Unlocking Inclusivity

Delivering Accessible Events in Higher Ed



Today's Speakers



Susan Summerlin Nye

Education Solutions Marketing

Cvent



Stephen Cutchins

Senior Manager – Accessibility

Cvent

Poll

Which area of the university do you represent?

- Enrollment Services
- Academic Affairs
- Student Services
- Alumni & Advancement
- University Events
- Other

AGENDA

- What is a Disability & Accessibility?
- Why Accessibility?
- Accessibility Concepts
- Accessibility at Cvent

Meet Stephen Cutchins

- Mother was an amputee
- 2 cousins with Cerebral Palsy
- Tourette Syndrome
- Father of two
- ~18 years in accessibility
- Army paratrooper, rock climber, motorcycle racer, avid cyclist



What is a Disability?

A Disability is a Condition of the Body or Mind

A disability is any condition of the body or mind that **makes it more difficult** for the person with the condition to **do certain activities** *and* **interact with the world around them**.

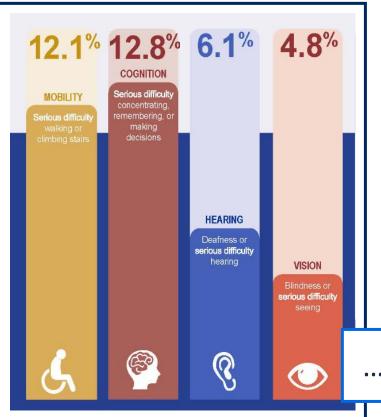
There are many types of disabilities, such as those that affect a person's:

- Vision
- Movement
- Thinking
- Remembering
- Learning

- Communicating
- Hearing
- Mental health
- Social relationships



A Diverse Group with a Wide Range of Needs



According to the World Health Organization, disability has three dimensions:

- Impairment in a person's body structure or function, or mental functioning; examples of impairments include loss of a limb, loss of vision or memory loss.
- 2. Activity limitation such as difficulty seeing, hearing, walking, or problem solving.
- **3. Participation restrictions** in normal daily

activities such as working engaging in social

...includes challenges attending events!

What is Accessibility?

Accessibility Helps People with Disabilities

When we talk about Accessibility, we mean ensuring that electronic content is accessible to people with disabilities, often by use of assistive technology.

What is Assistive Technology?

Assistive Technology (AT) increases, maintains, or improves the functional capabilities of persons with disabilities.



Yes, There are Standards!

Cvent follows the

Web Content

Accessibility Guidelines

(WCAG) 2.1 AA

https://www.w3.org/TR/WCAG21/

Recommendation	LE OF CONTENTS Abstract	Web Content Accessibility Guidelines (WCAG) 2.1
omme	Status of This Document	W3C Recommendation 05 June 2018
Sec	Introduction	
0.1	Background on WCAG 2	This version:
0.1 0.2	WCAG 2 Layers of Guidance	https://www.w3.org/TR/2018/REC-WCAG21-20180605/
0.3	WCAG 2.1 Supporting Documents	Latest published version:
0.4	Requirements for WCAG 2.1	https://www.w3.org/TR/WCAG21/
0.5	Comparison with WCAG 2.0	Latest editor's draft: https://w3c.github.io/wcag/21/guidelines/
0.5.1	New Features in WCAG 2.1	
0.5.2	Numbering in WCAG 2.1	Implementation report: https://www.w3.org/WAI/WCAG21/implementation-report/
0.5.3	Conformance to WCAG 2.1	
0.6	Later Versions of Accessibility Guidelines	Previous version: https://www.w3.org/TR/2018/PR-WCAG21-20180424/
1.	Perceivable	Previous Recommendation:
1.1	Text Alternatives	https://www.w3.org/TR/2008/REC-WCAG20-20081211/
1.1.1	Non-text Content	Editors: Andrew Kirkpatrick (Adobe) Joshue Q Connor (Invited Expert, InterAccess)
1.2	Time-based Media	
1.2.1	Audio-only and Video-only (Prerecorded)	
1.2.2	Captions (Prerecorded)	Alastair Campbell (Nomensa)
1.2.3	Audio Description or Media Alternative (Prerecorded)	Michael Cooper (W3C)
1.2.4	Captions (Live)	WCAG 2.0 Editors (until December 2008):
1.2.5	Audio Description (Prerecorded)	Ben Caldwell (Trace R&D Center, University of Wisconsin-Madison) Loretta Guarino Reid (Google, Inc.) Gregg Vanderheiden (Trace R&D Center, University of Wisconsin-Madison) Wendy Chisholm (W3Q) John Slatin (Accessibility Institute, University of Texas at Austin) Jason White (University of Melbourne)
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	Please check the errata for any errors or issues reported since publication.
1.3.1	Info and Relationships	
1.3.2	Meaningful Sequence	See also translations.
1.3.3	Sensory Characteristics	This document is also available in non-normative formats, available from <u>Alternate Versions of Web Content</u> Accessibility <u>Guidelines 2.1</u> .
1.3.4	Orientation	
1.3.5	Identify Input Purpose	



