

APPENDIX 1 TO ANNEX F

ICT ACCESSIBILITY REQUIREMENTS

What is ICT?

Information and Communications Technology (ICT) includes hardware, software, voice communication, video capabilities and digital content (including web and non-web-based information).

What is ICT accessibility and why is it important?

"ICT accessibility ensures that people with and without disabilities can access the same information, perform the same tasks, and receive the same services using information technology. It is the digital equivalent to accessibility in the physical environment —the curb cuts, ramps, railings, etc., of the digital age. While ICT accessibility can provide usability benefits to everyone who uses ICT, it is a vital necessity to many people with disabilities." - [NASCIO - Accessibility in IT Procurement](#)

About this document and Copyright Notice

This document reproduces relevant ICT accessibility requirements from the EN 301 549 v3.2.1 (2021-03) Harmonised European Standard – Accessibility requirements for ICT products and services (© used under license from European Telecommunications Standards Institute 2021. © Comité Européen de Normalisation 2021. © Comité Européen de Normalisation Électrotechnique 2021. All rights reserved.), which includes the Web Content Accessibility Guidelines (WCAG) 2.1 level AA. Note, where the EN 301 549 references VOID criteria, for the purposes of this document, we have excluded the technical explanation as to why the WCAG criteria no longer apply. Refer to the EN 301 549 (hyperlink below) for this information if necessary.

Intellectual Property Rights (IPRs) essential or potentially essential to normative deliverables may have been declared to ETSI. The information pertaining to these essential IPRs, if any, is publicly available for ETSI members and non-members, and can be found in ETSI SR 000 314: "Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards", which is available from the ETSI Secretariat. Latest updates are available on the ETSI Web server (<https://ipr.etsi.org/>). Please visit [ETSI IPR database](#) to search for any IPRs.

At first glance, some requirements may appear to be unrelated to this product or service. They have been included for consideration since the full feature set of a Vendor's product or service may not be known. For example, a video may be embedded into product documentation, so accessibility requirements for video and audio may become relevant.

Appendices include definitions, references, and practical guidance on creating accessible documentation.

Internal to this document references are included but not always linked (footnotes or otherwise).

Sources used to compile this document

- [EN 301 549 v3.2.1 \(2021-03\) Harmonised European Standard - Accessibility requirements for ICT products and services" \(PDF\)](#)
- [Web Content Accessibility Guidelines \(WCAG\) 2.1](#) (W3C Recommendation 05 June 2018)
- [Understanding WCAG 2.1](#)
- [How to Meet WCAG 2.1 \(Quick Reference\)](#)
- [ITI VPAT® EN 301 549 \(EU\) version](#)

Part A - Functional performance statements

These are explanatory (non-testable) statements that introduce the core aspects that the offered product or service must provide to be considered accessible.

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.

- NOTE 1: A web page or application with a well formed semantic structure can allow users without vision to identify, navigate and interact with a visual user interface.
- NOTE 2: Audio and tactile user interfaces may contribute towards meeting this clause.

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.

- NOTE 1: Magnification, reduction of required field of vision and control of contrast, brightness and intensity can contribute towards meeting this clause.
- NOTE 2: Where significant features of the user interface are dependent on depth perception, the provision of additional methods of distinguishing between the features may contribute towards meeting this clause.
- NOTE 3: Users with limited vision may also benefit from non-visual access (see clause 4.2.1).

4.2.3. Usage without perception of colour: Where ICT provides visual modes of operation, the ICT provides a visual mode of operation that does not require user perception of colour. This is essential for users with limited colour perception and benefits many more users in different situations.

- NOTE: Where significant features of the user interface are colour-coded, the provision of additional methods of distinguishing between the features may contribute towards meeting this clause.

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.

- NOTE: Visual and tactile user interfaces, including those based on sign language, may contribute towards meeting this clause.

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.

- NOTE 1: Enhancement of the audio clarity, reduction of background noise, providing a joint monaural option, adjustment of balance of both audio channels, increased range of volume and greater volume in the higher frequency range can contribute towards meeting this clause.
- NOTE 2: Allowing the use of Assistive Listening Devices, such as headsets with noise cancellation (connected by cable, Bluetooth or WLAN) can contribute towards meeting this clause.
- NOTE 3: Users with limited hearing may also benefit from non-hearing access (see clause 4.2.4).

4.2.6. Usage with no or limited vocal capability: 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.

- NOTE 1: Vocal output includes speech and other orally generated sounds, such as whistles and clicks.
- NOTE 2: Keyboard, pen or touch user interfaces may contribute towards meeting this clause.

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.

- NOTE 1: Examples of operations that users may not be able to perform include those that require fine motor control, path dependent gestures, pinching, twisting of the wrist, tight grasping, or simultaneous manual actions.
- NOTE 2: One-handed operation, sequential key entry and speech user interfaces may contribute towards meeting this clause.
- NOTE 3: Some users have limited hand strength and may not be able to achieve the level of strength to perform an operation. Alternative user interface solutions that do not require hand strength may contribute towards meeting this clause.

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.

- NOTE: Considering the needs of wheelchair users and the range of user statures in the placing of operational elements of the user interface may contribute towards meeting this clause.

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.

- NOTE: Limiting the area and number of flashes per second may contribute towards meeting this clause.

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.

- NOTE 1: Adjustable timings, error indication and suggestion, and a logical focus order are examples of design features that may contribute towards meeting this clause.
- NOTE 2: Providing an audio output of the text is an example of providing support for people with limited reading abilities.
- NOTE 3: Providing spelling aid and word prediction of the text is an example of providing support for people with limited writing abilities.
- NOTE 4: Interaction with content can be made easier, and less prone to errors, by presenting tasks in steps that are easy to follow..

4.2.11. Privacy: Where ICT provides features for accessibility, the ICT maintains the privacy of users of these features at the same level as other users.

- NOTE: Enabling the connection of personal headsets for private listening, not providing a spoken version of characters being masked and enabling user control of legal, financial and personal data are examples of design features that may contribute towards meeting this clause.

Part B - Functional accessibility requirements

Explanation of the table columns

- **"EN 301 549 clause"** includes all clauses of the EN 301 549 v3.2.1 that may apply to the ICT product or service. If WCAG 2.1 is referenced, we include the full text of the WCAG success criterion along with links to the criterion, "Understanding the requirement", "How to meet the requirement" and definitions of standardized words.
- **"Determination of conformance"** describes how to test if you have met the requirement. These are copied from EN 301 549 v3.2.1 Annex C. More information can also be found in Annex – Chapter 14 Conformance.

Scope

The following Functional Accessibility Requirements are applicable to the Functional Performance Statements in Part A. If a solution meets all of these it is considered to have met the Functional Performance Statements and is therefore deemed to conform with EN 301 549 v3.2.1.

