Esri Accessibility Conformance Report
ArcGIS CityEngine

Report Date: June 1, 2023

Table of Contents

List of Tables

Esri Accessibility Conformance Report

Product Information

Product Name/Version: ArcGIS CityEngine

Report Template: Revised Section 508 Edition (based on VPAT® version 2.4)

Product Release Date: June 1, 2023

Report Date: June 1, 2023

Product Description: ArcGIS CityEngine is advanced 3D modeling software for quickly creating massive, interactive, and immersive urban environments, based on real-world geographic information system (GIS) data or fictional environments of the past, present, or future.

Notes: This product does not contain any prerecorded or live audio-only and video-only content.

Evaluation Methods Used: Testing ArcGIS CityEngine involved a combination of manual and functional testing against the applicable success criteria within the Web Content Accessibility Guidelines (WCAG) 2.1 Conformance Level A and AA, Section 508, and EN 301 549 standards. The product was tested by certified accessibility professionals on a selection of the application representative of ArcGIS CityEngine using, among other methodology, the screen reader JAWS 2022, exclusive use of the keyboard, and manual inspection of code. Functional testing of typical user workflows was also conducted.

Legal Disclaimer: As of the testing date to which this document relates to, this document describes the Esri product's ability to support certain WCAG standards for informational purposes only, and the contents are subject to change without notice.

This document does not represent a legal commitment and is provided "As-Is." Esri disclaims that any information in this document will remain accurate after such testing date. Esri monitors the accessibility of its products and provide updates from time to time. Any modification or customization to the product described herein may render some or all of this document to become inapplicable. Esri specifically disclaims any liability with respect to this document, and no contractual obligations are formed either directly or indirectly by this document. Esri further makes no representation concerning the ability of assistive technologies or other products to interoperate with the Esri product described herein.

Contact Information: Environmental Systems Research Institute, Inc. (Esri)

For more information regarding general accessibility topics at Esri, visit https://www.esri.com/en-us/accessibility/overview, or for accessibility information regarding Esri Legal, visit https://www.esri.com/en-us/legal/accessibility.

Specific inquiries may be emailed to EsriAccessibility@esri.com, or mailed to Esri, Contracts and Legal Department, 380 New York Street, Redlands, California 92373.

Table 1: Applicable Standards and Guidelines

Standards / Guidelines	Included In Report
Web Content Accessibility Guidelines 2.1	Level A (Yes) Level AA (Yes) Level AAA (No)
Revised Section 508 Standards	(Yes)
EN 301 549 V3.1.1	(Yes)

Table 2: Record of Changes

Version	Date	Description of Changes
1.0	05/18/2023	Evaluation results and explanations updated by testing vendor (initial version)
2.0	05/29/2023	Updated to 2.4 VPAT® template and Esri ACR format
2.1	06/01/2023	Evaluation results and explanations updated by certified accessibility professionals and Esri internal.

Purpose

The Voluntary Product Accessibility Template (VPAT®) – used to create Esri Accessibility Conformance Reports – is a template used to document a product's conformance with accessibility standards and guidelines. The purpose of the VPAT® is to assist customers and buyers in making preliminary assessments regarding the availability of commercially-available Information and Communication Technology (ICT) products and services with features that support accessibility.

Background

On March 20, 2017, the Architectural and Transportation Barriers Compliance Board (Access Board) revised, updated, and combined standards for ICT developed, procured, maintained, or used by federal agencies covered by Section 508 of the Rehabilitation Act of 1973 and Section 255 of the Communications Act of 1934. The revisions and updates to these standards are intended to ensure that electronic media is accessible to and usable by individuals with disabilities.

Terms

The terms used in the 'Conformance Level' information are defined as follows:

Table 3: Conformance Level Definitions

Conformance Level	Definition
Supports	The functionality of the product has at least one method that meets the criterion or meets with equivalent facilitation.
Partially Supports	Product does not entirely meet the letter and intent of the criterion, but does provide some level of access. OR Product provides alternative methods to meet the intent of the criterion.
Does Not Support	The majority of product functionality does not meet the criterion.
Not Applicable	The criterion is not relevant to the product.
Not Evaluated	The product has not been evaluated against the criterion.

Revised Section 508 Considerations

Application and Administration

Information and Communication Technology (ICT) that is procured, developed, maintained, or used by agencies shall conform to these requirements. Section 508 of the Rehabilitation Act (29 U.S.C. 794d) applies to federal departments and agencies, including the U.S. Postal Service. The term "agency" is defined in Section E103 to include the United States Postal Service and other federal agencies and departments as specified in 44 U.S.C. 3502. That section of the U.S.C. defines agency to mean any executive department, military department, Government corporation, Government controlled corporation, or other establishment in the executive branch of the Government (including the Executive Office of the President), or any independent regulatory agency, but does not include (a) the General Accounting Office; (b) Federal Election Commission; (c) the governments of the District of Columbia and of the territories and possessions of the United States, and their various subdivisions; or (d) Government-owned contractor-operated facilities, including laboratories engaged in national defense research and production activities.

All sections of the technical standards may apply to this product and are individually addressed in the following sections. This applies to the majority of ArcGIS software, services, and solutions.

Scoping Requirements

Section 508 Chapter 2 addresses application and scoping of the Revised 508 Standards, including exceptions. Multiple significant changes were made to this chapter, including:

- Adding a category to E205.3, official agency communications that are non-public facing electronic covered content;

- Clarifying the application of WCAG 2.0 to non-Web documents and software; and

- Made corresponding changes to E205.4 and E207.2, including adding E205.4.1 and E207.3, which specify the word substitution necessary to apply WCAG 2.0 to non-Web content.

207.2 WCAG Conformance. User interface components and content of platforms and applications shall conform to Level A and Level AA Success Criteria and Conformance Requirements specified for webpages in WCAG 2.0.

Functional Performance Criteria

301.1 Scope. The requirements of Chapter 3 shall apply to ICT where required by 508 Chapter 2 (Scoping Requirements), 255 Chapter 2 (Scoping Requirements), and where otherwise referenced in any other chapter of the Revised 508 Standards or Revised 255 Guidelines.

Hardware

401.1 Scope. The requirements of Chapter 4 shall apply to ICT that is hardware where required by 508 Chapter 2 (Scoping Requirements), 255 Chapter 2 (Scoping Requirements), and where otherwise referenced in any other chapter of the Revised 508 Standards or Revised 255 Guidelines.

EXCEPTION: Hardware that is assistive technology shall not be required to conform to the requirements of this chapter.

402.1 General. ICT with closed functionality shall be operable without requiring the user to attach or install assistive technology other than personal headsets or other audio couplers, and shall conform to 402.

Software

501.1 Scope. The requirements of Chapter 5 shall apply to software where required by 508 Chapter 2 (Scoping Requirements), 255 Chapter 2 (Scoping Requirements), and where otherwise referenced in any other chapter of the Revised 508 Standards or Revised 255 Guidelines.

EXCEPTION: Where Web applications do not have access to platform accessibility services and do not include components that have access to platform accessibility services, they shall not be required to conform to 502 or 503 provided that they conform to Level A and Level AA Success Criteria and Conformance Requirements in WCAG 2.0 (incorporated by reference, see 702.10.1).