Why Accessibility?

27% of the US Population Has a Disability



There is a Legal Mandate



Americans with Disabilities Act states that colleges and universities are obligated to provide students with disabilities equal and integrated access to higher education.

Section 504 of the Rehabilitation Act prohibits discrimination based on disability and requires that the needs of students with disabilities are met as adequately as the needs of students without disabilities.









May 19, 2023

Dear Colleague:

We write to make you aware of the Justice Department and Department of Education's ongoing efforts to address barriers that prevent people with disabilities from participating in online services, programs, and activities that colleges, universities, and other postsecondary institutions make available to students and the public.

Online Accessibility Challenges

Many colleges, universities, and other postsecondary institutions increasingly rely on their websites and third-party online platforms to provide services, programs, and activities to members of the public. This includes courses on learning platforms like edX, Coursera, and Kadenze, as well as podcasts and videos featuring lectures, conferences, sporting events, admissions information, graduation ceremonies, and other events on social media and third-party platforms like YouTube, Spotify, and Apple Podcasts. This online content is a service, program, or activity of the college, university, or other postsecondary institution, but much of it is often inaccessible to individuals with disabilities.

Legal Framework

Two Federal laws, the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act (Section 504), require colleges, universities, and other postsecondary institutions to provide equal opportunities to people with disabilities in all their operations, including equal opportunities to participate in and benefit from online services, programs, and activities.

Enforcement Actions

The Departments of Justice and Education have used their enforcement authority to address inaccessible online services, programs, and activities provided by colleges, universities, and other postsecondary institutions.¹⁰ For example, on December 2, 2022, a Federal district court approved a <u>consent decree</u> between the Justice Department and the Regents of the University of California that requires the University of California at Berkeley (UC Berkeley) to make public online content on its websites and other online platforms accessible to people with disabilities. This includes BerkeleyX courses, university websites, and videos and podcasts on its YouTube, Apple Podcasts, and other third-party platforms. UC Berkeley will also revise its policies, train relevant personnel, designate a web accessibility coordinator, conduct accessibility testing of its online content, and hire an independent auditor to evaluate the accessibility of its content. More information about this case, including the Justice Department's letter of findings, complaint, and





"...includes lectures, conferences, sporting events, admissions information, graduation ceremonies, and other events...much of which is often inaccessible to individuals with disabilities..."

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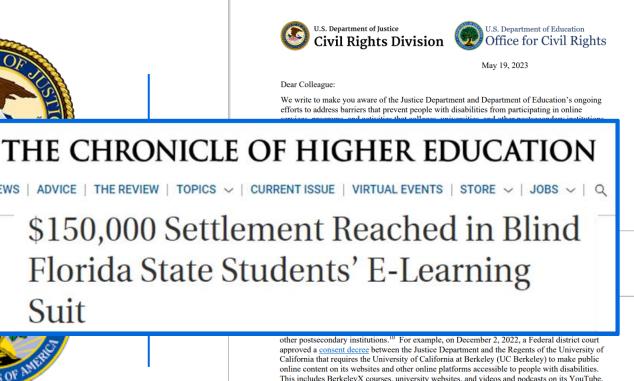


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NEWS

ADVICE |

Suit



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Colgate University ADA Website Access Class Action Lawsuit Overview:

Colgate University failed to design its website so that it would be fully accessible to blind and visually

impaired individuals, a new class action lawsuit alleges.