Clauses 5, 5.1, 5.1.1, 5.1.2, 5.1.2.1, 5.1.2.2, 5.1.3, 5.1.3.1, 5.1.3.2, 5.1.3.3, 5.1.3.4, 5.1.3.5, 5.1.3.6, 5.1.3.7, 5.1.3.8, 5.1.3.9, 5.1.3.10, 5.1.3.11, 5.1.3.12, 5.1.3.13, 5.1.3.14, 5.1.3.15, 5.1.3.16, 5.1.4, 5.1.5, 5.1.6, 5.1.6.1, 5.1.6.2, 5.1.7, 5.2, 9, 9.0, 9.1, 9.1.1, 9.1.1.1, 9.1.2, 9.1.2.1, 9.1.2.2, 9.1.2.3, 9.1.2.4, 9.1.2.5, 9.1.3, 9.1.3.1, 9.1.3.2, 9.1.3.3, 9.1.3.4, 9.1.3.5, 9.1.4, 9.1.4.1, 9.1.4.2, 9.1.4.3, 9.1.4.4, 9.1.4.5, 9.1.4.10, 9.1.4.11, 9.1.4.12, 9.1.4.13, 9.2, 9.2.1, 9.2.1.1, 9.2.1.2, 9.2.1.4, 9.2.2, 9.2.2.1, 9.2.2.2, 9.2.3, 9.2.3.1, 9.2.4, 9.2.4.1, 9.2.4.2, 9.2.4.3, 9.2.4.4, 9.2.4.5, 9.2.4.6, 9.2.4.7, 9.2.5, 9.2.5.1, 9.2.5.2, 9.2.5.3, 9.2.5.4, 9.3, 9.3.1, 9.3.1.1, 9.3.1.2, 9.3.2, 9.3.2.1, 9.3.2.2, 9.3.2.3, 9.3.2.4, 9.3.3, 9.3.3.1, 9.3.3.2, 9.3.3.3, 9.3.3.4, 9.4, 9.4.1, 9.4.1.1, 9.4.1.2, 9.4.1.3, 9.5, 9.6, 10, 10.0, 10.1, 10.1.1, 10.1.1.1, 10.1.2, 10.1.2.1, 10.1.2.2, 10.1.2.3, 10.1.2.4, 10.1.2.5, 10.1.3, 10.1.3.1, 10.1.3.2, 10.1.3.3, 10.1.3.4, 10.1.3.5, 10.1.4, 10.1.4.1, 10.1.4.2, 10.1.4.3, 10.1.4.4, 10.1.4.5, 10.1.4.10, 10.1.4.11, 10.1.4.12, 10.1.4.13, 10.2, 10.2.1, 10.2.1.1, 10.2.1.2, 10.2.1.4, 10.2.2, 10.2.2.1, 10.2.2.2, 10.2.3, 10.2.3.1, 10.2.4, 10.2.4.2, 10.2.4.3, 10.2.4.4, 10.2.4.6, 10.2.4.7, 10.2.5, 10.2.5.1, 10.2.5.2, 10.2.5.3, 10.2.5.4, 10.3, 10.3.1, 10.3.1.1, 10.3.1.2, 10.3.2, 10.3.2.1, 10.3.2.2, 10.3.3, 10.3.3.1, 10.3.3.2, 10.3.3.3, 10.3.3.4, 10.4, 10.4.1, 10.4.1.1, 10.4.1.2, 10.4.1.3, 10.5, 10.6,

11, 11.0, 11.1, 11.1.1, 11.1.1.1, 11.1.1.1.1, 11.1.1.1.2, 11.1.2, 11.1.2.1, 11.1.2.1.1, 11.1.2.1.2, 11.1.2.1.2.1, 11.1.2.1.2.2, 11.1.2.2, 11.1.2.3, 11.1.2.3.1, 11.1.2.3.2, 11.1.2.4, 11.1.2.5, 11.1.3, 11.1.3.1, 11.1.3.1.1, 11.1.3.1.2, 11.1.3.2, 11.1.3.2.1, 11.1.3.2.2, 11.1.3.3, 11.1.3.4, 11.1.3.5, 11.1.3.5.1, 11.1.3.5.2, 11.1.4, 11.1.4.1, 11.1.4.2, 11.1.4.3, 11.1.4.4, 11.1.4.4.1, 11.1.4.4.2, 11.1.4.5, 11.1.4.5.1, 11.1.4.5.2, 11.1.4.10, 11.1.4.11, 11.1.4.12, 11.1.4.13, 11.2, 11.2.1, 11.2.1.1, 11.2.1.1.1, 11.2.1.1.2, 11.2.1.2, 11.2.1.4, 11.2.1.4.1, 11.2.1.4.2, 11.2.2, 11.2.2.1, 11.2.2.2, 11.2.3, 11.2.3.1, 11.2.4, 11.2.4.3, 11.2.4.4, 11.2.4.6, 11.2.4.7, 11.2.5, 11.2.5.1, 11.2.5.2, 11.2.5.3, 11.2.5.3.1, 11.2.5.3.2, 11.2.5.4, 11.3, 11.3.1, 11.3.1.1, 11.3.1.1.1, 11.3.1.1.2, 11.3.2, 11.3.2.1, 11.3.2.2, 11.3.3, 11.3.3.1, 11.3.3.1.1, 11.3.3.1.2, 11.3.3.2, 11.3.3.3, 11.3.3.4, 11.4, 11.4.1, 11.4.1.1, 11.4.1.1.1, 11.4.1.1.2, 11.4.1.2, 11.4.1.2.1, 11.4.1.2.2, 11.4.1.3, 11.4.1.3.1, 11.4.1.3.2, 11.5, 11.5.1, 11.5.2, 11.5.2.1, 11.5.2.2, 11.5.2.3, 11.5.2.4, 11.5.2.5, 11.5.2.6, 11.5.2.7, 11.5.2.8, 11.5.2.9, 11.5.2.10, 11.5.2.11, 11.5.2.12, 11.5.2.13, 11.5.2.14, 11.5.2.15, 11.5.2.16, 11.5.2.17, 11.6, 11.6.1, 11.6.2, 11.7, 12, 12.1, 12.1.1, 12.1.2, 12.2, 12.2.1, 12.2.2, 12.2.3 and 12.2.4 have been deemed relevant to this ICT.

EN 301 549 clause	Determination of conformance
5 Generic requirements	---
5.1 Closed functionality	---
<p>5.1.1 Introduction (informative)</p> <p>ICT has closed functionality for many reasons, including design or policy. Some of the functionality of products can be closed because the product is self-contained and users are precluded from adding peripherals or software in order to access that functionality.</p> <p>ICT may have closed functionality in practice even though the ICT was not designed, developed or supplied to be closed.</p> <p>Computers that do not allow end-users to adjust settings or install software are functionally closed.</p>	<p>C.5.1.1 Introduction (informative)</p> <p>Clause 5.1.1 is informative and does not contain requirements that require testing.</p>
5.1.2 General	---
<p>5.1.2.1 Closed functionality</p> <p>Where ICT has closed functionality, it shall meet the requirements set out in clauses 5.2 to 13, as applicable.</p> <p>NOTE 1: ICT may close some, but not all, of its functionalities. Only the closed functionalities have to conform to the requirements of clause 5.1.</p> <p>NOTE 2: The requirements within this clause replace those in clauses 5.2 to 13 that specifically state that they do not apply to closed functionality. This may be because they relate to compatibility with assistive technology or to the ability for the user to adjust system accessibility settings in products with closed functionality (e.g. products that prevent access to the system settings control panel).</p>	<p>C.5.1.2.1 Closed functionality</p> <p>See clauses C.5.2 to C.13, as applicable.</p>

EN 301 549 clause	Determination of conformance
<p>5.1.2.2 Assistive technology</p> <p>Where ICT has closed functionality, that closed functionality shall be operable without requiring the user to attach, connect or install assistive technology and shall conform to the generic requirements of clauses 5.1.3 to 5.1.6 as applicable. Personal headsets and induction loops shall not be classed as assistive technology for the purpose of this clause.</p>	<p>C.5.1.2.2 Assistive technology</p> <p>Type of assessment</p> <p>Testing</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT has closed functionality. <p>Procedure</p> <ol style="list-style-type: none"> 1. Determine the closed functions of the ICT. 2. Check that the tests C.5.1.3 to C.5.1.6 can be carried out without the attachment or installation of any assistive technology except personal headsets or inductive loops. <p>Result</p> <p>Pass: Check 2 is true</p> <p>Fail: Check 2 is false</p> <p>Not applicable: Pre-condition 1 is not met</p>
<p>5.1.3 Non-visual access</p>	<p>---</p>
<p>5.1.3.1 Audio output of visual information</p> <p>Where visual information is needed to enable the use of those functions of ICT that are closed to assistive technologies for screen reading, ICT shall provide at least one mode of operation using non-visual access to enable the use of those functions.</p> <p>NOTE 1: Non-visual access may be in an audio form, including speech, or a tactile form.</p> <p>NOTE 2: The visual information needed to enable use of some functions may include operating instructions and orientation, transaction prompts, user input verification, error messages and non-text content.</p>	<p>C.5.1.3.1 Audio output of visual information</p> <p>Type of assessment</p> <p>Testing</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. Visual information is needed to enable the use of those functions of the ICT that are closed to assistive technology for screen reading. <p>Procedure</p> <ol style="list-style-type: none"> 1. Determine the functions of the ICT closed to screen reading.