502.1 General. Software shall interoperate with assistive technology and shall conform to 502.

502.2 Documented Accessibility Features. Software with platform features defined in platform documentation as accessibility features shall conform to 502.2.

Support Documentation and Services

602.1 General. Documentation that supports the use of ICT shall conform to 602.

Web Content Accessibility Guidelines (WCAG) Report

WCAG Principle 1: Perceivable

Information and user interface components must be presentable to users in ways they can perceive. Criteria also apply to Revised Section 508 standards for Support Documentation (602.3). Report contains Level A and AA only (Revised Section 508 does not apply to AAA).

Table 4: WCAG Principle 1 Success Criteria - Perceivable

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A) All non-text content that is presented to the user has a text alternative that serves the equivalent purpose, except for the situations listed below. • Controls, Input • Time-Based Media • Test • Sensory • CAPTCHA • Decoration, Formatting, Invisible	Partially Supports	The product provides sufficient text alternatives for most non-text content, such as images, icons, and visual affordances, or is hidden from assistive technology. A rating of Partially Supports has been given for the following reason(s): • Toolbars within the product do not provide accessible names, which are necessary when multiple toolbars are present at the same time.
1.2.1 Audio-only and Video-only (Prerecorded) (Level A) For prerecorded audio-only and prerecorded video-only media, the following are true, except when the audio or video is a media alternative for text and is clearly labeled as such: • Prerecorded Audio-only • Prerecorded Video-only	Supports	The product does not currently contain pre-recorded audio-only or pre-recorded video-only content.

Criteria	Conformance Level	Remarks and Explanations
1.2.2 Captions (Prerecorded) (Level A) Captions are provided for all prerecorded audio content in synchronized media, except when the media is a media alternative for text and is clearly labeled as such.	Supports	The product does not currently contain pre-recorded content requiring synchronized captions.
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 is provided for synchronized media, except when the media is a media alternative for text and is clearly labeled as such.	Supports	The product does not currently contain any prerecorded video content that would require audio description or a time-based media alternative.
1.2.4 Captions (Live) (Level AA) Captions are provided for all live audio content in synchronized media.	Supports	The product does not currently contain live audio content.
1.2.5 Audio Description (Prerecorded) (Level AA) Audio description is provided for all prerecorded video content in synchronized media.	Supports	The product does not currently contain any prerecorded video content that would require audio description.
1.3.1 Info and Relationships (Level A) Information, structure, and relationships conveyed through presentation can be programmatically determined or are available in text.	Partially Supports	Most user interface elements in the product provide programmatic and/or textual information about structure and relationships. A rating of Partially Supports has been given for the following reason(s): • The description text (name property) for panels in the product are not provided to screen readers.

Criteria	Conformance Level	Remarks and Explanations
1.3.2 Meaningful Sequence (Level A) When the sequence in which content is presented affects its meaning, a correct reading sequence can be programmatically determined.	Supports	The reading order of the content matches the visual and logical order, and can be programmatically determined.
1.3.3 Sensory Characteristics (Level A) Instructions provided for understanding and operating content do not rely solely on sensory characteristics of components such as shape, size, visual location, orientation, or sound.	Supports	The product does not contain instructions that rely solely on sensory characteristics.
1.3.4 Orientation (Level AA – WCAG 2.1) Content does not restrict its view and operation to a single display orientation, such as portrait or landscape, unless a specific display orientation is essential.	Supports	The product does not restrict its view and operation to a single display orientation and responds appropriately to screen orientation changes.
1.3.5 Identify Input Purpose (Level AA – WCAG 2.1) The purpose of each input field collecting information about the user can be programmatically determined when: • The input field serves a purpose identified in the Input Purposes for User Interface Components section; and • The content is implemented using technologies with support for identifying the expected meaning for form input data.	Supports	The product does not contain inputs that collect information about the user.
1.4.1 Use of Color (Level A) Color is not used as the only visual means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.	Partially Supports	Throughout most of the product, color is not used as the only visual means of conveying information, indicating an action, prompting a response, or distinguishing a visual element. A rating of Partially Supports has been given for the following reason(s):

Criteria	Conformance Level	Remarks and Explanations
		• The selected state of some controls is indicated solely by color.
1.4.2 Audio Control (Level A) If any audio on a Webpage plays automatically for more than 3 seconds, either a mechanism is available to pause or stop the audio, or a mechanism is available to control audio volume independently from the overall system volume level.	Supports	The product does not contain audio that plays automatically.
1.4.3 Contrast (Minimum) (Level AA) The visual presentation of text and images of text has a contrast ratio of at least 4.5:1, except for the following: • Large Text: Large-scale text and images of large-scale text have a contrast ratio of at least 3:1; • Incidental: Text or images of text that are part of an inactive user interface component, that are pure decoration, that are not visible to anyone, or that are part of a picture that contains significant other visual content, have no contrast requirement. • Logotypes: Text that is part of a logo or brand name has no minimum contrast requirement.	Partially Supports	The product meets or exceeds minimum contrast ratios on most components containing text or images of text. A rating of Partially Supports has been given for the following reason(s): • Some text in the Inspector dialog box lacks sufficient contrast.
1.4.4 Resize text (Level AA) Except for captions and images of text, text can be resized without assistive technology up to 200 percent without loss of content or functionality.	Does Not Support	Throughout the product, when resizing text by up to 200%, text is no longer contained within its containers and overlaps with elements, causing it to be difficult to read. A rating of Does Not Support has been given for the following reason(s): • Content on most screens retains its default sizing even with 200% operating system zoom applied.

Criteria	Conformance Level	Remarks and Explanations
		• Some screens contain content or controls that are cut off when viewed at 200% magnification.
1.4.5 Images of Text (Level AA) If the technologies being used can achieve the visual presentation, text is used to convey information rather than images of text except for the following: • Customizable: The image of text can be visually customized to the user's requirements; • Essential: A particular presentation of text is essential to the information being conveyed (includes logotypes).	Supports	Text is used to convey information rather than images of text, except where a particular presentation of text is essential to the information being conveyed, such as in logotypes.
1.4.10 Reflow (Level AA – WCAG 2.1) Content can be presented without loss of information or functionality, and without requiring scrolling in two dimensions for: • Vertical scrolling content at a width equivalent to 320 CSS pixels • Horizontal scrolling content at a height equivalent to 256 CSS pixels	Does Not Support	Throughout the product, when the viewport is reduced to 320px wide, content can only be viewed by scrolling in two dimensions. Some content also overlaps other content and functionality is impeded. A rating of Does Not Support has been given for the following reason(s): • The product is designed for desktop use and does not reflow when reducing the window below a given size.
1.4.11 Non-text Contrast (Level AA – WCAG 2.1) The visual presentation of non-text content has a contrast ratio of at least 3:1 against adjacent color(s).	Does Not Support	User interface components and meaningful graphics throughout the product do not have sufficient contrast. A rating of Does Not Support has been given for the following reason(s): • Focus and selection indicators for many elements are presented in shades of light blue against gray or white backgrounds,