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Accessibility Reaches Beyond those with Disabilities



Many don't have an official disability but still need digital accessibility.

This includes:

- Those with limited or low vision
- Users with cognitive limitations
- Multi-lingual users
- Those getting older
- People with temporary disabilities

Accessibility Concepts

Some of these are concepts to help us understand.



"Dear Mister Rogers, Please say when you are feeding your fish because I worry about them. I can't see if you are feeding them, so please say you are feeding them out loud." –Katie, age 5.

Father's note: "Katie is blind, and she does cry if you don't say that you have fed the fish."

Visual Disabilities

"I am blind."

"I have limited vision, so I can see but not very well."

"I am color vision deficient (aka color blind)."

(Affects 8% of men and 0.5% of women)

"I have cataracts, glaucoma, age-related macular degeneration, diabetic retinopathy..."

Visual Disabilities – Roadblocks & Solutions

I can't see your content.

 \rightarrow I use a screen reader or Braille display.

I am unable to visually follow the mouse cursor, so I cannot use a mouse.

 \rightarrow I must use keyboard-only navigation.

I am unable to see what is happening in videos.

 \rightarrow I require audio descriptions to understand content.

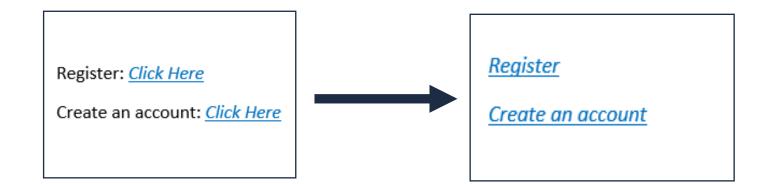
I cannot differentiate red errors from any other text.

 \rightarrow You must use words to describe errors, like "First Name is required."

I have difficulty seeing small fonts or small controls.

 \rightarrow You must avoid small controls and/or I use browser zoom and magnification programs.

Visual Disabilities – Links

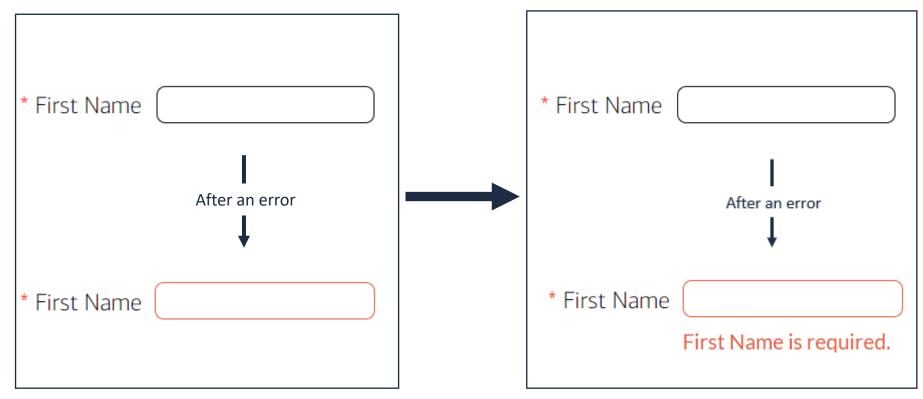


Thousands of planners source their meetings through the Cvent Supplier Network. With CSN Advertising, you can put your message in front of them as they decide which destinations, venues and event services will receive their RFP. *More*



Thousands of planners source their meetings through the Cvent Supplier Network. With CSN Advertising, you can put your message in front of them as they decide which destinations, venues and event services will receive their RFP. <u>Learn more about CSN</u>

Visual Disabilities – Show Error Message in Red

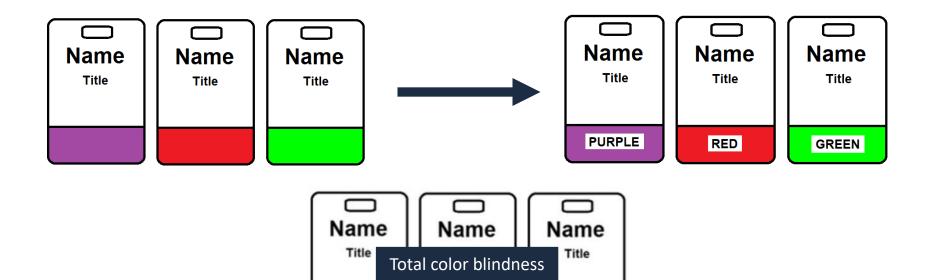


Visual Disabilities – Colored Status Icons





Visual Disabilities – Break Out Groups



Visual Disabilities – Poor Color Contrast

Ensure at least 4.5:1 contrast between text and background This is 8.7:1 This is 7.7:1

