "Desc" and "Cap" buttons, "Transcript:" with "On" and "Off" buttons, and "Sharing:" with code and Facebook icons.

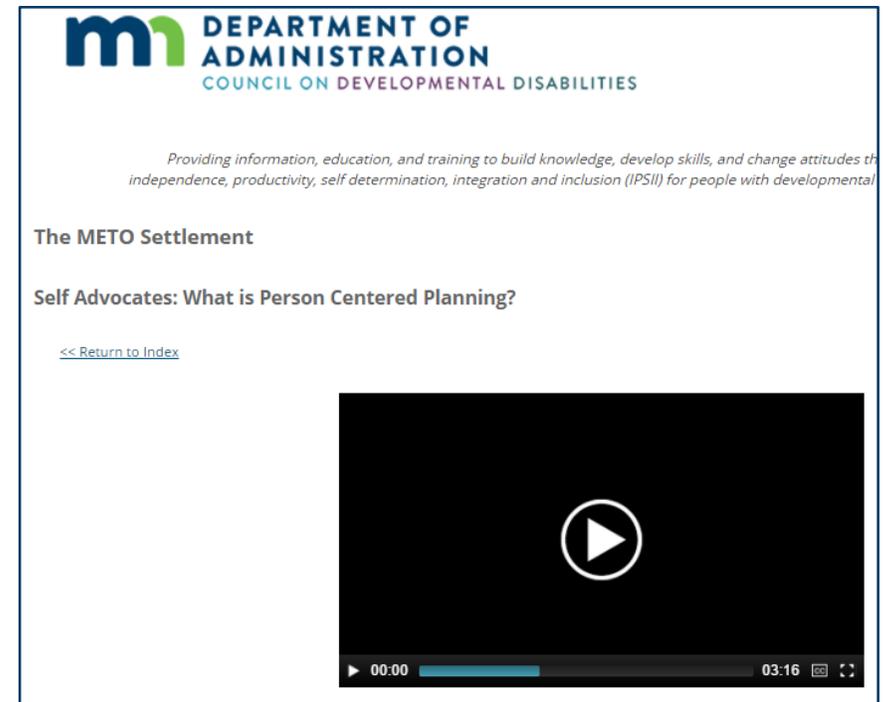
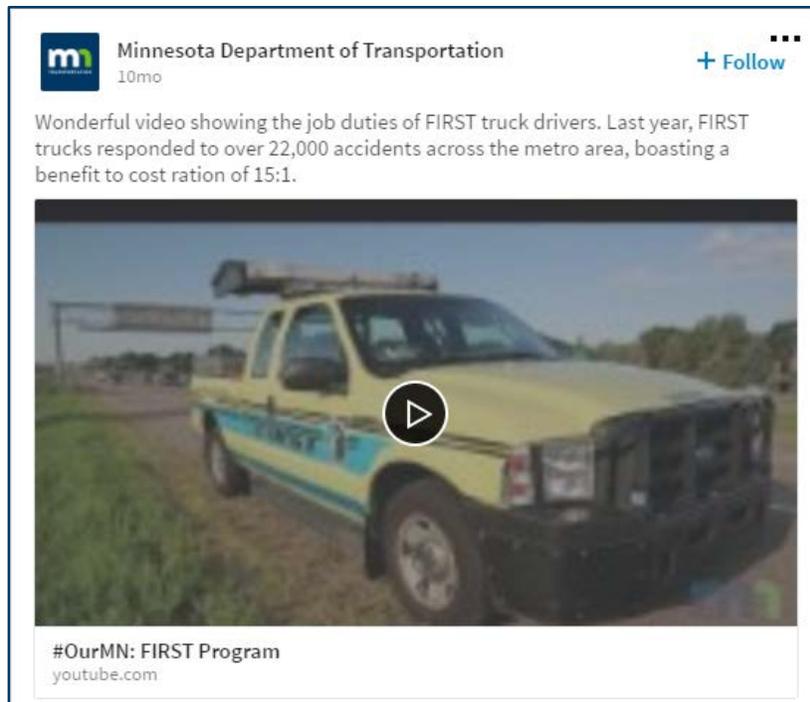
Let's talk about linking and auto-play

- Linking, or how you give the user access to the media
- Auto-play, or whether the user can control access
 - Container dependency
 - Check for user settings



Link and auto-play examples

- Hyperlink with meaningful text, such as this [DPS Speed Excuses video](#)
- Link preview
- Embedded video



Linking to
external
video





SharePoint
doesn't
count, right?

Who's your friend?

Google

Search Google or type URL



Let's dive a little



- Social Media Broadcast
 - YouTube, Facebook, Periscope, Instagram, etc.
- Webcast
 - WebEx, Adobe Connect Pro, GoToMeeting, Blackboard
- Video
 - Skype, Google Hangouts, Zoom
- Roll your own
 - FCC Live

Determine container supports

- Does the container support captioning?
 - Be sure to test before you drive
- If no captioning support
 - Can you use something else?
 - CART as a workaround
 - Post a second URL



The CART Workaround

Consult CART provider

- Caption overlay for viewing by all
- Second URL for separate captioning window
 - Include in webcast/video announcement

Captioned Text

https://www.captionedtext.com/client/event.aspx?EventID=20

Suggested Sites Web Slice Gallery Subscribe... Imported From IE Other bookmarks

Role-Based Accessibility: Event in Progress: Captioner is present
Everyone Is Responsible 00:43:02

And if I have to navigate with my keyboard what happened. And interaction design is also covering any content that might flash. And they are also looking at devising errors talk so as you can see, I mentioned minimizing errors and errors and another role. So many of these roles and duties overlap. But people will be looking at the same thing. So people are not bearing all the work by themselves.