Criteria	Conformance Level	Remarks and Explanations
		giving contrast ratios ranging from 1.26:1 to 1.62:1. • The selection indicator for files in some tree structures is presented as gray against a white background giving a contrast ratio of 1.4:1. • Toggle controls in the "off" position are presented as white against a gray background, giving a contrast ratio of 1.6:1.
1.4.12 Text Spacing (Level AA – WCAG 2.1) In content implemented using markup languages that support the following text style properties, no loss of content or functionality occurs by setting all of the following and by changing no other style property: • Line height (line spacing) to at least 1.5 times font size • Spacing following paragraphs to at least 2 times font size • Letter spacing (tracking) to at least 0.12 times font size • Word spacing to at least 0.16 times the font size.	Supports	The product is not implemented using markup languages.
1.4.13 Content on Hover or Focus (Level AA – WCAG 2.1) Where receiving and then removing pointer hover or keyboard focus triggers additional content to become visible and then hidden, the following are true: • Dismissible • Hoverable • Persistent	Supports	Content made visible via hover or focus is dismissible, hoverable, and persistent throughout the product.

WCAG Principle 2: Operable

User interface components and navigation must be operable. Criteria also apply to Revised Section 508 standards for Support Documentation (602.3). Report contains Level A and AA only (Revised Section 508 does not apply to AAA).

Table 5: WCAG Principle 2 Success Criteria - Operable

Criteria	Conformance Level	Remarks and Explanations
2.1.1 Keyboard (Level A) All functionality of the content is operable through a keyboard interface without requiring specific timings for individual keystrokes, except where the underlying function requires input that depends on the path of the user's movement and not just the endpoints.	Does Not Support	Some interactive elements are available using the keyboard. However, most interactive elements are not available through a keyboard interface. A rating of Does Not Support has been given for the following reason(s): • Most tool panels do not provide keyboard access to the controls within them in the same manner as is available via mouse. • Most controls within panels are not accessible or operable using a keyboard. • Keyboard users cannot access or adjust the input fields and values available in some panels.
2.1.2 No Keyboard Trap (Level A) If keyboard focus can be moved to a component of the page using a keyboard interface, then focus can be moved away from that component using only a keyboard interface, and, if it requires more than unmodified arrow or tab keys or other standard exit methods, the user is advised of the method for moving focus away.	Supports	The product does not feature any content or controls that cause a keyboard trap. Where a component can receive keyboard focus, the product allows focus to be moved away using only the keyboard, and/or advises users of any non-standard keyboard methods required to do so.
2.1.4 Character Key Shortcuts (Level A – WCAG 2.1)	Supports	The product includes keyboard shortcuts implemented in content using only letter (including

Criteria	Conformance Level	Remarks and Explanations
If a keyboard shortcut is implemented in content using only letter (including upper- and lower-case letters), punctuation, number, or symbol characters, then at least one of the following is true: • **Turn off**: A mechanism is available to turn the shortcut off • **Remap**: A mechanism is available to remap the shortcut to use one or more non-printable keyboard characters (e.g. Ctrl, Alt, etc.) • **Active only on focus**: The keyboard shortcut for a user interface component is only active when that component has focus.		upper- and lower-case letters), punctuation, number, or symbol characters that can be turned off, remapped, or active only when that component has focus.
2.2.1 Timing Adjustable (Level A) For each time limit that is set by the content, at least one of the following is true: • Turn off: The user is allowed to turn off the time limit before encountering it; or • Adjust: The user is allowed to adjust the time limit before encountering it over a wide range that is at least ten times the length of the default setting; or • Extend: The user is warned before time expires and given at least 20 seconds to extend the time limit with a simple action (for example, "press the space bar"), and the user is allowed to extend the time limit at least ten times; or • Real-time Exception: The time limit is a required part of a real-time event (for example, an auction), and no alternative to the time limit is possible; or	Supports	The product does not currently contain content that requires time limits or timed interactions.

Criteria	Conformance Level	Remarks and Explanations
• Essential Exception: The time limit is essential and extending it would invalidate the activity; or • 20 Hour Exception: The time limit is longer than 20 hours. *Note: This success criterion helps ensure that users can complete tasks without unexpected changes in content or context that are a result of a time limit. This success criterion should be considered in conjunction with Success Criterion 3.2.1, which puts limits on changes of content or context as a result of user action.*		
2.2.2 Pause, Stop, Hide (Level A) For moving, blinking, scrolling, or auto-updating information, all of the following are true: • Moving, blinking, scrolling: For any moving, blinking or scrolling information that (1) starts automatically, (2) lasts more than five seconds, and (3) is presented in parallel with other content, there is a mechanism for the user to pause, stop, or hide it unless the movement, blinking, or scrolling is part of an activity where it is essential; and • Auto-updating: For any auto-updating information that (1) starts automatically and (2) is presented in parallel with other content, there is a mechanism for the user to pause, stop, or hide it or to control the frequency of the update unless the auto-updating is part of an activity where it is essential.	Supports	The product does not include elements which move, blink, scroll, or auto-update.
2.3.1 Three Flashes or Below Threshold (Level A)	Supports	The product does not contain any content that flashes more than three times in any one second.

Criteria	Conformance Level	Remarks and Explanations
Webpages do not contain anything that flashes more than three times in any one second period, or the flash is below the general flash and red flash thresholds.		
2.4.1 Bypass Blocks (Level A) A mechanism is available to bypass blocks of content that are repeated on multiple Webpages.	Supports	This criterion does not apply to non-web software.
2.4.2 Page Titled (Level A) Webpages have titles that describe topic or purpose.	Supports	Page titles describe the high-level topic or purpose of the pages.
2.4.3 Focus Order (Level A) If a Webpage can be navigated sequentially and the navigation sequences affect meaning or operation, focusable components receive focus in an order that preserves meaning and operability.	Partially Supports	Most components within the product receive focus in a meaningful order. A rating of Partially Supports has been given for the following reason(s): • Tabbing through panel controls does not move focus to the next available panel. Users are required to use alt/ctrl+F7 to move focus out and to the next panel. • Activating File menu or Toolbar controls opens new or updated content, but focus does not automatically move to the new content.
2.4.4 Link Purpose (In Context) (Level A) The purpose of each link can be determined from the link text alone or from the link text together with its programmatically determined link context, except where the purpose of the link would be ambiguous to users in general.	Supports	Links are understandable from the text alone or from the surrounding paragraph text.
2.4.5 Multiple Ways (Level AA)	Supports	This criterion does not apply to non-web software.