Attendee Hub Designer

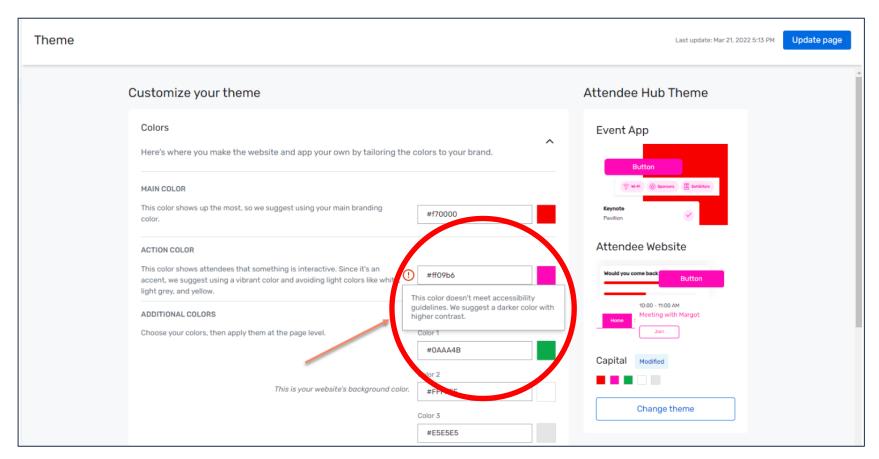


Image Alt Text

- Assistive technology does not interpret images.
- Alternative Text ("alt text") allows users of assistive technology to understand the purpose of an image without being able to see it.
- Not a literal description, focus on the image intent. Context is everything!
- Less is often more. Generally, no more than 2-3 short sentences.
- Mark decorative images as such (alt="")



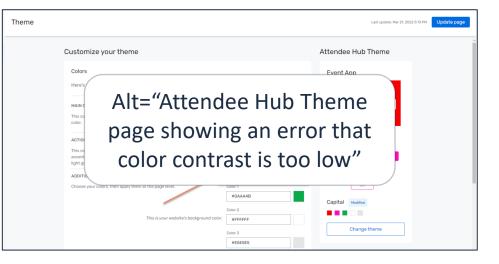
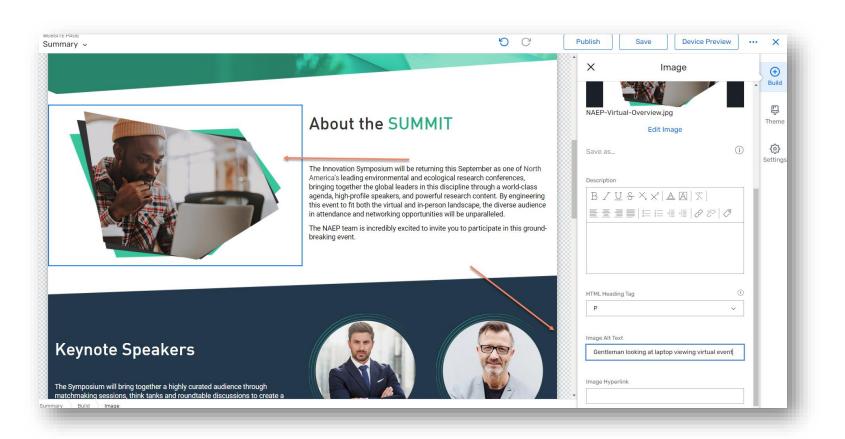


Image Alt Text – Context is Everything

- Allergy website: "Ragweed can produce up to 1 billion pollen grains per season."
- TV manufacturer's website: "TV image of a flower showing vibrant differences between yellow and green."
- Image used for aesthetic reasons, or page includes textual description: alt=""



Event Website Designer



Hearing Disabilities

"I am Deaf."

"I have severe hearing loss and require hearing aids."