Is really a cooperative process.

So what comes to graphics design, this is when the designers and developers get to work together. Because they're looking at behaviors again. They are establishing a logical design in the reading order. And they are also ensuring that there is sufficient color contrast with any items. Or that you are not using color alone to convey a message or a content.

This is also when designers will look at using text, real text, rather than graphics of text. And the issue with that is people who are using screen magnification software have a hard time with graphics of text. Because the ethics add larger resolution become deflated. And it is difficult to read.

And the designers are also ensuring that the font size is readable. Because I have noticed that in some cases, the font size is small and sometimes people read that content more. But if it is content that is meant to be printed out, you wanted to be a bit larger. And you also want to ensure that any content on the screen will match – is readable for anyone.

And now we are at the prototyping and this is when we build templates for the HTML or any type of template paper for your software. And you want to make sure they were separating content from style. Meeting that – meaning that your HTML or whatever you're using to develop is not using styles inside of that code talk you would want to ensure that you're using separate stylesheets. Mac and this is when you'd also focus on the language of the page. You want to define the language that your pages in. So screen readers will enunciate – pronounce the words rapidly.

And you want to indicate any glitch in the language so that the screen reader will also read that language properly. In the prototyping phase – this is when they would input any all text or ensure that there is a placeholder for that.

One thing we sometimes overlook, is that pages should first properly. Meaning that the code should validate as well as possible. And sometimes people say that code that is well-written does not impact assessability. And that can be true but or that code that is poorly written will not impact assessability. And sometimes that is true also. But it is best for compatibility with as many devices and platforms as possible. To have the cleanest code that you can generate. So when you start out with your prototyping phase, you want to make sure that your code is as clean as possible but there's just no reason to have [sloppy](#)

Font: Arial 10pt White Background: Black

New Text: Blue Refresh: 1 sec Transcript Help

Message Center

Speak into the Event

Send

- Meeting Center: CC supported
- Training Center: No native CC option
- Event Center: No native CC option

WebEx CC Settings

In the “Schedule a Meeting” option:

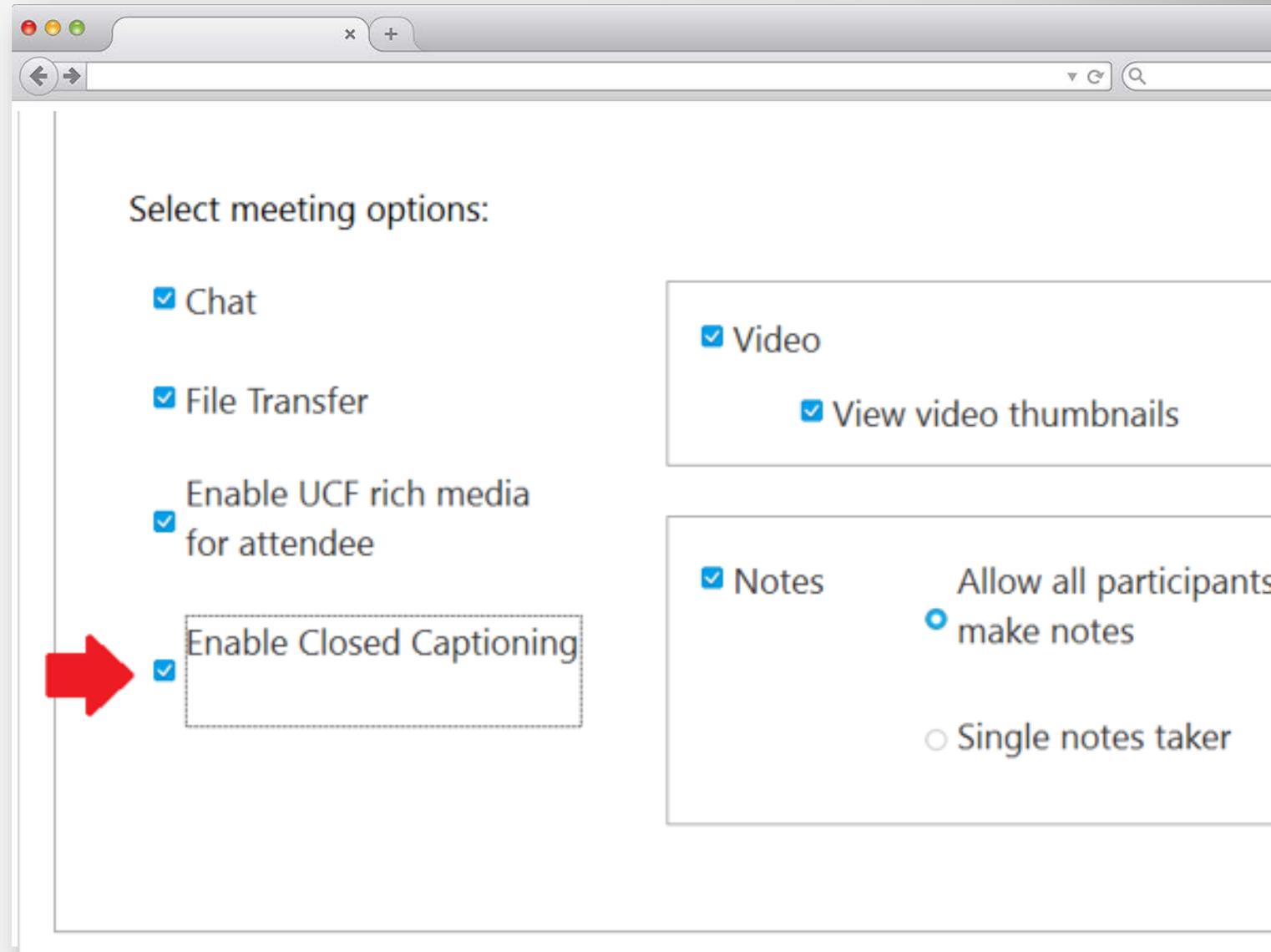
- Select link to “Advanced Scheduler”
- From “Required Information” timeline, select “Meeting Options”
- Select “Enable Closed Captioning”
- Select “Save as template” link