Criteria	Conformance Level	Remarks and Explanations
More than one way is available to locate a Webpage within a set of Webpages except where the Webpage is the result of, or a step in, a process.		
2.4.6 Headings and Labels (Level AA) Headings and labels describe topic or purpose.	Partially Supports	Most content headings and labels are descriptive and unique. A rating of Partially Supports has been given for the following reason(s): • The Scene Light & Panorama dialog box contains multiple Browse buttons that have identical labels but perform their action for different content.
2.4.7 Focus Visible (Level AA) Any keyboard operable user interface has a mode of operation where the keyboard focus indicator is visible.	Partially Supports	Most focusable elements in the product have a visible keyboard focus indicator. A rating of Partially Supports has been given for the following reason(s): • The Inspector dialog box contains some interactive elements that do not provide a visible keyboard focus indicator.
2.5.1 Pointer Gestures (Level A – WCAG 2.1) All functionality that uses multipoint or path-based gestures for operation can be operated with a single pointer without a path-based gesture, unless a multipoint or path-based gesture is essential.	Supports	The product does not require multi-point or path-based pointer gestures for operation.
2.5.2 Pointer Cancellation (Level A – WCAG 2.1) For functionality that can be operated using a single pointer, at least one of the following is true: • **No Down-Event**: The down-event of the pointer is not used to execute any part of the function • **Abort or Undo**: Completion of the function is on the up-event, and a mechanism is available to abort the	Supports	The product contains only functionality that can be activated on the up event of a single pointer. The product ensures that functionality on pointer down-event is completed only when the user releases the pointer or allows the user to abort and/or undo the action.

Criteria	Conformance Level	Remarks and Explanations
function before completion or to undo the function after completion • **Up Reversal**: The up-event reverses any outcome of the preceding down-event • **Essential**: Completing the function on the down-event is essential		
[2.5.3](#) **Label in Name (Level A – WCAG 2.1)** For user interface components with labels that include text or images of text, the name contains the text that is presented visually.	Partially Supports	The product includes the visible label for most user interface controls within the accessible name. A rating of Partially Supports has been given for the following reason(s): • The Terrain Import and New Project Wizard dialog boxes contain filter fields whose accessible name does not include the visual label.
[2.5.4](#) **Motion Actuation (Level A – WCAG 2.1)** Functionality that can be operated by device motion or user motion can also be operated by user interface components and responding to the motion can be disabled to prevent accidental actuation, except when: • Supported Interface: The motion is used to operate functionality through an accessibility supported interface • Essential: The motion is essential for the function and doing so would invalidate the activity	Supports	The product does not contain any functionality that can be operated by device motion or user motion.

WCAG Principle 3: Understandable

Information and the operation of user interface must be understandable. Criteria also apply to Revised Section 508 standards for Support Documentation (602.3). Report contains Level A and AA only (Revised Section 508 does not apply to AAA).

Table 6: WCAG Principle 3 Success Criteria - Understandable

Criteria	Conformance Level	Remarks and Explanations
3.1.1 Language of Page (Level A) The default human language of each Webpage can be programmatically determined.	Supports	The language of each page in the product is programmatically determinable.
3.1.2 Language of Parts (Level AA) The human language of each passage or phrase in the content can be programmatically determined except for proper names, technical terms, words of indeterminate language, and words or phrases that have become part of the vernacular of the immediately surrounding text.	Supports	Content in the product is only presented in one language at a time.
3.2.1 On Focus (Level A) When any component receives focus, it does not initiate a change of context.	Supports	User interface components in the product do not initiate a change of context when they receive focus.
3.2.2 On Input (Level A) Changing the setting of any user interface component does not automatically cause a change of context unless the user has been advised of the behavior before using the component.	Partially Supports	Most of the product does not cause an unexpected change of context on user input. A rating of Partially Supports has been given for the following reason(s): • The Align Terrain to Shapes and Shape Texturing Tool panels contain interactive components that shift focus to related controls immediately upon selection.
3.2.3 Consistent Navigation (Level AA)	Supports	There are no repeated navigational mechanisms present in the product.

Criteria	Conformance Level	Remarks and Explanations
Navigational mechanisms that are repeated on multiple Webpages within a set of Webpages occur in the same relative order each time they are repeated, unless a change is initiated by the user.		
3.2.4 Consistent Identification (Level AA) Components that have the same functionality within a set of Webpages are identified consistently.	Supports	Components with the same functionality throughout the product are identified consistently.
3.3.1 Error Identification (Level A) If an input error is automatically detected, the item that is in error is identified and the error is described to the user in text.	Supports	Where input errors are automatically detected in the product, items in error are identified and error messages are conveyed to assistive technologies or in text.
3.3.2 Labels or Instructions (Level A) Labels or instructions are provided when content requires user input.	Partially Supports	The product provides sufficient instructions for user input in most cases. A rating of Partially Supports has been given for the following reason(s): • There are multiple instances of controls with visual labels that are not programmatically associated with the control. • There are multiple instances of controls that do not provide programmatic labels. • There are combo-boxes that are missing accessible names.
3.3.3 Error Suggestion (Level AA) If an input error is automatically detected and suggestions for correction are known, then the suggestions are provided to the user, unless it would jeopardize the security or purpose of the content.	Supports	The product provides suggestions to the user when input errors are automatically detected (except where this would jeopardize security).

Criteria	Conformance Level	Remarks and Explanations
3.3.4 **Error Prevention (Legal, Financial, Data) (Level AA)** For Webpages that cause legal commitments or financial transactions for the user to occur, that modify or delete user-controllable data in data storage systems, or that submit user test responses, at least one of the following is true: • Reversible: Submissions are reversible. • Checked: Data entered by the user is checked for input errors and the user is provided an opportunity to correct them. • Confirmed: A mechanism is available for reviewing, confirming, and correcting information before finalizing the submission.	Supports	The product does not process legal commitments or financial transactions. Throughout the product, changes to user-controllable data are reversible, or can be checked or confirmed before finalizing.

WCAG Principle 4: Robust

Content must be robust enough that it can be interpreted reliably by a wide variety of user agents, including assistive technologies. Criteria also apply to Revised Section 508 standards for Support Documentation (602.3). Report contains Level A and AA only (Revised Section 508 does not apply to AAA).

Table 7: WCAG Principle 4 Success Criteria - Robust

Criteria	Conformance Level	Remarks and Explanations
4.1.1 Parsing (Level A) In content implemented using markup languages, elements have complete start and end tags, elements are nested according to their specifications, elements do not contain duplicate attributes, and any IDs are unique, except where the specifications allow these features. *Note: Start and end tags that are missing a critical character in their formation, such as a closing angle bracket or a mismatched attribute value quotation mark are not complete.*	Supports	The product is not implemented using markup languages subject to this criterion.
4.1.2 Name, Role, Value (Level A) For all user interface components (including but not limited to: form elements, links and components generated by scripts), the name and role can be programmatically determined; states, properties, and values that can be set by the user can be programmatically set; and notification of changes to these items is available to user agents, including assistive technologies. *Note: This success criterion is primarily for Web authors who develop or script their own user interface components. For example, standard HTML controls already meet this success criterion when used according to specification.*	Does Not Support	The majority of user interface components in the product do not convey their name, role, or value to assistive technology. A rating of Does Not Support has been given for the following reason(s): • The "close" button for most panels does not provide role or name information. • Many of the list panels for tree views are missing accessible names. • The minimum and maximum values for sliders or input fields are not conveyed to screen readers. • There are many image and icon buttons that do not provide accessible names.