"I have mild hearing loss and may have difficulty catching every word you say."



Hearing Disabilities – Roadblocks & Solutions

I am unable to hear system prompts.

 \rightarrow You must provide visual cues in addition to audible prompts.

I am unable to hear voices in multimedia presentations.

 \rightarrow I require captions to understand spoken words.

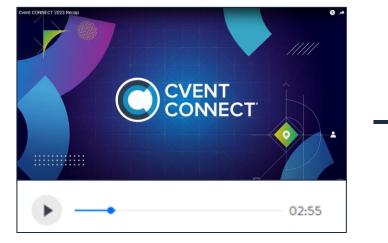
I am unable to hear relevant sounds in multimedia presentations.

 \rightarrow You must include sound effects in captions.

I am unable to communicate verbally (in person, during meetings, over phone to help desk, during interviews, etc.).

 \rightarrow I may require sign language interpretation, speech-to-text, mobile apps, etc.

Hearing Disabilities – Captions





Hearing Disabilities – Live Captions and Sign Language Interpreters





Hearing Disabilities – Help Desk



Apps are Great!

- Apps like Microsoft Translator are very helpful.
- Start a "Conversation" and you can speak while the Deaf person types on your own devices.
- Also useful for language translation.



Captions and Sign Language Interpreters

- Al is good and getting better all the time.
- Human captions are better.
- Sign language interpretation is especially helpful when audience members are Deaf.
- "Book vs. movie"
- Reserve front seats for Deaf attendees.
- Minimize background behind sign language interpreter (prefer dark/black background).
- Sign Language Interpreter should be well-lit.
- There are many different signed languages.

10:49 m Hey, hi is good and getting better. All the count. I'm human captions are better. Sign language is especially helpful when audience members identify as deaf.

42

Physical Disabilities

"I have difficulty using a mouse due to a physical disability."

"I can't use a mouse OR a keyboard and must use a sip-and-puff device."

"I have tremors, so I lack fine motor control."

"I broke my arm skiing and have to wear a cast."



Physical Disabilities – Roadblocks & Solutions

I am unable to use a mouse.

- → You must ensure that all controls (buttons, links, radio buttons, checkboxes, form fields, menus...) are both accessible and usable by keyboard and that I can visually track focus.
- → Lack of keyboard accessibility is the #1 accessibility roadblock!

I am unable to perform complex keyboard commands.

 \rightarrow You must avoid complex, multi-key commands on websites.

I require space for my wheelchair (and/or service animal, white cane, etc.).

→ You must consider wheelchair access and space for service animals in the office, during interviews, at events, etc.

Physical Disabilities – Flyout Menus



In addition to ensuring that controls like flyout menus work with a keyboard, it is also helpful to add a delay (if possible) before the submenu appears to assist those mouse users who may be lacking fine motor control and may inadvertently highlight another option with the mouse.

Calendar controls	January 2022 ry When Tue Wed Thu Fri Sat Sun 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	If tooltip information is important for mouse users then it is also important for keyboard users.	Option 1
Date of Birth MM/DD/YYYY	17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 MM/DD/YYYY	Username:	Custom dropdowns

Physical Disabilities – Crowded Spaces





Physical Disabilities – Beware of Cocktail Tables & Tablecloths





Speech or Language Impairment

"I am unable to speak."

"I have a speech impediment, so my words are not clear."

" I have ALS and am losing my ability to speak."

"I have a hearing impairment that also impacts my ability to speak."



Speech or Language Impairment – Roadblocks & Solutions

I have difficulty accessing voice-input menus on phone systems and conversational speech-input programs like AI chat bots.

 \rightarrow You must provide options for key entry or full menu bypass

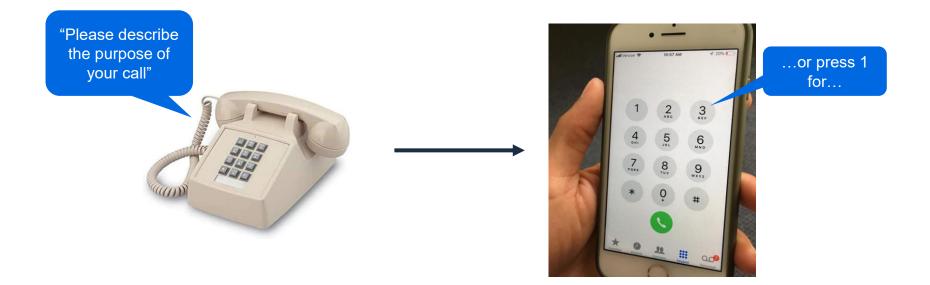
I have difficulty communicating with help desk phone support.