The screenshot displays the WebEx Meeting Options page. The page title is "Meeting Options" and it includes a "Return to Quick Scheduler" link. Below this, it prompts the user to "Select options that you want participants to have when meeting begins:". The "Meeting options:" section contains several checked items: Chat, Video, Turn on high-quality video, Turn on high-definition video, View video thumbnails, Notes, Allow all participants to take notes, Enable closed captioning (highlighted with a red arrow), File transfer, and Enable UCF rich media for attendees. There is also an unchecked option for "Single note taker". At the bottom, there is a "Save as template" link and a "Schedule Meeting" button, along with "Back", "Next", and "Cancel" buttons. A right-hand sidebar shows a numbered list of steps: 1. Required Information, 2. Date & Time, 3. Teleconference, 4. Invite Attendees, 5. Registration, 6. Agenda & Welcome, 7. Meeting Options (highlighted), 8. Attendee Privileges, and 9. Review. The MNT SERVICES logo is visible in the top left corner of the browser window.

WebEx – Quick CC

Enable captioning before starting meeting

- Create a template for scheduled meetings
- No template options for Personal/Meet Now room
 - In meeting room, from top menu, Meeting>Options>General >Enable Closed Captioning



WebEx CC Enabled – Now What?

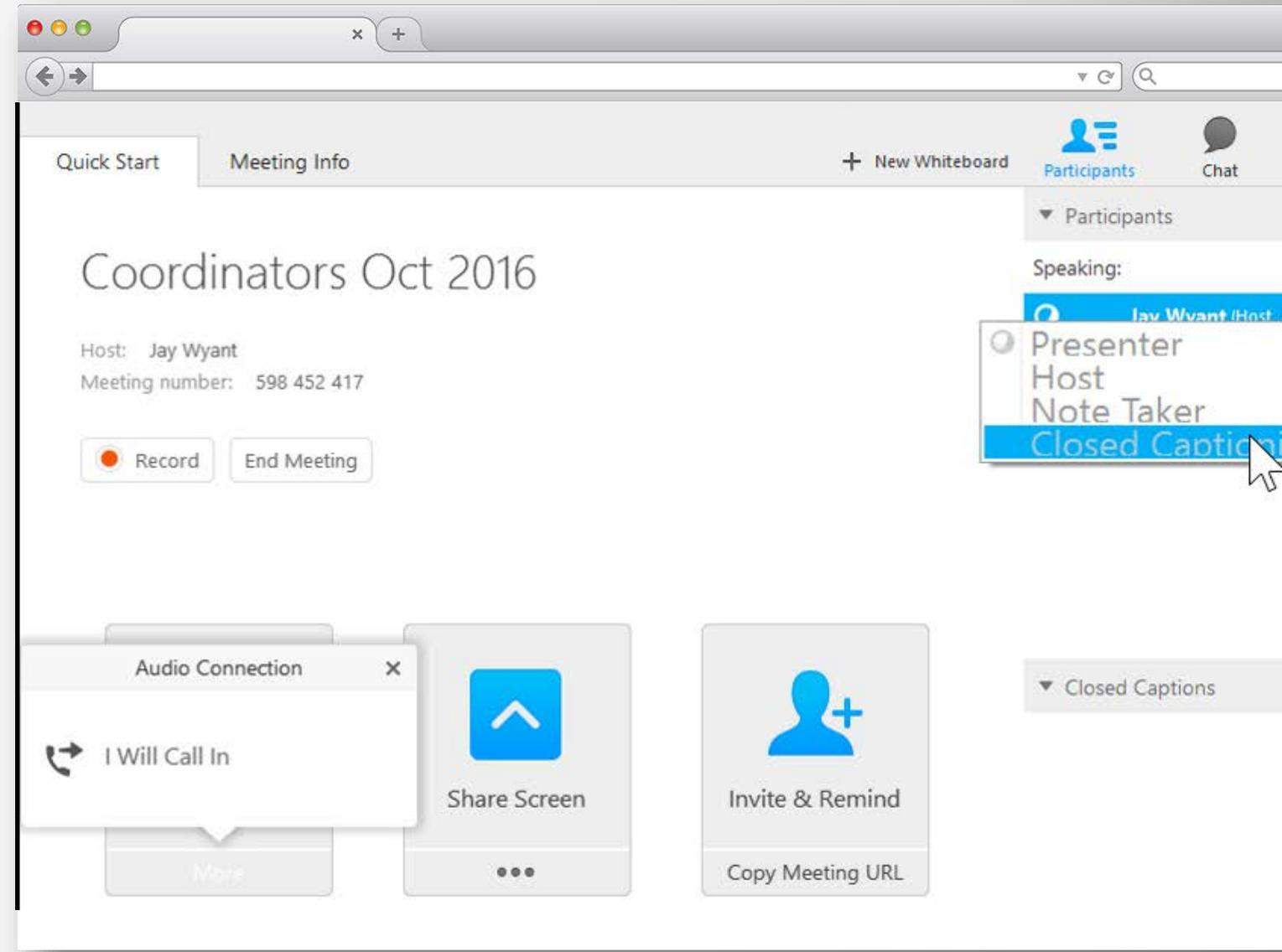
Enable captioning panels

The screenshot shows the Cisco WebEx Meeting Center interface. The top menu bar includes 'File', 'Edit', 'Share', 'View', 'Audio', 'Participant', 'Meeting', and 'Help'. Below the menu bar, there are tabs for 'Quick Start' and 'Meeting Info', and a '+ New Whiteboard' button. The main content area displays 'Coordinators Oct 2016' with host information: 'Host: Jay Wyant' and 'Meeting number: 598 452 417'. There are 'Record' and 'End Meeting' buttons. A floating icon tray is visible at the bottom, containing 'Audio Connection', 'I Will Call In', 'Share Screen', 'Invite & Remind', and 'Copy Meeting URL'. The 'Participants' panel is open, showing 'Speaking: Jay Wyant (Host, me)'. A red circle highlights the 'CC' icon next to the host's name. Another red circle highlights the 'Notes' menu item in the top right corner.

The 'Manage Panels' dialog box is shown, titled 'Manage Panels'. It contains the text 'Please select panels you want to enable:'. There are two lists: 'Available panels:' and 'Current panels:'. The 'Available panels:' list contains 'Polling' and 'Closed Captions *'. The 'Current panels:' list contains 'Participants', 'Chat', 'Recorder *', and 'Notes *'. Between the lists are buttons: 'Add >>', '<< Remove', 'Move Up', and 'Move Down'. At the bottom, there are 'Reset', 'OK', and 'Cancel' buttons. A checkbox is checked with the label 'Allow participants to change the sequence of panels.' A note at the bottom states: '*These panels are available to participants with appropriate privileges. Note: On the floating icon tray, only the first four panels will be displayed. The remaining panels will be available from the menu.'

Assign Captioner

- Right click CC icon by presenter for menu options



Example: YouTube (live)

- Robust support for inserting captions into feed
- Work with your caption provider
 - Can be a CART writer or other live caption service provider
 - Must use supported software

YouTube live format support

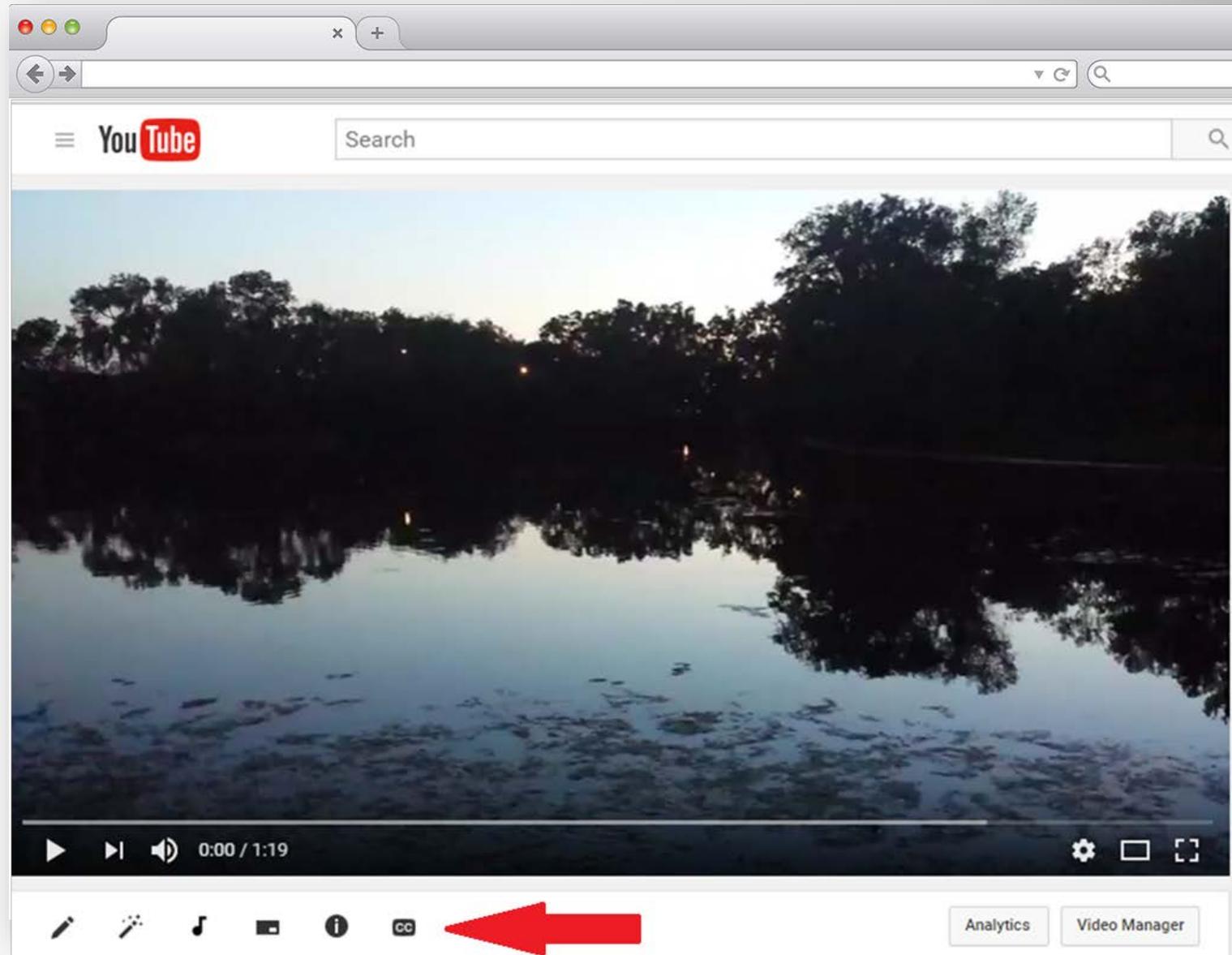
- Can use TV format (608/708 files)
- Live stream delivery options:
 - Total Eclipse
 - Case CATalyst
 - CaptionMaker
 - StreamText.net