EN 301 549 clause	Determination of conformance
	<p>2. Check that they are all operable using audio output access.</p> <p>Result</p> <p>Pass: Check 2 is true</p> <p>Fail: Check 2 is false</p> <p>Not applicable: Pre-condition 1 is not met.</p>
<p>5.1.3.2 Auditory output delivery including speech</p> <p>Where auditory output is provided as non-visual access to closed functionality, the auditory output shall be delivered:</p> <ol style="list-style-type: none"> 1. either directly by a mechanism included in or provided with the ICT; or 2. by a personal headset that can be connected through a 3,5 mm audio jack, or an industry standard connection, without requiring the use of vision. <p>NOTE 1: Mechanisms included in or provided with ICT may be, but are not limited to, a loudspeaker, a built-in handset/headset, or other industry standard coupled peripheral.</p> <p>NOTE 2: An industry standard connection could be a wireless connection.</p> <p>NOTE 3: Some users may benefit from the provision of an inductive loop.</p>	<p>C.5.1.3.2 Auditory output delivery including speech</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. Auditory output is provided as non-visual access to closed functionality. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the auditory output is delivered by a mechanism included in or provided with the ICT. 2. Check that the auditory output is delivered by a personal headset that can be connected through a 3,5 mm audio jack or an industry standard connection without requiring the use of vision. <p>Result</p> <p>Pass: Check 1 or 2 is true</p> <p>Fail: Checks 1 and 2 are false</p> <p>Not applicable: Pre-condition 1 is not met.</p>
<p>5.1.3.3 Auditory output correlation</p> <p>Where auditory output is provided as non-visual access to closed functionality, and where information is displayed on the screen, the ICT should provide</p>	<p>C.5.1.3.3 Auditory output correlation</p> <p>Clause 5.1.3.3 is informative only and contains no requirements requiring test.</p>

EN 301 549 clause	Determination of conformance
<p>auditory information that allows the user to correlate the audio with the information displayed on the screen.</p> <p>NOTE 1: Many people who are legally blind still have visual ability, and use aspects of the visual display even if it cannot be fully comprehended. An audio alternative that is both complete and complementary includes all visual information such as focus or highlighting, so that the audio can be correlated with information that is visible on the screen at any point in time.</p> <p>NOTE 2: Examples of auditory information that allows the user to correlate the audio with the information displayed on the screen include structure and relationships conveyed through presentation.</p>	
<p>5.1.3.4 Speech output user control</p> <p>Where speech output is provided as non-visual access to closed functionality, the speech output shall be capable of being interrupted and repeated when requested by the user, where permitted by security requirements.</p> <p>NOTE 1: It is best practice to allow the user to pause speech output rather than just allowing them to interrupt it.</p> <p>NOTE 2: It is best practice to allow the user to repeat only the most recent portion rather than requiring play to start from the beginning.</p>	<p>C.5.1.3.4 Speech output user control</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-condition</p> <ol style="list-style-type: none"> 1. Speech output is provided as non-visual access to closed functionality. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the speech output is capable of being interrupted when requested by the user. 2. Check that the speech output is capable of being repeated when requested by the user. <p>Result</p> <p>Pass: All checks are true</p> <p>Fail: Any check is false</p> <p>Not applicable: Pre-condition 1 is not met</p>
<p>5.1.3.5 Speech output automatic interruption</p>	<p>C.5.1.3.5 Speech output automatic interruption</p> <p>Type of assessment</p> <p>Inspection</p>

EN 301 549 clause	Determination of conformance
<p>Where speech output is provided as non-visual access to closed functionality, the ICT shall interrupt current speech output when a user action occurs and when new speech output begins.</p> <p>NOTE: Where it is essential that the user hears the entire message, e.g. a safety instruction or warning, the ICT may need to block all user action so that speech is not interrupted.</p>	<p>Pre-conditions</p> <ol style="list-style-type: none"> 1. Speech output is provided as non-visual access to closed functionality. <p>Procedure</p> <ol style="list-style-type: none"> 1. Determine the closed functions of the ICT. 2. Check that the speech output for each single function is interrupted on a user action. 3. Check that the speech output for each single function is interrupted when new speech output begins. <p>Result</p> <p>Pass: Check 2 and 3 are true</p> <p>Fail: Check 2 or 3 are false</p> <p>Not applicable: Pre-condition 1 is not met</p>
<p>5.1.3.6 Speech output for non-text content</p> <p>Where ICT presents non-text content, the alternative for non-text content shall be presented to users via speech output unless the non-text content is pure decoration or is used only for visual formatting. The speech output for non-text content shall follow the guidance for "text alternative" described in WCAG 2.1 Success Criterion 1.1.1 Non-text content.</p>	<p>C.5.1.3.6 Speech output for non-text content</p> <p>Type of assessment</p> <p>Testing</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. Non-text content is presented to users via speech output. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that speech output is provided as an alternative for non-text content. 2. Check that the non-text content is not pure decoration. 3. Check that the non-text content is not used only for visual formatting.

EN 301 549 clause	Determination of conformance
	<p>4. Check that the speech output follows the guidance for "text alternative" described in WCAG 2.1 Success Criterion 1.1.1 Non-text content.</p> <p>Result</p> <p>Pass: Checks 1 and 2 and 3 and 4 are true; or 1 and 2 are false; or 1 and 3 are false</p> <p>Fail: Checks 1 is true and 2 false; or 1 is true and 3 false; or 1 and 2 and 3 are true and 4 is false</p> <p>Not applicable: Pre-condition 1 is not met</p>
<p>5.1.3.7 Speech output for video information</p> <p>Where pre-recorded video content is needed to enable the use of closed functions of ICT and where speech output is provided as non-visual access to closed functionality, the speech output shall present equivalent information for the pre-recorded video content.</p> <p>NOTE: This speech output can take the form of an audio description or an auditory transcript of the video content.</p>	<p>C.5.1.3.7 Speech output for video information</p> <p>Type of assessment</p> <p>Testing</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. Pre-recorded video content is needed to enable the use of closed functions of ICT. 2. Speech output is provided as non-visual access to non-text content displayed on closed functionality. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the speech output presents equivalent information for the pre-recorded video content. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-conditions 1 or 2 are not met</p>
<p>5.1.3.8 Masked entry</p> <p>Where auditory output is provided as non-visual access to closed functionality, and the characters displayed are masking characters, the auditory output shall</p>	<p>C.5.1.3.8 Masked entry</p> <p>Type of assessment</p>

EN 301 549 clause	Determination of conformance
<p>not be a spoken version of the characters entered unless the auditory output is known to be delivered only to a mechanism for private listening, or the user explicitly chooses to allow non-private auditory output.</p> <p>NOTE 1: Masking characters are usually displayed for security purposes and include, but are not limited to asterisks representing personal identification numbers.</p> <p>NOTE 2: Unmasked character output might be preferred when closed functionality is used, for example, in the privacy of the user's home. A warning highlighting privacy concerns might be appropriate to ensure that the user has made an informed choice.</p>	<p>Testing</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. Auditory output is provided as non-visual access to closed functionality. 2. The characters displayed are masking characters. 3. Any option to allow non-private auditory output has not been activated. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the auditory output is not a spoken version of the characters entered. 2. Check that the auditory output is known to be delivered only to a mechanism for private listening. <p>Result</p> <p>Pass: Any check is true</p> <p>Fail: All checks are false</p> <p>Not applicable: Pre-conditions 1 or 2 are not met</p>
<p>5.1.3.9 Private access to personal data</p> <p>Where auditory output is provided as non-visual access to closed functionality, and the output contains data that is considered to be private according to the applicable privacy policy, the corresponding auditory output shall only be delivered through a mechanism for private listening that can be connected without requiring the use of vision, or through any other mechanism explicitly chosen by the user.</p> <p>NOTE 1: This requirement does not apply in cases where data is not defined as being private according to the applicable privacy policy or where there is no applicable privacy policy.</p> <p>NOTE 2: Non-private output might be preferred when closed functionality is used, for example, in the privacy of the user's home. A warning highlighting privacy concerns might be appropriate to ensure that the user has made an informed choice.</p>	<p>C.5.1.3.9 Private access to personal data</p> <p>Type of assessment</p> <p>Testing</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. Auditory output is provided as non-visual access to closed functionality. 2. The output contains data. 3. There is an applicable privacy policy which considers that data to be private. <p>Procedure</p>