→ You must ensure that help desk support is also available via other options (chat, website, mobile app)

I can't talk to the people at your registration desk.

 \rightarrow I use apps

Speech or Language Impairment – Voice Input



Speech or Language Impairment – Help Desk

Contact us: 1-800-555-1212

Contact us: Phone: 1-800-555-1212 Email: <u>support@product.com</u> Chat: <u>Start a live chat</u>

Apps are also great!

- Apps like Microsoft Translator are helpful!
- Consider having preinstalled for Registration personnel



Mental Health, Intellectual, and Learning Disabilities

"I am on the autism spectrum."

"I experience depression."

"I have dyslexia."

"I have OCD."

"I suffer from anxiety."



Mental Health Struggles are Driving College Students to Drop Out

Of undergrad students currently enrolled had considered dropping out in the past 6 months.

20%

40%

1 in 5 adults in the US lives with mental illness, and young adults are disproportionately affected.

50% Half of young adults ages 18-24 have reported anxiety and depression symptoms in 2023



Mental Health, Intellectual, and Learning Disabilities Roadblocks & Solutions

Complex websites confuse or overwhelm me.

→ Use simple, easy-to-use navigation and layouts.

Overpowering use of color distracts me.

 \rightarrow Avoid bright, contrasting colors.

Use of complex figures confuses me.

→ Include descriptions and write in plain language.

"Walls" of text are hard to read.

 \rightarrow Use simple sentences and bullets.

I often feel overwhelmed at in-person events.

- → Offer opportunities for smaller groups to chat
- → Deliver some content online via a webinar or on-demand video

I appreciate a quiet space to recharge.

→ Have a dedicated space that's quiet, comfortable, and calm

I'm not comfortable speaking up or asking questions.

→ Offer alternative ways to communicate like online chats and online Q&As

Mental Health, Intellectual, and Learning Disabilities Large Blocks of Heavy Text



Avoid justified text like this which can be hard for people with Dyslexia to understand.

Mental Health, Intellectual, and Learning Disabilities Lots of Information in One Space



Mental Health, Intellectual, and Learning Disabilities Force Me to Remember



Mental Health, Intellectual, and Learning Disabilities Make Me Guess

You have errors in submission!

Please correct the following errors:

Last Name is required

Mental Health, Intellectual, and Learning Disabilities I Need a Break

- Low sensory rooms
- Rest areas
- Ample break time between sessions
- Lighting
- Sound
- Fidget devices

Mental Health, Intellectual, and Learning Disabilities I Get Overwhelmed at In-Person Events

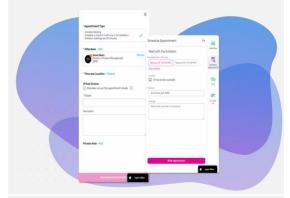
Offer your audience multiple ways to engage.

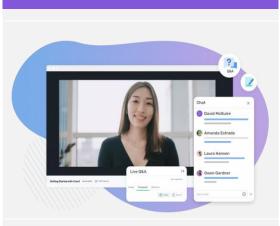
Mobile Experience



Maps, Schedule, Chat, Q&A, Gaming

1:1 Appointments & Small Group Experiences





Webinars

Pre- or post-event or a stand-alone event

Opportunity to get questions answered

Accessibility at Cvent

What are we doing?