- Social media channels (YouTube, FB, etc.)
- Websites, emails (GovDelivery)
- Archived live webcasts and webinars
- E-learning

Example: YouTube (recorded)

- Robust captioning support
 - Create automated captions for transcript
 - Upload transcripts and caption files
 - Edit caption file
 - Synchronize transcript
- Look in Video Manager for features
 - Or: Creator Studio>Video Manager>Videos
- Challenge: still autoplay. Link with “[Video]”

YouTube: Where to find cc edit



Captioning options in YouTube

The screenshot displays the YouTube Creator Studio interface. On the left is a navigation sidebar with the following items: CREATOR STUDIO, DASHBOARD, VIDEO MANAGER (highlighted in red), Videos (highlighted in red), Playlists, Copyright Notices, LIVE STREAMING, COMMUNITY, CHANNEL, ANALYTICS, TRANSLATIONS & TRANSCRIPTIONS, and CREATE. The main content area has a top navigation bar with tabs: Info & Settings, Enhancements, Audio, End screen & Annotations, Cards, and Subtitles & CC (which is selected and underlined in red). Below the navigation bar, the page title is 'Manage subtitles and closed captions: English'. A video player is shown with the title 'Urban wildlife' and a thumbnail of a lake at dusk. The video player controls at the bottom show a play button, a volume icon, a progress bar at 0:00 / 1:19, a CC icon, and a settings gear. To the right of the video player is a 'SELECT METHOD' section with the text 'Choose how you want to add subtitles or closed captions to this video:'. Below this text are three buttons: 'Upload a file', 'Transcribe and auto-sync', and 'Create new subtitles or CC'. Each button has a question mark icon in the bottom right corner.

CREATOR STUDIO

- DASHBOARD
- VIDEO MANAGER
- Videos**
- Playlists
- Copyright Notices
- LIVE STREAMING
- COMMUNITY
- CHANNEL
- ANALYTICS
- TRANSLATIONS & TRANSCRIPTIONS
- CREATE

Info & Settings Enhancements Audio End screen & Annotations Cards **Subtitles & CC**

Manage subtitles and closed captions: English

Urban wildlife

SELECT METHOD

Choose how you want to add subtitles or closed captions to this video:

- Upload a file
- Transcribe and auto-sync
- Create new subtitles or CC

0:00 / 1:19

Editing captions in YouTube

The screenshot shows the YouTube video editor interface. On the left, a list of subtitle entries is displayed with their start and end times and the text content. The entry at 0:15.2 is selected. On the right, a video player shows the video with a subtitle overlay at 0:18. Below the video player, a timeline shows the video's duration and the position of the selected subtitle.