Criteria	Conformance Level	Remarks and Explanations
		• There are many controls, including tabs and toggles, that do not provide appropriate role and/or state information. • Many screens contain controls that dynamically update or change content on the screen, however these changes are not conveyed to screen readers.
4.1.3 **Status Messages (Level AA – WCAG 2.1)** In content implemented using markup languages, status messages can be programmatically determined through role or properties such that they can be presented to the user by assistive technologies without receiving focus.	Partially Supports	This criterion does not apply to non-web software.

Revised Section 508 Report

Chapter 3: Functional Performance Criteria

Table 8: Revised Section 508 Chapter 3 - Functional Performance Criteria

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision Where a visual mode of operation is provided, ICT shall provide at least one mode of operation that does not require user vision.	Does Not Support	A rating of Partially Supports has been given due to the following related WCAG criteria: • 1.1.1 Non-text Content • 1.3.1 Info and Relationships • 1.4.1 Use of Color • 1.4.10 Reflow • 2.1.1 Keyboard • 2.4.3 Focus Order • 2.4.6 Headings and Labels • 2.5.3 Label in Name • 3.2.2 On Input • 3.3.2 Labels or Instructions • 4.1.2 Name, Role, Value
302.2 With Limited Vision Where a visual mode of operation is provided, ICT shall provide at least one mode of operation that enables users to make use of limited vision.	Does Not Support	A rating of Partially Supports has been given due to the following related WCAG criteria: • 1.1.1 Non-text Content • 1.3.1 Info and Relationships • 1.4.1 Use of Color

Criteria	Conformance Level	Remarks and Explanations
		• 1.4.3 Contrast (Minimum)
		• 1.4.4 Resize Text
		• 1.4.10 Reflow
		• 1.4.11 Non-text Contrast
		• 2.1.1 Keyboard
		• 2.4.3 Focus Order
		• 2.4.6 Headings and Labels
		• 2.5.3 Label in Name
		• 3.2.2 On Input
		• 3.3.2 Labels or Instructions
		• 4.1.2 Name, Role, Value
302.3 Without Perception of Color Where a visual mode of operation is provided, ICT shall provide at least one visual mode of operation that does not require user perception of color.	Partially Supports	A rating of Partially Supports has been given due to the following related WCAG criteria: • 1.4.1 Use of Color • 1.4.3 Contrast (Minimum) • 1.4.11 Non-text Contrast • 2.4.3 Focus Order • 2.4.6 Headings and Labels • 2.4.7 Focus Visible • 2.5.3 Label in Name • 3.2.2 On Input • 4.1.2 Name, Role, Value

Criteria	Conformance Level	Remarks and Explanations
302.4 Without Hearing Where an audible mode of operation is provided, ICT shall provide at least one mode of operation that does not require user hearing.	Supports	The product does not require the use of hearing.
302.5 With Limited Hearing Where an audible mode of operation is provided, ICT shall provide at least one mode of operation that enables users to make use of limited hearing.	Supports	The product does not require the use of hearing.
302.6 Without Speech Where speech is used for input, control, or operation, ICT shall provide at least one mode of operation that does not require user speech.	Supports	The product does not require the use of speech.
302.7 With Limited Manipulation Where a manual mode of operation is provided, ICT shall provide at least one mode of operation that does not require fine motor control or simultaneous manual operations.	Does Not Support	A rating of Partially Supports has been given due to the following related WCAG criteria: • 1.1.1 Non-text Content • 2.1.1 Keyboard • 2.4.3 Focus Order • 2.4.6 Headings and Labels • 2.4.7 Focus Visible • 2.5.3 Label in Name • 3.2.2 On Input • 3.3.2 Labels or Instructions • 4.1.2 Name, Role, Value

Criteria	Conformance Level	Remarks and Explanations
302.8 With Limited Reach and Strength Where a manual mode of operation is provided, ICT shall provide at least one mode of operation that is operable with limited reach and limited strength.	Supports	A rating of Partially Supports has been given due to the following related WCAG criteria: • 1.1.1 Non-text Content • 2.1.1 Keyboard • 2.4.3 Focus Order • 2.4.6 Headings and Labels • 2.4.7 Focus Visible • 2.5.3 Label in Name • 3.2.2 On Input • 3.3.2 Labels or Instructions • 4.1.2 Name, Role, Value
302.9 With Limited Language, Cognitive, and Learning Abilities ICT shall provide features making its use by individuals with limited cognitive, language, and learning abilities simpler and easier.	Partially Supports	A rating of Partially Supports has been given due to the following related WCAG criteria: • 1.1.1 Non-text Content • 1.3.1 Info and Relationships • 1.3.2 Meaningful Sequence • 1.3.3 Sensory Characteristics • 1.3.5 Identify Input Purpose • 1.4.1 Use of Color • 1.4.3 Contrast (Minimum) • 1.4.4 Resize Text • 1.4.10 Reflow

Criteria	Conformance Level	Remarks and Explanations
		• 1.4.11 Non-text Contrast
		• 2.1.1 Keyboard
		• 2.4.3 Focus Order
		• 2.4.6 Headings and Labels
		• 2.4.7 Focus Visible
		• 2.5.3 Label in Name
		• 3.2.2 On Input
		• 3.3.2 Labels or Instructions
		• 4.1.2 Name, Role, Value

[Chapter 4](): Hardware

ArcGIS CityEngine is not impacted by Chapter 4: Hardware. This section has been removed from the report.

[Chapter 5](#): Software

Table 9: Revised Section 508 Chapter 5 - Software

Criteria	Conformance Level	Remarks and Explanations
501.1 Scope – Incorporation of WCAG 2.0 AA		See information in WCAG 2.1 report sections
502 Interoperability with Assistive Technology		
502.2.1 User Control of Accessibility Features Platform software shall provide user control over platform features that are defined in the platform documentation as accessibility features.	Supports	The product allows for user control of platform accessibility features.
502.2.2 No Disruption of Accessibility Features Software shall not disrupt platform features that are defined in the platform documentation as accessibility features.	Partially Supports	The product does not generally disrupt the use of platform accessibility features. A rating of Partially Supports has been given for items described in the following section: • 1.4.4 [Resize Text](#)
502.3 Accessibility Services		
502.3.1 Object Information The object role, state(s), properties, boundary, name, and description shall be programmatically determinable.	Partially Supports	Some objects in the product correctly report their name, role, state, boundary, and description information to assistive technologies. A rating of Partially Supports has been given for items described in the following sections: • 1.1.1 [Non-text Content](#) • 1.3.1 [Info and Relationships](#) • 4.1.2 [Name, Role, Value](#)