EN 301 549 clause	Determination of conformance
	<ol style="list-style-type: none"> 1. Check that the auditory output is only delivered through a mechanism for private listening. 2. Check that the mechanism for private listening can be connected without requiring the use of vision. 3. Check that the auditory output is delivered through all user-selectable mechanisms. <p>Result</p> <p>Pass: Checks 1 and 2 or 3 are true</p> <p>Fail: Checks 1 or 2 and 3 are false</p> <p>Not applicable: Pre-conditions 1 or 3 are not met</p>
<p>5.1.3.10 Non-interfering audio output</p> <p>Where auditory output is provided as non-visual access to closed functionality, the ICT shall not automatically play, at the same time, any interfering audible output that lasts longer than three seconds.</p>	<p>C.5.1.3.10 Non-interfering audio output</p> <p>Type of assessment</p> <p>Testing</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. Auditory output is provided as non-visual access to closed functionality. 2. The ICT automatically plays interfering audible output. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the interfering audible output lasts no longer than three seconds. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-conditions 1 or 2 are not met</p>
<p>5.1.3.11 Private listening volume</p>	<p>C.5.1.3.11 Private listening volume</p> <p>Type of assessment</p>

EN 301 549 clause	Determination of conformance
<p>Where auditory output is provided as non-visual access to closed functionality and is delivered through a mechanism for private listening, ICT shall provide at least one non-visual mode of operation for controlling the volume.</p>	<p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The auditory output is provided as non-visual access to closed functionality. 2. The auditory output is delivered through a mechanism for private listening. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that there is at least one non-visual mode of operation for controlling the volume. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-conditions 1 or 2 are not met</p>
<p>5.1.3.12 Speaker volume</p> <p>Where auditory output is provided as non-visual access to closed functionality and is delivered through speakers on ICT, a non-visual incremental volume control shall be provided with output amplification up to a level of at least 65 dBA (-29 dBPaA).</p> <p>NOTE: For noisy environments, 65 dBA may not be sufficient.</p>	<p>C.5.1.3.12 Speaker volume</p> <p>Type of assessment</p> <p>Inspection and measurement</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The auditory output is provided as non-visual access to closed functionality. 2. The auditory output is delivered through speakers. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that a non-visual incremental volume control is provided. 2. Check that output amplification up to a level of at least 65 dBA (-29 dBPaA) is available.

EN 301 549 clause	Determination of conformance
	<p>Result</p> <p>Pass: Checks 1 and 2 are true</p> <p>Fail: Check 1 or 2 is false</p> <p>Not applicable: Pre-conditions 1 or 2 are not met</p>
<p>5.1.3.13 Volume reset</p> <p>Where auditory output is provided as non-visual access to closed functionality, a function that resets the volume to be at a level of 65 dBA or less after every use, shall be provided, unless the ICT is dedicated to a single user.</p> <p>NOTE: A feature to disable the volume reset function may be provided in order to enable the single-user exception to be met.</p>	<p>C.5.1.3.13 Volume reset</p> <p>Type of assessment</p> <p>Inspection and measurement</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The auditory output is provided as non-visual access to closed functionality. 2. The ICT is not dedicated to a single user. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that a function that automatically resets the volume to be at a level of 65 dBA or less after every use is provided. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-conditions 1 or 2 are not met</p>
<p>5.1.3.14 Spoken languages</p> <p>Where speech output is provided as non-visual access to closed functionality, speech output shall be in the same human language as the displayed content provided, except:</p> <ol style="list-style-type: none"> 1. 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; 	<p>C.5.1.3.14 Spoken languages</p> <p>Type of assessment</p> <p>Testing</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The speech output is provided as non-visual access to closed functionality. 2. The speech output is not proper names, technical terms, words of indeterminate language, and words or phrases that

EN 301 549 clause	Determination of conformance
<ol style="list-style-type: none"> 2. where the content is generated externally and not under the control of the ICT vendor, the present clause shall not be required to apply for languages not supported by the ICT's speech synthesizer; 3. for displayed languages that cannot be selected using non-visual access; 4. where the user explicitly selects a speech language that is different from the language of the displayed content. 	<p>have become part of the vernacular of the immediately surrounding text.</p> <ol style="list-style-type: none"> 3. The content is not generated externally and is under the control of the ICT vendor. 4. The displayed languages can be selected using non-visual access. 5. The user has not selected a speech language that is different from the language of the displayed content. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the speech output is in the same human language of the displayed content provided. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-conditions 1 or 3 are not met</p>
<p>5.1.3.15 Non-visual error identification</p> <p>Where speech output is provided as non-visual access to closed functionality and an input error is automatically detected, speech output shall identify and describe the item that is in error.</p>	<p>C.5.1.3.15 Non-visual error identification</p> <p>Type of assessment</p> <p>Testing</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. Speech output is provided as non-visual access to closed functionality. 2. An input error is automatically detected. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that speech output identifies the item that is in error. 2. Check that the speech output describes the item that is in error. <p>Result</p>

EN 301 549 clause	Determination of conformance
	Pass: Checks 1 and 2 are true Fail: Check 1 or check 2 false Not applicable: Pre-conditions 1 or 2 are not met
<p>5.1.3.16 Receipts, tickets, and transactional outputs</p> <p>Where ICT is closed to visual access and provides receipts, tickets or other outputs as a result of a self-service transaction, speech output shall be provided which shall include all information necessary to complete or verify the transaction. In the case of ticketing machines, printed copies of itineraries and maps shall not be required to be audible.</p> <p>NOTE: The speech output may be provided by any element of the total ICT system.</p>	<p>C.5.1.3.16 Receipts, tickets, and transactional outputs</p> <p>Type of assessment</p> <p>Testing</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is closed to visual access 2. The ICT provides receipts, tickets, or other outputs as a result of a self-service transaction. 3. The information being checked is not printed copies of itineraries and maps. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that speech output is provided which includes all information necessary to complete or verify the transaction. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-conditions 1, 2 or 3 are not met</p>
<p>5.1.4 Functionality closed to text enlargement</p> <p>Where any functionality of ICT is closed to the text enlargement features of platform or assistive technology, the ICT shall provide a mode of operation where the text and images of text necessary for all functionality is displayed in such a way that a non-accented capital "H" subtends an angle of at least 0,7 degrees at a viewing distance specified by the supplier.</p> <p>The subtended angle, in degrees, may be calculated from:</p> $\Psi = (180 \times H) / (\pi \times D)$	<p>C.5.1.4 Functionality closed to text enlargement</p> <p>Type of assessment</p> <p>Inspection and measurement</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. A functionality of the ICT is closed to enlargement features of platform or assistive technology.

EN 301 549 clause	Determination of conformance
<p>Where:</p> <ul style="list-style-type: none"> • ψ is the subtended angle in degrees • H is the height of the text • D is the viewing distance • D and H are expressed in the same units <p>NOTE 1: The intent is to provide a mode of operation where text is large enough to be used by most users with low vision.</p> <p>NOTE 2: Table 5.1 and Figure 1 illustrate the relationship between the maximum viewing distance and minimum character height at the specified minimum subtended angle.</p> <p>(See Table 5.1 and Figure 1)</p>	<p>2. A viewing distance is specified by the supplier.</p> <p>Procedure</p> <ol style="list-style-type: none"> 1. Measure the height of a capital letter H. 2. Check that it subtends an angle of at least 0,7 degrees at the specified viewing distance. <p>Result</p> <p>Pass: Check 2 is true</p> <p>Fail: Check 2 is false</p> <p>Not applicable: Pre-conditions 1 or 2 are not met</p>
<p>5.1.5 Visual output for auditory information</p> <p>Where auditory information is needed to enable the use of closed functions of ICT, the ICT shall provide visual information that is equivalent to the auditory output.</p> <p>NOTE: This visual information can take the form of captions or text transcripts</p>	<p>C.5.1.5 Visual output for auditory information</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. Pre-recorded auditory information is needed to enable the use of closed functions of ICT. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the visual information is equivalent to the pre-recorded auditory output. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met</p>
<p>5.1.6 Operation without keyboard interface</p>	<p>---</p>

EN 301 549 clause	Determination of conformance
<p>5.1.6.1 Closed functionality</p> <p>Where ICT functionality is closed to keyboards or keyboard interfaces, all functionality shall be operable without vision as required by clause 5.1.3.</p>	<p>C.5.1.6.1 Closed functionality</p> <p>Type of assessment Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. ICT functionality is closed to keyboards or keyboard interfaces. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that all functionality is operable without vision. <p>Result Pass: Check 1 is true Fail: Check 1 is false Not applicable: Pre-condition 1 is not met</p>
<p>5.1.6.2 Input focus</p> <p>Where ICT functionality is closed to keyboards or keyboard interfaces and where input focus can be moved to a user interface element, it shall be possible to move the input focus away from that element using the same mechanism, in order to avoid trapping the input focus.</p>	<p>C.5.1.6.2 Input focus</p> <p>Type of assessment Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. ICT functionality is closed to keyboards or keyboard interfaces. 2. Input focus can be moved to a user interface element. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that it is possible to move the input focus away from that element using the same mechanism. <p>Result</p>