Voluntary Product Accessibility Template

- VPAT Voluntary Product Accessibility Template
- ACR Accessibility Conformance Report
- Created for client delivery and publicly available
- Often mandatory
- Created per product
- Cvent uses an independent third-party accessibility firm

ARC

Cvent Attendee Hub Accessibility Conformance Report WCAG Edition

(Based on VPAT® Version 2.4)1

Name of Product/Version

Cvent Attendee Hub

Report Date October 07, 2022

Product Description Web application

Contact Information Stephen Cutchins (scutchins@cvent.com)

VPAT Timelines

VPATs completed:

- Registration
- Attendee Hub (Web)
- Attendee Hub (iOS and Android)
- Interactive Floorplans
- OnArrival
- Cvent Webinar
- Meeting Request Form and Access Portal

In progress (Dec 2023):

- Survey
- Speaker Resource Center
- Passkey
- Cvent Studio

Expect 2-4 VPATs ~every 6 months

ARC

Cvent Attendee Hub Accessibility Conformance Report WCAG Edition

(Based on VPAT[®] Version 2.4)¹

Name of Product/Version

Cvent Attendee Hub

Report Date

April 19, 2023

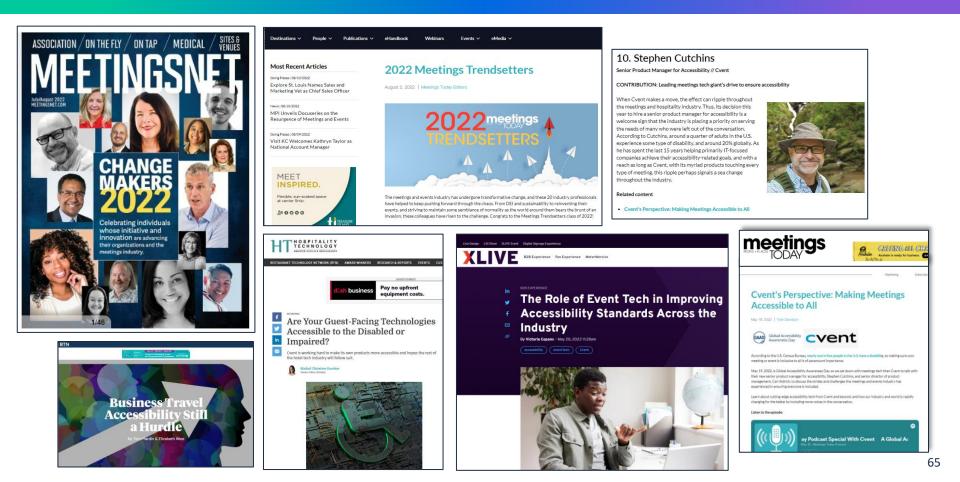
Product Description

Web application

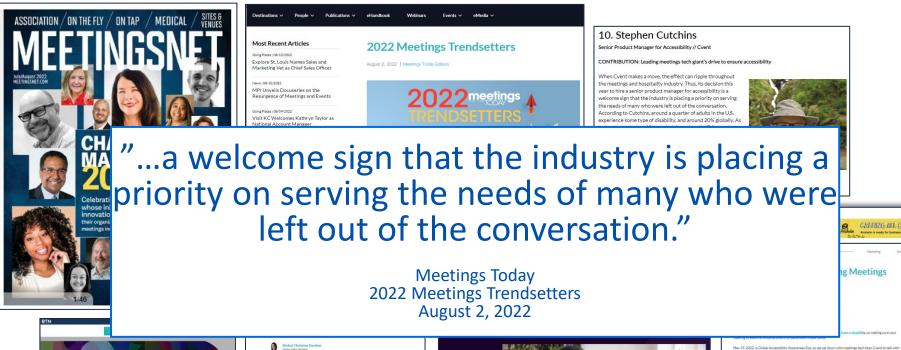
Contact Information

Stephen Cutchins (scutchins@cvent.com)

Cvent is Recognized as an Accessibility Industry Leader



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May 19, 2022, Is Coloral Accessibility Awareness Days so we are down with meetings tech than Cvent to taik w their new senior product manager for accessibility. Stephen Cutchins, and senior director of product management, Carl Aldrich, to discuss the strifes and challenges the meetings and events industry has experienced in ensuring everyone is included.

Learn about cutting-edge accessibility tech from Cvent and beyond, and how our industry and world is rapic changing for the better by including more voices in the conversation.

Listen to the enjoyder



Business Trav

Access



Feedback from CSUN Assistive Technology Conference



"I'm having my post-con meeting on Monday with our Cvent account team. As in years past, there are no issues to report."

Feedback from National Federation of the Blind



Cvent was "the only realistic option when it came to accessibility."

THANK YOU!

Stephen Cutchins Senior Manager-Accessibility

scutchins@cvent.com