Actions

Type subtitle here then press Enter +

Start Time	End Time	Text	Actions
0:00.6	0:04.8	Minnesota IT Services is the information technology agency	
0:04.8	0:07.7	for Minnesota's executive Branch.	
0:07.7	0:10.9	We work in partnership with state government agencies	
0:10.9	0:15.2	to deliver the technology solutions that power the State of Minnesota.	
0:15.2	0:17.5	We build and secure technology that helps	✕ +
0:17.5	0:20.7	to provide our children access to quality education.	
0:20.7		Helping us stay healthy	

Minnesota IT Services - Who We Are

0:18 We build and secure technolo

0:15 / 2:27

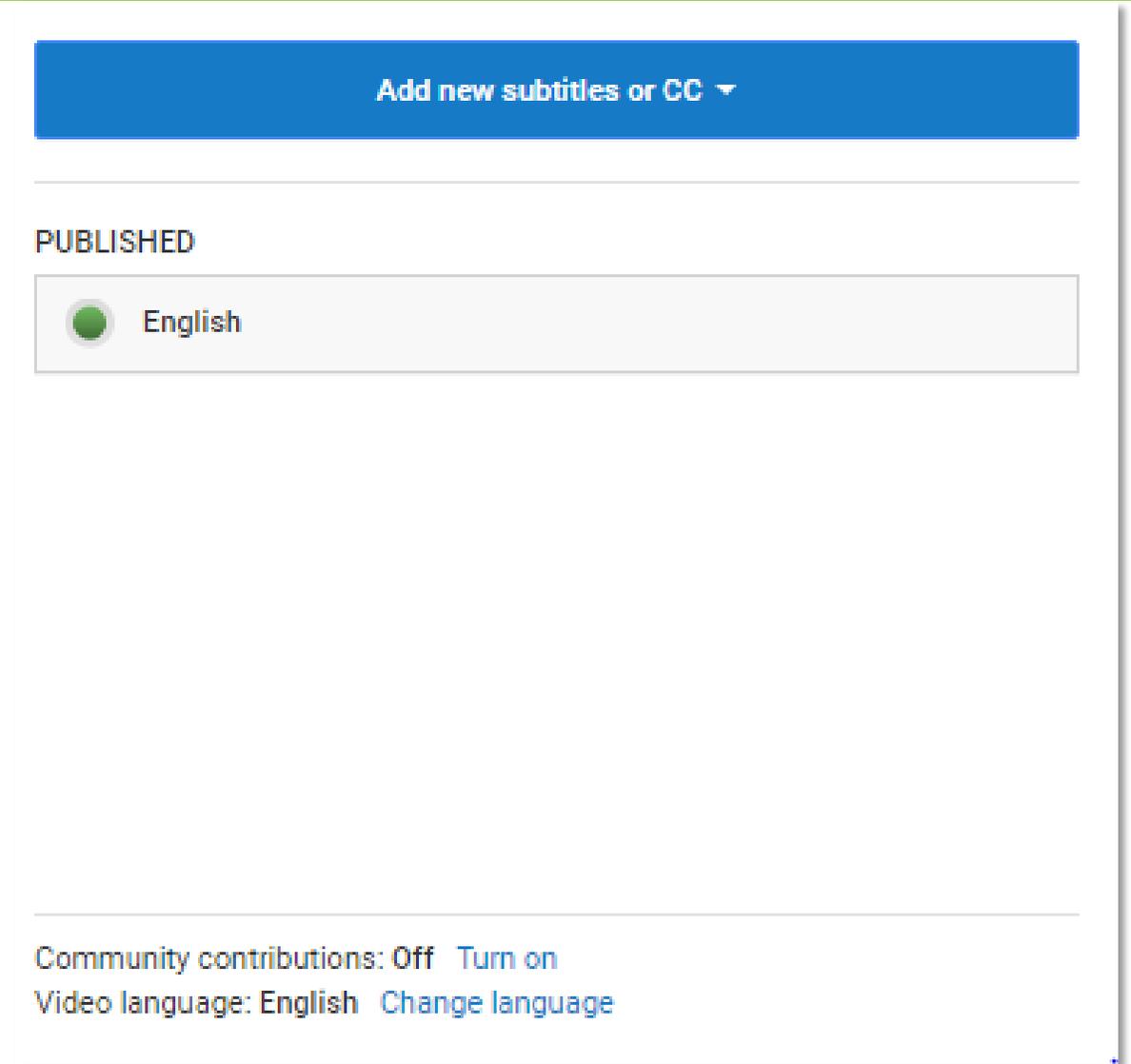
0:14 0:15 0:16 0:17 0:18 0:19 0:20

ology solutions We build and secure technology to provide our children
e of Minnesota. that helps access to quality
education.

Pause video while typing

Publishing captions in YouTube

- Note “community contributions” option
- Video language: prompt should occur when launching the caption/subtitle feature



Hosting on webserver or streaming server

- Step 1: Pick a good player
 - Disable auto-play
 - Full keyboard control
 - Independent volume control
 - Support captioning
 - Bonus: support audio description

- Step 2: Caption the video
 - [Amara](#)
 - WGBH's [Cadet](#)
 - Telestream's [CaptionMaker/MacCaption](#)
- Step 3: store caption file with same name in same folder as video
 - VTT, srt, sbv, TTML, SAMI

Transcript revisited

Minnesota IT Services - Who We Are



Minnesota IT Services



+ Add to ↗ Share ... More

Transcript

English (auto-generated) ▾

0:19 education helps us stay healthy keeps us
0:23 moving preserves our outdoors lakes and
0:26 streams and keeps all of us safe the
0:29 state of Minnesota's network covers 26
0:32 executive branch agencies around 70
0:34 boards and commissions 200 higher
0:37 education campuses more than 100 school
0:40 districts 60 public libraries and 140
0:43 law enforcement locations across the

Another way to think of poor color contrast is to think of trying to listen to someone while in a noisy, crowded room. To hear an example of poor color contrast, select the speaker icon below. You can also download a transcript of the audio by selecting the Download Transcript button.