EN 301 549 clause	Determination of conformance
	Pass: Check 1 is true Fail: Check 1 is false Not applicable: Pre-condition 1 or 2 is not met
<p>5.1.7 Access without speech</p> <p>Where speech is needed to operate closed functions of ICT, the ICT shall provide at least one mode of operation using an alternative input mechanism that does not require speech.</p>	<p>C.5.1.7 Access without speech</p> <p>Type of assessment Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> Speech is needed to enable the use of closed functions of ICT. <p>Procedure</p> <ol style="list-style-type: none"> Check that the closed functions can be enabled by an alternative input mechanism that does not require speech. <p>Result Pass: Check 1 is true Fail: Check 1 is false Not applicable: Pre-condition 1 is not met</p>
<p>5.2 Activation of accessibility features</p> <p>Where ICT has documented accessibility features, it shall be possible to activate those documented accessibility features that are required to meet a specific need without relying on a method that does not support that need.</p>	<p>C.5.2 Activation of accessibility features</p> <p>Type of assessment Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT has documented accessibility features to meet a specific need. <p>Procedure</p>

EN 301 549 clause	Determination of conformance
	<p>1. Check that it is possible to activate those accessibility features without relying on a method that does not support that need.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met</p>
9 Web	---
<p>9.0 General (informative)</p> <p>Requirements in clause 9 apply to web pages (as defined in clause 3.1) including:</p> <ul style="list-style-type: none"> • Conformance with W3C Web Content Accessibility Guidelines (WCAG 2.0) Level AA is equivalent to conforming with clauses 9.1.1, 9.1.2, 9.1.3.1 to 9.1.3.3, 9.1.4.1 to 9.1.4.5, 9.2.1.1, 9.2.1.2, 9.2.2, 9.2.3, 9.2.4, 9.3, 9.4.1.1, 9.4.1.2 and the conformance requirements of clause 9.6 of the present document. • Conformance with W3C Web Content Accessibility Guidelines (WCAG 2.1) [5] Level AA is equivalent to conforming with all of clauses 9.1 to 9.4 and the conformance requirements of clause 9.6 of the present document. • Requirements for non-web documents and non-web software are given in clauses 10 and 11 respectively. <p>NOTE 1: When evaluating websites they are evaluated as individual web pages. Web applications, including mobile web applications, are covered under the definition of web page which is quite broad and covers all web content types.</p> <p>NOTE 2: WCAG 2.0 is identical to ISO/IEC 40500:2012: "Information technology - W3C Web Content Accessibility Guidelines (WCAG) 2.0" [4].</p> <p>The requirements in clauses 9.1 to 9.4 are written using the concept of satisfying success criteria (defined in clause 3.1). A web page satisfies a WCAG success criterion when the success criterion does not evaluate to false when applied to the web page. This implies that if the success criterion puts conditions on a</p>	<p>C.9.0 General (informative)</p> <p>Clause 9.0 is informative only and contains no requirements requiring test.</p>

EN 301 549 clause	Determination of conformance
<p>specific feature and that specific feature does not occur in the web page, then the web page satisfies the success criterion.</p> <p>NOTE 3: For example, a web page that does not contain pre-recorded audio content in synchronized media will automatically satisfy WCAG success criterion 1.2.2 (captions - pre-recorded) and, in consequence, will also conform to clause 9.1.2.2.</p> <p>In addition to Level AA success criteria, the Web Content Accessibility Guidelines also include success criteria for Level AAA. These are listed in clause 9.5 of the present document. Web authors and procurement accessibility specialists are encouraged to consider whether any of the WCAG Level AAA success criteria offer suggestions that may be applicable and relevant to their project, as well as potentially beneficial to some users.</p> <p>NOTE 4: The W3C states that "It is not recommended that Level AAA conformance be required as a general policy for entire sites because it is not possible to satisfy all Level AAA Success Criteria for some content".</p> <p>NOTE 5: "Void" clauses have been inserted in order to maintain alignment with the numbering of WCAG 2.1 Level A and Level AA Success Criteria.</p>	
9.1 Perceivable	---
9.1.1 Text alternatives	---
<p>9.1.1.1 Non-text content</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 1.1.1 Non-text content.</p> <p>WCAG 2.1 Success Criterion 1.1.1 Non-text content</p> <p>Understanding Non-text Content</p> <p>How to Meet Non-text Content</p> <p>(Level A)</p> <p>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.</p> <ul style="list-style-type: none"> Controls, Input: If non-text content is a control or accepts user input, then it has a name that describes its purpose. (Refer to Success Criterion 	<p>C.9.1.1.1 Non-text content</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <p>1. The ICT is a web page.</p> <p>Procedure</p> <p>1. Check that the web page does not fail WCAG 2.1 Success Criterion 1.1.1 Non-text content.</p> <p>Result</p>

EN 301 549 clause	Determination of conformance
<p>4.1.2 for additional requirements for controls and content that accepts user input.)</p> <ul style="list-style-type: none"> • Time-Based Media: If non-text content is time-based media, then text alternatives at least provide descriptive identification of the non-text content. (Refer to Guideline 1.2 for additional requirements for media.) • Test: If non-text content is a test or exercise that would be invalid if presented in text, then text alternatives at least provide descriptive identification of the non-text content. • Sensory: If non-text content is primarily intended to create a specific sensory experience, then text alternatives at least provide descriptive identification of the non-text content. • CAPTCHA: If the purpose of non-text content is to confirm that content is being accessed by a person rather than a computer, then text alternatives that identify and describe the purpose of the non-text content are provided, and alternative forms of CAPTCHA using output modes for different types of sensory perception are provided to accommodate different disabilities. • Decoration, Formatting, Invisible: If non-text content is pure decoration, is used only for visual formatting, or is not presented to users, then it is implemented in a way that it can be ignored by assistive technology. 	<p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 1.1.1 Non-text content.</p>
<p>9.1.2 Time-based media</p>	<p>---</p>
<p>9.1.2.1 Audio-only and video-only (prerecorded)</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 1.2.1 Audio-only and Video-only (Prerecorded).</p> <p>WCAG 2.1 Success Criterion 1.2.1 Audio-only and Video-only (Prerecorded)</p> <p>Understanding Audio-only and Video-only (Prerecorded)</p> <p>How to Meet Audio-only and Video-only (Prerecorded)</p> <p>(Level A)</p> <p>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:</p>	<p>C.9.1.2.1 Audio-only and video-only (prerecorded)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a web page. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the web page does not fail WCAG 2.1 Success Criterion 1.2.1 Audio-only and Video-only (Prerecorded). <p>Result</p>

EN 301 549 clause	Determination of conformance
<ul style="list-style-type: none"> Prerecorded Audio-only: An alternative for time-based media is provided that presents equivalent information for prerecorded audio-only content. Prerecorded Video-only: Either an alternative for time-based media or an audio track is provided that presents equivalent information for prerecorded video-only content. 	<p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 1.2.1 Audio-only and Video-only (Prerecorded).</p>
<p>9.1.2.2 Captions (prerecorded)</p> <p>Where ICT is a web page, it shall satisfy the WCAG 2.1 Success Criterion 1.2.2 Captions (Prerecorded).</p> <p>WCAG 2.1 Success Criterion 1.2.2 Captions (Prerecorded)</p> <p>Understanding Captions (Prerecorded)</p> <p>How to Meet Captions (Prerecorded)</p> <p>(Level A)</p> <p>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.</p>	<p>C.9.1.2.2 Captions (prerecorded)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is a web page. <p>Procedure</p> <ol style="list-style-type: none"> Check that the web page does not fail WCAG 2.1 Success Criterion 1.2.2 Captions (Prerecorded). <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 1.2.2 Captions (Prerecorded).</p>
<p>9.1.2.3 Audio description or media alternative (prerecorded)</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 1.2.3 Audio Description or Media Alternative (Prerecorded).</p> <p>WCAG 2.1 Success Criterion 1.2.3 Audio Description or Media Alternative (Prerecorded)</p> <p>Understanding Audio Description or Media Alternative (Prerecorded)</p> <p>How to Meet Audio Description or Media Alternative (Prerecorded)</p>	<p>C.9.1.2.3 Audio description or media alternative (prerecorded)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is a web page.