Criteria	Conformance Level	Remarks and Explanations
502.3.2 Modification of Object Information States and properties that can be set by the user shall be capable of being set programmatically, including through assistive technology.	Supports	Editable objects in the system allow for modification of objects using assistive technologies.
502.3.3 Row, Column, and Headers If an object is in a data table, the occupied rows and columns, and any headers associated with those rows or columns, shall be programmatically determinable.	Supports	The product appropriately uses rows, columns, and headers for data tables.
502.3.4 Values Any current value(s), and any set or range of allowable values associated with an object, shall be programmatically determinable.	Partially Supports	The product generally reports current and allowable values for objects to assistive technologies. A rating of Partially Supports has been given for items described in the following section: • 4.1.2 Name, Role, Value
502.3.5 Modification of Values Values that can be set by the user shall be capable of being set programmatically, including through assistive technology.	Supports	The product allows users to modify object values through assistive technologies.
502.3.6 Label Relationships Any relationship that a component has as a label for another component, or of being labeled by another component, shall be programmatically determinable.	Partially Supports	Some component labels in the product are determinable by assistive technologies. A rating of Partially Supports has been given for items described in the following sections: • 1.3.1 Info and Relationships • 3.3.2 Labels or Instructions • 4.1.2 Name, Role, Value

Criteria	Conformance Level	Remarks and Explanations
502.3.7 Hierarchical Relationships Any hierarchical (parent-child) relationship that a component has as a container for, or being contained by, another component shall be programmatically determinable.	Supports	The hierarchical relationships for components in the product are determinable by assistive technologies.
502.3.8 Text The content of text objects, text attributes, and the boundary of text rendered to the screen, shall be programmatically determinable.	Partially Supports	The product generally reports the content of text objects, text attributes, and the boundary of text on the screen to assistive technologies. A rating of Partially Supports has been given for items described in the following sections: • 1.3.1 Info and Relationships • 4.1.2 Name, Role, Value
502.3.9 Modification of Text Text that can be set by the user shall be capable of being set programmatically, including through assistive technology.	Supports	The product allows users to modify text values using assistive technologies.
502.3.10 List of Actions A list of all actions that can be executed on an object shall be programmatically determinable.	Partially Supports	The product generally makes users of assistive technologies aware of possible actions. A rating of Partially Supports has been given for items described in the following section: • 4.1.2 Name, Role, Value

Criteria	Conformance Level	Remarks and Explanations
502.3.11 Actions on Objects Applications shall allow assistive technology to programmatically execute available actions on objects.	Does Not Support	The product does not allow users to perform most actions on objects using assistive technologies. A rating of Does Not Support has been given for items described in the following sections: • 2.1.1 Keyboard • 3.3.2 Labels or Instructions • 4.1.2 Name, Role, Value
502.3.12 Focus Cursor Applications shall expose information and mechanisms necessary to track focus, text insertion point, and selection attributes of user interface components.	Partially Supports	The product generally provides a consistent indication of focus. A rating of Partially Supports has been given for items described in the following sections: • 2.4.7 Focus Visible
502.3.13 Modification of Focus Cursor Focus, text insertion point, and selection attributes that can be set by the user shall be capable of being set programmatically, including through the use of assistive technology.	Partially Supports	The product sometimes allows for modification of focus. A rating of Partially Supports has been given for items described in the following sections: • 2.1.1 Keyboard • 2.4.3 Focus Order
502.3.14 Event Notification Notification of events relevant to user interactions, including but not limited to, changes in the component's state(s), value, name, description, or boundary, shall be available to assistive technology.	Partially Supports	The product sometimes makes notifications of events relevant to user interactions available to assistive technologies. A rating of Partially Supports has been given for items described in the following sections: • 2.4.3 Focus Order • 4.1.2 Name, Role, Value
502.4 Platform Accessibility Features	Not Applicable	The product is not platform software

Criteria	Conformance Level	Remarks and Explanations
503 Applications		
503.2 User Preferences Applications shall permit user preferences from platform settings for color, contrast, font type, font size, and focus cursor. EXCEPTION: Applications that are designed to be isolated from their underlying platform software, including Web applications, shall not be required to conform to 503.2.	Partially Supports	The product generally allows for the setting of user view preferences. A rating of Partially Supports has been given for items described in the following section: • 1.4.4 Resize Text
503.3 Alternative User Interfaces Where an application provides an alternative user interface that functions as assistive technology, the application shall use platform and other industry standard accessibility services.	Not Applicable	The product does not provide an alternative user interface that functions as assistive technology.
503.4 User Controls for Captions and Audio Description		
503.4.1 Caption Controls Where user controls are provided for volume adjustment, ICT shall provide user controls for the selection of captions at the same menu level as the user controls for volume or program selection.	Supports	The product does not contain media with captions or audio descriptions.
503.4.2 Audio Description Controls Where user controls are provided for program selection, ICT shall provide user controls for the selection of audio descriptions at the same menu level as the user controls for volume or program selection.	Supports	The product does not contain media with captions or audio descriptions.
504 Authoring Tools		

Criteria	Conformance Level	Remarks and Explanations
504.2 Content Creation or Editing Authoring tools shall provide a mode of operation to create or edit content that conforms to Level A and Level AA Success Criteria and Conformance Requirements in WCAG 2.0 (incorporated by reference, see 702.10.1) for all supported features and, as applicable, to file formats supported by the authoring tool. Authoring tools shall permit authors the option of overriding information required for accessibility. Exception: Authoring tools shall not be required to conform to 504.2 when used to directly edit plain text source code.	See WCAG conformance levels	See information in WCAG 2.1 report sections
504.2.1 Preservation of Information Provided for Accessibility in Format Conversion Authoring tools shall, when converting content from one format to another or saving content in multiple formats, preserve the information required for accessibility to the extent that the information is supported by the destination format.	Not Applicable	
504.2.2 PDF Export Authoring tools capable of exporting PDF files that conform to ISO 32000–1:2008 (PDF 1.7) shall also be capable of exporting PDF files that conform to ANSI/AIIM/ISO 14289–1:2016 (PDF/UA– 1) (incorporated by reference, see 702.3.1).	Not Applicable	
504.3 Prompts Authoring tools shall provide a mode of operation that prompts authors to create content that conforms to Level A and Level AA Success Criteria and Conformance Requirements in WCAG 2.0 (incorporated by reference, see 702.10.1) for supported features and, as applicable, to file formats supported by the authoring tool.	Not Applicable	

Criteria	Conformance Level	Remarks and Explanations
504.4 Templates Where templates are provided, templates allowing content creation that conforms to Level A and Level AA Success Criteria and Conformance Requirements in WCAG 2.0 (incorporated by reference, see 702.10.1) shall be provided for a range of template uses for supported features and, as applicable, to file formats supported by the authoring tool.	Not Applicable	

Chapter 6: Support Documentation and Services

The language included in this section is based on an internal evaluation of the ArcGIS CityEngine support documentation and services.

Table 10: Revised Section 508 Chapter 6 - Support Documentation and Services

Criteria	Conformance Level	Remarks and Explanations
602 Support Documentation		
602.2 Accessibility and Compatibility Features Documentation shall list and explain how to use the accessibility and compatibility features required by Chapters 4 and 5. Documentation shall include accessibility features that are built-in and accessibility features that provide compatibility with assistive technology.	Partially Supports	This product report is not impacted by Chapter 4.
602.3 Electronic Support Documentation Documentation in electronic format, including Web-based self-service support, shall conform to Level A and Level AA Success Criteria and Conformance Requirements in WCAG 2.0 (incorporated by reference, see 702.10.1).	Partially Supports	Web-based electronic support documentation is available for this product.
602.4 Alternate Formats for Non-Electronic Support Documentation Where support documentation is only provided in non-electronic formats, alternate formats usable by individuals with disabilities shall be provided upon request.	Supports	Web-based electronic support documentation is available for this product.