Download
Transcript

Let's talk Description

- Audio Description, a.k.a. Video Description
 - It's required
 - It's very expensive
 - It can be included in the script
- Moral: plan ahead

The screenshot shows a web browser window with a search bar and navigation buttons. Below the search bar, there are tabs for 'Contents', 'Filter', and 'Hide'. A yellow banner at the top of the content area reads 'Selected Filters: all success criteria and all techniques.' The main content is a list of accessibility criteria. The left sidebar shows a tree view with '1.2.2 Captions (Prerecorded)' selected. The main content area displays the details for this criterion, including a description and a button to 'Show techniques and failures for 1.2.2'.

Selected Filters: all success criteria and all techniques.

1.2.2 Captions (Prerecorded) — Level A
Caption are provided for all prerecorded audio content in synch... labeled as such.
[Show techniques and failures for 1.2.2](#)

1.2.3 Audio Description or Media Alternative (Prerecorded)
An alternative for time-based media or audio description of the... media alternative for text and is clearly labeled as such.
[Show techniques and failures for 1.2.3](#)

1.2.4 Captions (Live) — Level AA
Caption are provided for all live audio content in synchronized...
[Show techniques and failures for 1.2.4](#)

Scripting your media

The screenshot displays the Microsoft Word interface. The ribbon is set to the 'HOME' tab, with the 'Styles' group selected. The 'Heading 1' style is highlighted in the Styles Gallery. The text 'Working with Styles' is selected in the document, and the 'Heading 1' style is being applied. A black box with white text 'ALT+CTRL+1' is overlaid on the ribbon, indicating the keyboard shortcut for applying the selected style. A text box at the bottom of the screen provides instructions: 'Next, select the desired style, Heading 1, from the Styles Gallery Pane, or press Alt+Ctrl+1.' The video player interface at the bottom shows a progress bar at 00:48 of 00:55, along with a Creative Commons license icon.

Document1 - Word

FILE HOME INSERT DESIGN PAGE LAYOUT REFERENCES MAILINGS REVIEW VIEW

Paste Clipboard Font Paragraph Styles Editing

ALT+CTRL+1

Working with Styles

Next, select the desired style, Heading 1, from the Styles Gallery Pane, or press Alt+Ctrl+1.

00:48 00:55 CC

When you need help with Description

- Reference [DescriptionKey.org](https://www.descriptionkey.org/) for expectations
 - Guidelines for description preparation and script
 - Unique description voice
- Hiring a provider
 - Review script in advance
 - Require high-quality audio
 - Ensure appropriate file format
 - Delivery: separate link or access within player?

HTML5 – VTT scripting

WebVTT: The Web Video Text Tracks Format



W3C Working Draft 13 July 2017

This version:

<https://www.w3.org/TR/2017/WD-webvtt1-20170713/>

Latest published version:

<https://www.w3.org/TR/webvtt1/>

Editor's Draft:

<https://w3c.github.io/webvtt/>

Previous Versions:

<https://www.w3.org/TR/2015/WD-webvtt1-20151208/>

Test Suite:

<https://github.com/w3c/web-platform-tests/tree/master/webvtt>

Editor:

[Simon Pieters](#) ([Opera Software ASA](#))

Former Editors:

[Silvia Pfeiffer](#) ([NICTA](#))

[Philip Jägenstedt](#) ([Opera Software ASA](#))

[Ian Hickson](#) ([Google](#))

Participate:

[GitHub w3c/webvtt](#) ([new issue](#), [open issues](#), [legacy open bugs](#))

Commits:

[GitHub w3c/webvtt/commits](#)