EN 301 549 clause	Determination of conformance
<p>(Level A)</p> <p>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.</p>	<p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the web page does not fail WCAG 2.1 Success Criterion 1.2.3 Audio Description or Media Alternative (Prerecorded). <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 1.2.3 Audio Description or Media Alternative (Prerecorded).</p>
<p>9.1.2.4 Captions (live)</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 1.2.4 Captions (Live).</p> <p>WCAG 2.1 Success Criterion 1.2.4 Captions (Live)</p> <p>Understanding Captions (Live)</p> <p>How to Meet Captions (Live)</p> <p>(Level AA)</p> <p>Captions are provided for all live audio content in synchronized media.</p>	<p>C.9.1.2.4 Captions (live)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a web page. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the web page does not fail WCAG 2.1 Success Criterion 1.2.4 Captions (Live). <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 1.2.4 Captions (Live).</p>
<p>9.1.2.5 Audio description (prerecorded)</p>	<p>C.9.1.2.5 Audio description (prerecorded)</p>

EN 301 549 clause	Determination of conformance
<p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 1.2.5 Audio Description (Prerecorded).</p> <p>WCAG 2.1 Success Criterion 1.2.5 Audio Description (Prerecorded).</p> <p>Understanding Audio Description (Prerecorded)</p> <p>How to Meet Audio Description (Prerecorded)</p> <p>(Level AA)</p> <p>Audio description is provided for all prerecorded video content in synchronized media.</p>	<p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is a web page. <p>Procedure</p> <ol style="list-style-type: none"> Check that the web page does not fail WCAG 2.1 Success Criterion 1.2.5 Audio Description (Prerecorded). <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 1.2.5 Audio Description (Prerecorded).</p>
<p>9.1.3 Adaptable</p>	<p>---</p>
<p>9.1.3.1 Info and relationships</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 1.3.1 Info and Relationships.</p> <p>WCAG 2.1 Success Criterion 1.3.1 Info and Relationships</p> <p>Understanding Info and Relationships</p> <p>How to Meet Info and Relationships</p> <p>(Level A)</p> <p>Information, structure, and relationships conveyed through presentation can be programmatically determined or are available in text.</p>	<p>C.9.1.3.1 Info and relationships</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is a web page. <p>Procedure</p> <ol style="list-style-type: none"> Check that the web page does not fail WCAG 2.1 Success Criterion 1.3.1 Info and Relationships. <p>Result</p>

EN 301 549 clause	Determination of conformance
	Pass: Check 1 is true Fail: Check 1 is false Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 1.3.1 Info and Relationships.
<p>9.1.3.2 Meaningful sequence</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 1.3.2 Meaningful Sequence.</p> <p>WCAG 2.1 Success Criterion 1.3.2 Meaningful Sequence</p> <p>Understanding Meaningful Sequence</p> <p>How to Meet Meaningful Sequence</p> <p>(Level A)</p> <p>When the sequence in which content is presented affects its meaning, a correct reading sequence can be programmatically determined.</p>	<p>C.9.1.3.2 Meaningful sequence</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is a web page. <p>Procedure</p> <ol style="list-style-type: none"> Check that the web page does not fail WCAG 2.1 Success Criterion 1.3.2 Meaningful Sequence. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 1.3.2 Meaningful Sequence.</p>
<p>9.1.3.3 Sensory characteristics</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 1.3.3 Sensory Characteristics.</p> <p>WCAG 2.1 Success Criterion 1.3.3 Sensory Characteristics</p> <p>Understanding Sensory Characteristics</p> <p>How to Meet Sensory Characteristics</p> <p>(Level A)</p>	<p>C.9.1.3.3 Sensory characteristics</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is a web page. <p>Procedure</p>

EN 301 549 clause	Determination of conformance
<p>Instructions provided for understanding and operating content do not rely solely on sensory characteristics of components such as shape, color, size, visual location, orientation, or sound.</p> <p>Note: For requirements related to color, refer to Guideline 1.4.</p>	<p>1. Check that the web page does not fail WCAG 2.1 Success Criterion 1.3.3 Sensory Characteristics.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 1.3.3 Sensory Characteristics.</p>
<p>9.1.3.4 Orientation</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 1.3.4 Orientation.</p> <p>WCAG 2.1 Success Criterion 1.3.4 Orientation</p> <p>Understanding Orientation</p> <p>How to Meet Orientation</p> <p>(Level AA)</p> <p>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.</p> <p>Note: Examples where a particular display orientation may be essential are a bank check, a piano application, slides for a projector or television, or virtual reality content where binary display orientation is not applicable.</p>	<p>C.9.1.3.4 Orientation</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <p>1. The ICT is a web page.</p> <p>Procedure</p> <p>1. Check that the web page does not fail WCAG 2.1 Success Criterion 1.3.4 Orientation.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 1.3.4 Orientation.</p>
<p>9.1.3.5 Identify input purpose</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 1.3.5 Identify Input Purpose.</p>	<p>C.9.1.3.5 Identify input purpose</p> <p>Type of assessment</p> <p>Inspection</p>

EN 301 549 clause	Determination of conformance
<p>WCAG 2.1 Success Criterion 1.3.5 Identify Input Purpose Understanding Identify Input Purpose How to Meet Identify Input Purpose (Level AA) The purpose of each input field collecting information about the user can be programmatically determined when:</p> <ul style="list-style-type: none"> • 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. 	<p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a web page. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the web page does not fail WCAG 2.1 Success Criterion 1.3.5 Identify Input Purpose. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 1.3.5 Identify Input Purpose.</p>
<p>9.1.4 Distinguishable</p>	<p>---</p>
<p>9.1.4.1 Use of colour Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 1.4.1 Use of Color. WCAG 2.1 Success Criterion 1.4.1 Use of Color Understanding Use of Color How to Meet 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. Note: This success criterion addresses color perception specifically. Other forms of perception are covered in Guideline 1.3 including programmatic access to color and other visual presentation coding.</p>	<p>C.9.1.4.1 Use of colour</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a web page. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the web page does not fail WCAG 2.1 Success Criterion 1.4.1 Use of Color. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p>

EN 301 549 clause	Determination of conformance
	Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 1.4.1 Use of Color.
<p>9.1.4.2 Audio control</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 1.4.2 Audio Control.</p> <p>WCAG 2.1 Success Criterion 1.4.2 Audio Control</p> <p>Understanding Audio Control</p> <p>How to Meet Audio Control</p> <p>(Level A)</p> <p>If any audio on a Web page 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.</p> <p>Note: Since any content that does not meet this success criterion can interfere with a user's ability to use the whole page, all content on the Web page (whether or not it is used to meet other success criteria) must meet this success criterion. See Conformance Requirement 5: Non-Interference.</p>	<p>C.9.1.4.2 Audio control</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <p>1. The ICT is a web page.</p> <p>Procedure</p> <p>1. Check that the web page does not fail WCAG 2.1 Success Criterion 1.4.2 Audio Control.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 1.4.2 Audio Control.</p>
<p>9.1.4.3 Contrast (minimum)</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 1.4.3 Contrast (Minimum).</p> <p>WCAG 2.1 Success Criterion 1.4.3 Contrast (Minimum)</p> <p>Understanding Contrast (Minimum)</p> <p>How to Meet Contrast (Minimum)</p> <p>(Level AA)</p> <p>The visual presentation of text and images of text has a contrast ratio of at least 4.5:1, except for the following:</p>	<p>C.9.1.4.3 Contrast (minimum)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <p>1. The ICT is a web page.</p> <p>Procedure</p>

EN 301 549 clause	Determination of conformance
<ul style="list-style-type: none"> • 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 contrast requirement. 	<ol style="list-style-type: none"> 1. Check that the web page does not fail WCAG 2.1 Success Criterion 1.4.3 Contrast (Minimum). <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 1.4.3 Contrast (Minimum).</p>
<p>9.1.4.4 Resize text</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 1.4.4 Resize text.</p> <p>WCAG 2.1 Success Criterion 1.4.4 Resize text</p> <p>Understanding Resize text</p> <p>How to Meet Resize text</p> <p>(Level AA)</p> <p>Except for captions and images of text, text can be resized without assistive technology up to 200 percent without loss of content or functionality.</p>	<p>C.9.1.4.4 Resize text</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a web page. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the web page does not fail WCAG 2.1 Success Criterion 1.4.4 Resize text. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 1.4.4 Resize text.</p>
<p>9.1.4.5 Images of text</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 1.4.5 Images of Text.</p>	<p>C.9.1.4.5 Images of text</p> <p>Type of assessment</p> <p>Inspection</p>