Criteria	Conformance Level	Remarks and Explanations
603 Support Services		

Criteria	Conformance Level	Remarks and Explanations
603.2 Information on Accessibility and Compatibility Features ICT support services shall include information on the accessibility and compatibility features required by 602.2.	Partially Supports	This product report is not impacted by Chapters 4.
603.3 Accommodation of Communication Needs Support services shall be provided directly to the user or through a referral to a point of contact. Such ICT support services shall accommodate the communication needs of individuals with disabilities.	Supports	Technical support is available directly to the user for this product, and Esri Accessibility contact information is provided in this report.

EN 301 549 Report

Chapter 4: Functional Performance Statements (FPS)

Table 11: EN 301 549 Chapter 4 - Functional Performance Statements

Criteria	Conformance Level	Remarks and Explanations
4.2.1 Usage Without Vision Where ICT provides visual modes of operation, the ICT provides at least one mode of operation that does not require vision. This is essential for users without vision and benefits many more users in different situations.	Does Not Support	A rating of Partially Supports has been given due to the following related WCAG criteria: • 1.1.1 Non-text Content • 1.3.1 Info and Relationships • 1.4.1 Use of Color • 1.4.10 Reflow • 2.1.1 Keyboard • 2.4.3 Focus Order • 2.4.6 Headings and Labels • 2.5.3 Label in Name • 3.2.2 On Input • 3.3.2 Labels or Instructions • 4.1.2 Name, Role, Value
4.2.2 Usage With Limited Vision Where ICT provides visual modes of operation, the ICT provides features that enable users to make better use of their limited vision. This is essential for users with limited vision and benefits many more users in different situations.	Does Not Support	A rating of Partially Supports has been given due to the following related WCAG criteria: • 1.1.1 Non-text Content • 1.3.1 Info and Relationships • 1.4.1 Use of Color

Criteria	Conformance Level	Remarks and Explanations
		• 1.4.3 <u>Contrast (Minimum)</u>
		• 1.4.4 <u>Resize Text</u>
		• 1.4.10 <u>Reflow</u>
		• 1.4.11 <u>Non-text Contrast</u>
		• 2.1.1 <u>Keyboard</u>
		• 2.4.3 <u>Focus Order</u>
		• 2.4.6 <u>Headings and Labels</u>
		• 2.5.3 <u>Label in Name</u>
		• 3.2.2 <u>On Input</u>
		• 3.3.2 <u>Labels or Instructions</u>
		• 4.1.2 <u>Name, Role, Value</u>
4.2.3 Usage Without Perception of Color Where ICT provides visual modes of operation, the ICT provides a visual mode of operation that does not require user perception of color. This is essential for users with limited color perception and benefits many more users in different situations.	Partially Supports	A rating of Partially Supports has been given due to the following related WCAG criteria: • 1.4.1 <u>Use of Color</u> • 1.4.3 <u>Contrast (Minimum)</u> • 1.4.11 <u>Non-text Contrast</u> • 2.4.3 <u>Focus Order</u> • 2.4.6 <u>Headings and Labels</u> • 2.4.7 <u>Focus Visible</u> • 2.5.3 <u>Label in Name</u> • 3.2.2 <u>On Input</u> • 4.1.2 <u>Name, Role, Value</u>

Criteria	Conformance Level	Remarks and Explanations
4.2.4 Usage Without Hearing Where ICT provides auditory modes of operation, the ICT provides at least one mode of operation that does not require hearing. This is essential for users without hearing and benefits many more users in different situations.	Supports	The product does not require the use of hearing.
4.2.5 Usage With Limited Hearing Where ICT provides auditory modes of operation, the ICT provides enhanced audio features. This is essential for users with limited hearing and benefits many more users in different situations.	Supports	The product does not require the use of hearing.
4.2.6 Usage With No or Limited Vocal Capacity Where ICT requires vocal input from users, the ICT provides at least one mode of operation that does not require them to generate vocal output. This is essential users with no or limited vocal capability and benefits many more users in different situations.	Supports	The product does not require the use of speech.

Criteria	Conformance Level	Remarks and Explanations
4.2.7 Usage With Limited Manipulation or Strength Where ICT requires manual actions, the ICT provides features that enable users to make use of the ICT through alternative actions not requiring manipulation, simultaneous action or hand strength. This is essential for users with limited manipulation or strength and benefits many more users in different situations.	Does Not Support	A rating of Partially Supports has been given due to the following related WCAG criteria: • 1.1.1 Non-text Content • 2.1.1 Keyboard • 2.4.3 Focus Order • 2.4.6 Headings and Labels • 2.4.7 Focus Visible • 2.5.3 Label in Name • 3.2.2 On Input • 3.3.2 Labels or Instructions • 4.1.2 Name, Role, Value
4.2.8 Usage With Limited Reach Where ICT products are free-standing or installed, all the elements required for operation will need to be within reach of all users. This is essential for users with limited reach and benefits many more users in different situations.	Supports	A rating of Partially Supports has been given due to the following related WCAG criteria: • 1.1.1 Non-text Content • 2.1.1 Keyboard • 2.4.3 Focus Order • 2.4.6 Headings and Labels • 2.4.7 Focus Visible • 2.5.3 Label in Name • 3.2.2 On Input • 3.3.2 Labels or Instructions • 4.1.2 Name, Role, Value

Criteria	Conformance Level	Remarks and Explanations
4.2.9 Minimize Photosensitive Seizure Triggers Where ICT provides visual modes of operation, the ICT provides at least one mode of operation that minimizes the potential for triggering photosensitive seizures. This is essential for users with photosensitive seizure triggers.	Supports	The product does not contain photosensitive seizure triggers or flashing content.
4.2.10 Usage With Limited Cognition, Language, or Learning The ICT provides features and/or presentation that makes it simpler and easier to understand, operate and use. This is essential for users with limited cognition, language or learning, and benefits many more users in different situations.	Partially Supports	A rating of Partially Supports has been given due to the following related WCAG criteria: • 1.1.1 Non-text Content • 1.3.1 Info and Relationships • 1.4.1 Use of Color • 1.4.3 Contrast (Minimum) • 1.4.4 Resize Text • 1.4.10 Reflow • 1.4.11 Non-text Contrast • 2.1.1 Keyboard • 2.4.3 Focus Order • 2.4.6 Headings and Labels • 2.4.7 Focus Visible • 2.5.3 Label in Name • 3.2.2 On Input • 3.3.2 Labels or Instructions • 4.1.2 Name, Role, Value
4.2.11 Privacy	Supports	The product does not cause legal commitments or financial transactions for the user to occur, does not

Criteria	Conformance Level	Remarks and Explanations
Where ICT provides features for accessibility, the ICT maintains the privacy of users of these features at the same level as other users.		modify or delete user-controllable data in data storage systems, and does not submit user test responses. No spoken version of characters being mashed is available. Use of headphones is not restricted in any way.