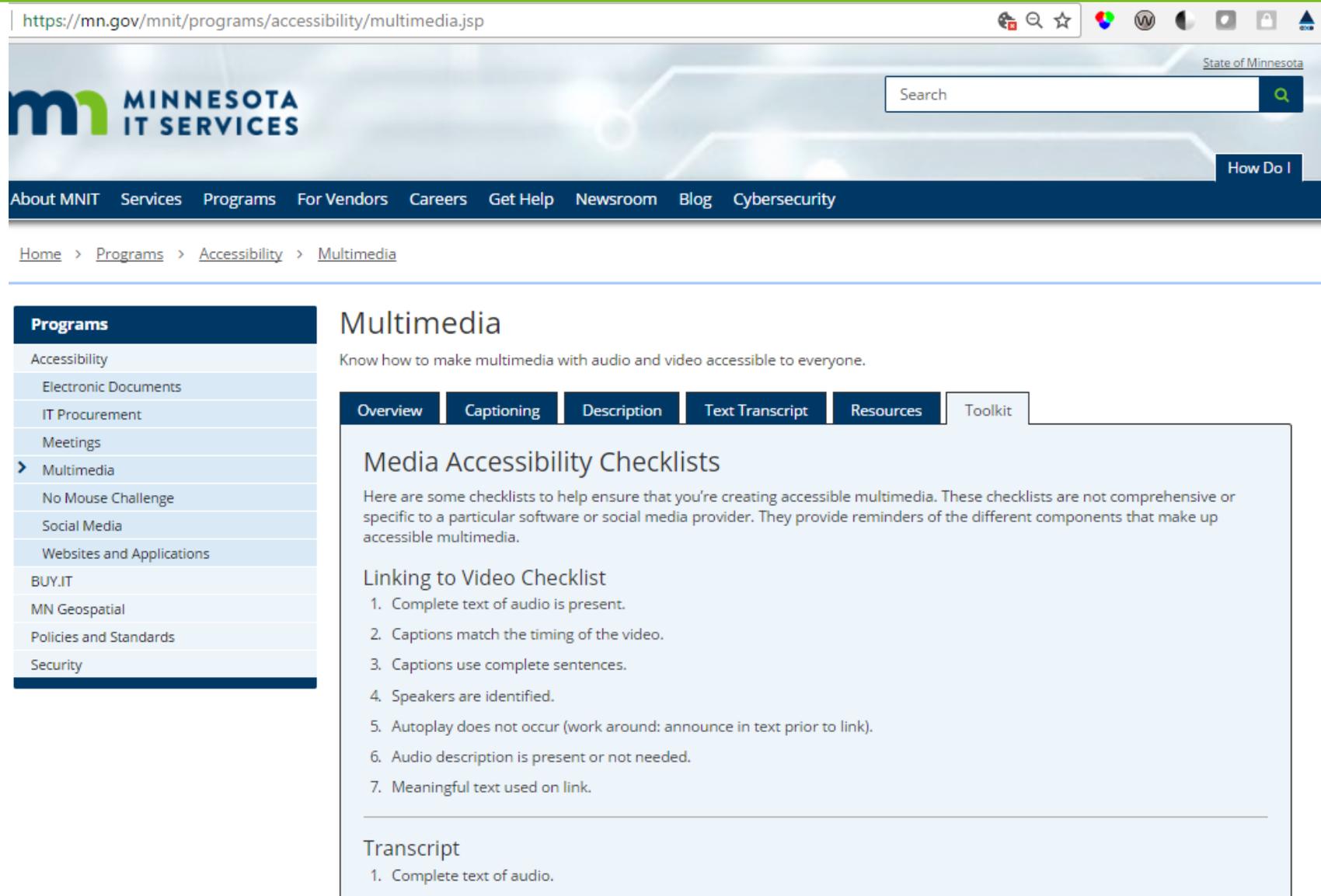
[@webvtt](#)

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Abstract

This specification defines WebVTT, the Web Video Text Tracks format. Its main use is for marking up external text track resources in connection with the HTML <track> element. WebVTT files provide captions or subtitles for video content, and also text video descriptions [MAUR], chapters for content navigation, and more generally any form of metadata that is time-aligned with audio or video content.

State of MN multimedia “toolkit”



The screenshot shows a web browser window displaying the Minnesota IT Services website. The URL in the address bar is <https://mn.gov/mnit/programs/accessibility/multimedia.jsp>. The page features the Minnesota IT Services logo on the left and a search bar on the right. A navigation menu is located below the header, and a breadcrumb trail indicates the current location: Home > Programs > Accessibility > Multimedia. A left-hand sidebar lists various programs, with 'Multimedia' selected. The main content area is titled 'Multimedia' and includes a sub-header 'Media Accessibility Checklists' with a list of seven items. Below this, there is a section for 'Transcript' with one item.

<https://mn.gov/mnit/programs/accessibility/multimedia.jsp>

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- Security

Multimedia

Know how to make multimedia with audio and video accessible to everyone.

Overview **Captioning** Description Text Transcript Resources Toolkit

Media Accessibility Checklists

Here are some checklists to help ensure that you're creating accessible multimedia. These checklists are not comprehensive or specific to a particular software or social media provider. They provide reminders of the different components that make up accessible multimedia.

Linking to Video Checklist

1. Complete text of audio is present.
2. Captions match the timing of the video.
3. Captions use complete sentences.
4. Speakers are identified.
5. Autoplay does not occur (work around: announce in text prior to link).
6. Audio description is present or not needed.
7. Meaningful text used on link.

Transcript

1. Complete text of audio.

- [State of Minnesota Accessibility site \(mn.gov/mnit/accessibility\)](https://mn.gov/mnit/accessibility)
 - Multimedia toolkit
- [WCAG 2.0 quick reference \(w3.org/WAI/WCAG20/quickref/\)](https://w3.org/WAI/WCAG20/quickref/)
- [Described and Captioned Media Program \(DCMP.org\)](https://dcmp.org)
 - [Captioning Key \(captioningkey.org\)](https://captioningkey.org)
 - [Description key \(descriptionkey.org\)](https://descriptionkey.org)
- [WebAIM on accessible media \(webaim.org/techniques/captions/\)](https://webaim.org/techniques/captions/)
- Terrill Thompson on [Text-based audio description](#) and player support
- [Able Player demos \(ableplayer.github.io/ableplayer/demos/\)](https://ableplayer.github.io/ableplayer/demos/)
- Henny Swan's blog on [accessible media players \(iheni.com/accessible-media-player-resources/\)](https://iheni.com/accessible-media-player-resources/)

Gaps? Questions?



Please give us feedback!

Thank you!

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