EN 301 549 clause	Determination of conformance
<p>WCAG 2.1 Success Criterion 1.4.5 Images of Text.</p> <p>Understanding Images of Text</p> <p>How to Meet Images of Text</p> <p>(Level AA)</p> <p>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:</p> <ul style="list-style-type: none"> • 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. <p>Note: Logotypes (text that is part of a logo or brand name) are considered essential.</p>	<p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a web page. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the web page does not fail WCAG 2.1 Success Criterion 1.4.5 Images of Text. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 1.4.5 Images of Text.</p>
<p>9.1.4.10 Reflow</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 1.4.10 Reflow.</p> <p>WCAG 2.1 Success Criterion 1.4.10 Reflow</p> <p>Understanding Reflow</p> <p>How to Meet Reflow</p> <p>(Level AA)</p> <p>Content can be presented without loss of information or functionality, and without requiring scrolling in two dimensions for:</p> <ul style="list-style-type: none"> • Vertical scrolling content at a width equivalent to 320 CSS pixels; • Horizontal scrolling content at a height equivalent to 256 CSS pixels. <p>Except for parts of the content which require two-dimensional layout for usage or meaning.</p> <p>Note: 320 CSS pixels is equivalent to a starting viewport width of 1280 CSS pixels wide at 400% zoom. For web content which are designed to scroll</p>	<p>C.9.1.4.10 Reflow</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a web page. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the web page does not fail WCAG 2.1 Success Criterion 1.4.10 Reflow. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p>

EN 301 549 clause	Determination of conformance
<p>horizontally (e.g. with vertical text), the 256 CSS pixels is equivalent to a starting viewport height of 1024px at 400% zoom.</p> <p>Note: Examples of content which require two-dimensional layout are images, maps, diagrams, video, games, presentations, data tables, and interfaces where it is necessary to keep toolbars in view while manipulating content.</p>	<p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 1.4.10 Reflow.</p>
<p>9.1.4.11 Non-text contrast</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 1.4.11 Non-text Contrast.</p> <p>WCAG 2.1 Success Criterion 1.4.11 Non-text Contrast</p> <p>Understanding Non-text Contrast</p> <p>How to Meet Non-text Contrast</p> <p>(Level AA)</p> <p>The visual presentation of the following have a contrast ratio of at least 3:1 against adjacent color(s):</p> <ul style="list-style-type: none"> • User Interface Components: Visual information required to identify user interface components and states, except for inactive components or where the appearance of the component is determined by the user agent and not modified by the author; • Graphical Objects: Parts of graphics required to understand the content, except when a particular presentation of graphics is essential to the information being conveyed. 	<p>C.9.1.4.11 Non-text contrast</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a web page. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the web page does not fail WCAG 2.1 Success Criterion 1.4.11 Non-text Contrast. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 1.4.11 Non-text Contrast.</p>
<p>9.1.4.12 Text spacing</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 1.4.12 Text spacing.</p> <p>WCAG 2.1 Success Criterion 1.4.12 Text spacing</p> <p>Understanding Text Spacing</p> <p>How to Meet Text Spacing</p> <p>(Level AA)</p>	<p>C.9.1.4.12 Text spacing</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a web page. <p>Procedure</p>

EN 301 549 clause	Determination of conformance
<p>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:</p> <ul style="list-style-type: none"> • Line height (line spacing) to at least 1.5 times the font size; • Spacing following paragraphs to at least 2 times the font size; • Letter spacing (tracking) to at least 0.12 times the font size; • Word spacing to at least 0.16 times the font size. <p>Exception: Human languages and scripts that do not make use of one or more of these text style properties in written text can conform using only the properties that exist for that combination of language and script.</p>	<ol style="list-style-type: none"> 1. Check that the web page does not fail WCAG 2.1 Success Criterion 1.4.12 Text spacing. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 1.4.12 Text spacing.</p>
<p>9.1.4.13 Content on hover or focus</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 1.4.13 Content on Hover or Focus.</p> <p>WCAG 2.1 Success Criterion 1.4.13 Content on Hover or Focus</p> <p>Understanding Content on Hover or Focus</p> <p>How to Meet Content on Hover or Focus</p> <p>(Level AA)</p> <p>Where receiving and then removing pointer hover or keyboard focus triggers additional content to become visible and then hidden, the following are true:</p> <ul style="list-style-type: none"> • Dismissible: A mechanism is available to dismiss the additional content without moving pointer hover or keyboard focus, unless the additional content communicates an input error or does not obscure or replace other content; • Hoverable: If pointer hover can trigger the additional content, then the pointer can be moved over the additional content without the additional content disappearing; • Persistent: The additional content remains visible until the hover or focus trigger is removed, the user dismisses it, or its information is no longer valid. 	<p>C.9.1.4.13 Content on hover or focus</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a web page. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the web page does not fail WCAG 2.1 Success Criterion 1.4.13 Content on Hover or Focus. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 1.4.13 Content on Hover or Focus.</p>

EN 301 549 clause	Determination of conformance
<p>Exception: The visual presentation of the additional content is controlled by the user agent and is not modified by the author.</p> <p>Note: Examples of additional content controlled by the user agent include browser tooltips created through use of the HTML title attribute.</p> <p>Note: Custom tooltips, sub-menus, and other non-modal popups that display on hover and focus are examples of additional content covered by this criterion.</p>	
9.2 Operable	---
9.2.1 Keyboard accessible	---
<p>9.2.1.1 Keyboard</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 2.1.1 Keyboard.</p> <p>WCAG 2.1 Success Criterion 2.1.1 Keyboard</p> <p>Understanding Keyboard</p> <p>How to Meet Keyboard</p> <p>(Level A)</p> <p>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.</p> <p>Note: This exception relates to the underlying function, not the input technique. For example, if using handwriting to enter text, the input technique (handwriting) requires path-dependent input but the underlying function (text input) does not.</p> <p>Note: This does not forbid and should not discourage providing mouse input or other input methods in addition to keyboard operation.</p>	<p>C.9.2.1.1 Keyboard</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <p>1. The ICT is a web page.</p> <p>Procedure</p> <p>1. Check that the web page does not fail WCAG 2.1 Success Criterion 2.1.1 Keyboard.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 2.1.1 Keyboard.</p>
<p>9.2.1.2 No keyboard trap</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 2.1.2 No Keyboard Trap.</p> <p>WCAG 2.1 Success Criterion 2.1.2 No Keyboard Trap</p>	<p>C.9.2.1.2 No keyboard trap</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p>

EN 301 549 clause	Determination of conformance
<p>Understanding No Keyboard Trap</p> <p>How to Meet No Keyboard Trap</p> <p>(Level A)</p> <p>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.</p> <p>Note: Since any content that does not meet this success criterion can interfere with a user's ability to use the whole page, all content on the Web page (whether it is used to meet other success criteria or not) must meet this success criterion. See Conformance Requirement 5: Non-Interference.</p>	<p>1. The ICT is a web page.</p> <p>Procedure</p> <p>1. Check that the web page does not fail WCAG 2.1 Success Criterion 2.1.2 No Keyboard Trap.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 2.1.2 No Keyboard Trap.</p>
<p>9.2.1.4 Character key shortcuts</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 2.1.4 Character Key Shortcuts.</p> <p>WCAG 2.1 Success Criterion 2.1.4 Character Key Shortcuts</p> <p>Understanding Character Key Shortcuts</p> <p>How to Meet Character Key Shortcuts</p> <p>(Level A)</p> <p>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:</p> <ul style="list-style-type: none"> • 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. 	<p>C.9.2.1.4 Character key shortcuts</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <p>1. The ICT is a web page.</p> <p>Procedure</p> <p>1. Check that the web page does not fail WCAG 2.1 Success Criterion 2.1.4 Character Key Shortcuts.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 2.1.4 Character Key Shortcuts.</p>