Chapter 5: Generic Requirements

ArcGIS CityEngine is not impacted by Chapter 5: Generic Requirements. This section has been removed from the report.

Chapter 6: ICT with Two-Way Voice Communication

ArcGIS CityEngine is not impacted by Chapter 6: ICT with Two-Way Voice Communication. This section has been removed from the report.

Chapter 7: ICT with Video Capabilities

ArcGIS CityEngine is not impacted by Chapter 7: ICT with Voice Capabilities. This section has been removed from the report.

Chapter 8: Hardware

ArcGIS CityEngine is not impacted by Chapter 8: Hardware. This section has been removed from the report.

Chapter 9: Web (see WCAG section)

This section has been removed from the report.

Chapter 10: Non-Web Documents

ArcGIS CityEngine is not impacted by Chapter 10: Non-Web Documents. This section has been removed from the report.

Chapter 11: Software

Table 12: EN 301 549 Chapter 11 - Software

Criteria	Conformance Level	Remarks and Explanations
11.1.1.1 through 11.4.1.3	See WCAG	See information in WCAG 2.1 report sections
11.5 Interoperability with Assistive Technology		
11.5.1 Closed		
11.5.2 Accessibility Services		
11.5.2.1 Platform accessibility service support for software that provides a user interface	See 11.5.2.5 through 11.5.2.17	See information in 11.5.2.5 through 11.5.2.17
11.5.2.2 Platform accessibility service support for assistive technologies	See 11.5.2.5 through 11.5.2.17	See information in 11.5.2.5 through 11.5.2.17
11.5.2.3 Use of accessibility services	Partially Supports	The user interface of the product meets some of the requirements for support for assistive technologies. Refer to the requirements 11.5.2.5 to 11.5.2.17 below.
11.5.2.4 Assistive technology	Not Applicable	The product is not assistive technology.
11.5.2.5 Object information	Partially Supports	The product contains some user interface elements that are programmatically determinable. A rating of Partially Supports has been given for items described in the following sections: • 3.3.2 Labels or Instructions • 4.1.2 Name, Role, Value

Criteria	Conformance Level	Remarks and Explanations
11.5.2.6 Rows, columns, and headers	Supports	The product contains data tables whose structures are programmatically determinable.
11.5.2.7 Values	Partially Supports	The product contains user interface elements whose values and ranges of values are programmatically determinable. A rating of Partially Supports has been given for items described in the following section: • 4.1.2 Name, Role, Value
11.5.2.8 Label relationships	Partially Supports	The relationship between some user interface elements in the product and their labels are programmatically determinable. A rating of Partially Supports has been given for items described in the following sections: • 3.3.2 Labels or Instructions • 4.1.2 Name, Role, Value
11.5.2.9 Parent-child relationships	Supports	The parent-child relationships of user interface elements in the product are programmatically determinable.
11.5.2.10 Text	Partially Supports	Some rendered text in the product, including its contents, attributes, and boundaries, are programmatically determinable. A rating of Partially Supports has been given for items described in the following sections: • 1.3.1 Info and Relationships • 2.5.3 Label in Name • 4.1.2 Name, Role, Value

Criteria	Conformance Level	Remarks and Explanations
11.5.2.11 List of available actions	Partially Supports	Some available actions for user interface elements in the product can be programmatically determined. A rating of Partially Supports has been given for items described in the following section: • 4.1.2 Name, Role, Value
11.5.2.12 Execution of available actions	Does Not Support	Most available actions for user interface elements in the product cannot be programmatically executed. A rating of Does Not Support has been given for items described in the following sections: • 2.1.1 Keyboard • 2.5.3 Label in Name • 3.3.2 Labels or Instructions • 4.1.2 Name, Role, Value
11.5.2.13 Tracking of focus and selection attributes	Partially Supports	Most user interface elements in the product provide information and mechanisms necessary to track focus, text insertion point, and selection in a way that is programmatically determinable. A rating of Partially Supports has been given for items described in the following section: • 2.4.7 Focus Visible

Criteria	Conformance Level	Remarks and Explanations
11.5.2.14 Modification of focus and selection attributes	Partially Supports	Some user interface elements for text editing in the product allow for programmatic modification of focus, text insertion points, and selection. A rating of Partially Supports has been given for items described in the following sections: • 2.1.1 [Keyboard](#) • 2.4.3 [Focus Order](#)
11.5.2.15 Change notification	Partially Supports	The product generally notifies assistive technologies of changes to programmatically determinable attributes for user interface elements. A rating of Partially Supports has been given for items described in the following sections: • 2.4.3 [Focus Order](#) • 4.1.2 [Name, Role, Value](#)
11.5.2.16 Modifications of states and properties	Supports	The user interface elements in the product allow for programmatic modification of states and properties.
11.5.2.17 Modifications of values and text	Supports	The user interface elements in the product allow for programmatic modification of values and text.
11.6 Documented Accessibility Usage		
11.6.1 User control of accessibility features	Not Applicable	The product does not provide platform accessibility features.
11.6.2 No disruption of accessibility features	Not Applicable	The product does not provide platform accessibility features.

Criteria	Conformance Level	Remarks and Explanations
11.7 User preferences	Partially Supports	The user interface of the product generally follows the values of the user's preferred platform settings for accessibility. A rating of Partially Supports has been given for items described in the following section: • 1.4.4 Resize Text
11.8 Authoring Tools		
11.8.1 Content Technology		
11.8.2 Accessible content creation	See WCAG conformance levels	See information in WCAG 2.1 report sections
11.8.3 Preservation of accessibility information in transformations	Not Applicable	
11.8.4 Repair assistance	Not Applicable	
11.8.5 Templates	Not Applicable	

Chapter 12: Documentation and Support Services

The language included in this section is based on an internal evaluation of the ArcGIS CityEngine support documentation and services.

Table 13: EN 301 549 Chapter 12 - Documentation and Support Services

Criteria	Conformance Level	Remarks and Explanations
12.1 Product Documentation		
12.1.1 Accessibility and Compatibility Features Product documentation provided with the ICT whether provided separately or integrated within the ICT shall list and explain how to use the accessibility and compatibility features of the ICT.	Partially Supports	Web-based electronic support documentation is available for this product.
12.1.2 Accessible Documentation Product documentation provided with the ICT shall be made available in at least one of the following electronic formats: web or non-web.	Supports	Web-based electronic support documentation is available for this product.
12.2 Support Services		
12.2.2 Information on Accessibility and Compatibility Features ICT support services shall provide information on the accessibility and compatibility features that are mentioned in the product documentation.	Partially Supports	Technical support is available directly to the user for this product, and Esri Accessibility contact information is provided in this report.
12.2.3 Effective Communication ICT support services shall accommodate the communication needs of individuals with disabilities either directly or through a referral point.	Supports	Technical support is available directly to the user for this product, and Esri Accessibility contact information is provided in this report.

Criteria	Conformance Level	Remarks and Explanations
12.2.4 Accessible Documentation Documentation provided by support services shall be made available in at least one of the following electronic formats: web or non-web.	Supports	Web-based electronic support documentation is available for this product.