EN 301 549 clause	Determination of conformance
9.2.2 Enough time	---
<p>9.2.2.1 Timing adjustable</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 2.2.1 Timing Adjustable.</p> <p>WCAG 2.1 Success Criterion 2.2.1 Timing Adjustable</p> <p>Understanding Timing Adjustable</p> <p>How to Meet Timing Adjustable</p> <p>(Level A)</p> <p>For each time limit that is set by the content, at least one of the following is true:</p> <ul style="list-style-type: none"> • 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 • 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. <p>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.</p>	<p>C.9.2.2.1 Timing adjustable</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a web page. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the web page does not fail WCAG 2.1 Success Criterion 2.2.1 Timing Adjustable. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 2.2.1 Timing Adjustable.</p>
<p>9.2.2.2 Pause, stop, hide</p>	<p>C.9.2.2.2 Pause, stop, hide</p> <p>Type of assessment</p>

EN 301 549 clause	Determination of conformance
<p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 2.2.2 Pause, Stop, Hide.</p> <p>WCAG 2.1 Success Criterion 2.2.2 Pause, Stop, Hide</p> <p>Understanding Pause, Stop, Hide</p> <p>How to Meet Pause, Stop, Hide</p> <p>(Level A)</p> <p>For moving, blinking, scrolling, or auto-updating information, all of the following are true:</p> <ul style="list-style-type: none"> • 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. <p>Note: For requirements related to flickering or flashing content, refer to Guideline 2.3.</p> <p>Note: Since any content that does not meet this success criterion can interfere with a user's ability to use the whole page, all content on the Web page (whether it is used to meet other success criteria or not) must meet this success criterion. See Conformance Requirement 5: Non-Interference.</p> <p>Note: Content that is updated periodically by software or that is streamed to the user agent is not required to preserve or present information that is generated or received between the initiation of the pause and resuming presentation, as this may not be technically possible, and in many situations could be misleading to do so.</p> <p>Note: An animation that occurs as part of a preload phase or similar situation can be considered essential if interaction cannot occur during that phase for all users</p>	<p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a web page. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the web page does not fail WCAG 2.1 Success Criterion 2.2.2 Pause, Stop, Hide. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 2.2.2 Pause, Stop, Hide.</p>

EN 301 549 clause	Determination of conformance
and if not indicating progress could confuse users or cause them to think that content was frozen or broken.	
9.2.3 Seizures and physical reactions	---
<p>9.2.3.1 Three flashes or below threshold</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 2.3.1 Three Flashes or Below Threshold.</p> <p>WCAG 2.1 Success Criterion 2.3.1 Three Flashes or Below Threshold</p> <p>Understanding Three Flashes or Below Threshold</p> <p>How to Meet Three Flashes or Below Threshold</p> <p>(Level A)</p> <p>Web pages 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.</p> <p>Note: Since any content that does not meet this success criterion can interfere with a user's ability to use the whole page, all content on the Web page (whether it is used to meet other success criteria or not) must meet this success criterion. See Conformance Requirement 5: Non-Interference.</p>	<p>C.9.2.3.1 Three flashes or below threshold</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <p>1. The ICT is a web page.</p> <p>Procedure</p> <p>1. Check that the web page does not fail WCAG 2.1 Success Criterion 2.3.1 Three Flashes or Below Threshold.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 2.3.1 Three Flashes or Below Threshold.</p>
9.2.4 Navigable	---
<p>9.2.4.1 Bypass blocks</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 2.4.1 Bypass Blocks.</p> <p>WCAG 2.1 Success Criterion 2.4.1 Bypass Blocks</p> <p>Understanding Bypass Blocks</p> <p>How to Meet Bypass Blocks</p> <p>(Level A)</p>	<p>C.9.2.4.1 Bypass blocks</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <p>1. The ICT is a web page.</p> <p>Procedure</p>

EN 301 549 clause	Determination of conformance
<p>A mechanism is available to bypass blocks of content that are repeated on multiple Web pages.</p>	<p>1. Check that the web page does not fail WCAG 2.1 Success Criterion 2.4.1 Bypass Blocks.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 2.4.1 Bypass Blocks.</p>
<p>9.2.4.2 Page titled</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 2.4.2 Page Titled.</p> <p>WCAG 2.1 Success Criterion 2.4.2 Page Titled</p> <p>Understanding Page Titled</p> <p>How to Meet Page Titled</p> <p>(Level A)</p> <p>Web pages have titles that describe topic or purpose.</p>	<p>C.9.2.4.2 Page titled</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <p>1. The ICT is a web page.</p> <p>Procedure</p> <p>1. Check that the web page does not fail WCAG 2.1 Success Criterion 2.4.2 Page Titled.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 2.4.2 Page Titled.</p>
<p>9.2.4.3 Focus Order</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 2.4.3 Focus Order.</p>	<p>C.9.2.4.3 Focus Order</p> <p>Type of assessment</p> <p>Inspection</p>

EN 301 549 clause	Determination of conformance
<p>WCAG 2.1 Success Criterion 2.4.3 Focus Order</p> <p>Understanding Focus Order</p> <p>How to Meet Focus Order</p> <p>(Level A)</p> <p>If a Web page can be navigated sequentially and the navigation sequences affect meaning or operation, focusable components receive focus in an order that preserves meaning and operability.</p>	<p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is a web page. <p>Procedure</p> <ol style="list-style-type: none"> Check that the web page does not fail WCAG 2.1 Success Criterion 2.4.3 Focus Order. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 2.4.3 Focus Order.</p>
<p>9.2.4.4 Link purpose (in context)</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 2.4.4 Link Purpose (In Context)-</p> <p>WCAG 2.1 Success Criterion 2.4.4 Link Purpose (In Context)</p> <p>Understanding Link Purpose (In Context)</p> <p>How to Meet Link Purpose (In Context)</p> <p>(Level A)</p> <p>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.</p>	<p>C.9.2.4.4 Link purpose (in context)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is a web page. <p>Procedure</p> <ol style="list-style-type: none"> Check that the web page does not fail WCAG 2.1 Success Criterion 2.4.4 Link Purpose (In Context). <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p>

EN 301 549 clause	Determination of conformance
	Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 2.4.4 Link Purpose (In Context).
<p>9.2.4.5 Multiple ways</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 2.4.5 Multiple Ways.</p> <p>WCAG 2.1 Success Criterion 2.4.5 Multiple Ways</p> <p>Understanding Multiple Ways</p> <p>How to Meet Multiple Ways</p> <p>(Level AA)</p> <p>More than one way is available to locate a Web page within a set of Web pages except where the Web Page is the result of, or a step in, a process.</p>	<p>C.9.2.4.5 Multiple ways</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a web page. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the web page does not fail WCAG 2.1 Success Criterion 2.4.5 Multiple Ways. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 2.4.5 Multiple Ways.</p>
<p>9.2.4.6 Headings and labels</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 2.4.6 Headings and Labels.</p> <p>WCAG 2.1 Success Criterion 2.4.6 Headings and Labels</p> <p>Understanding Headings and Labels</p> <p>How to Meet Headings and Labels</p> <p>(Level AA)</p> <p>Headings and labels describe topic or purpose.</p>	<p>C.9.2.4.6 Headings and labels</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a web page. <p>Procedure</p>

EN 301 549 clause	Determination of conformance
	<p>1. Check that the web page does not fail WCAG 2.1 Success Criterion 2.4.6 Headings and Labels.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 2.4.6 Headings and Labels.</p>
<p>9.2.4.7 Focus visible</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 2.4.7 Focus Visible.</p> <p>WCAG 2.1 Success Criterion 2.4.7 Focus Visible</p> <p>Understanding Focus Visible</p> <p>How to Meet Focus Visible</p> <p>(Level AA)</p> <p>Any keyboard operable user interface has a mode of operation where the keyboard focus indicator is visible.</p>	<p>C.9.2.4.7 Focus visible</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <p>1. The ICT is a web page.</p> <p>Procedure</p> <p>1. Check that the web page does not fail WCAG 2.1 Success Criterion 2.4.7 Focus Visible.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 2.4.7 Focus Visible.</p>
<p>9.2.5 Input modalities</p>	<p>---</p>
<p>9.2.5.1 Pointer gestures</p>	<p>C.9.2.5.1 Pointer gestures</p> <p>Type of assessment</p>

EN 301 549 clause	Determination of conformance
<p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 2.5.1 Pointer Gestures.</p> <p>WCAG 2.1 Success Criterion 2.5.1 Pointer Gestures</p> <p>Understanding Pointer Gestures</p> <p>How to Meet Pointer Gestures</p> <p>(Level A)</p> <p>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.</p> <p>Note: This requirement applies to web content that interprets pointer actions (i.e. this does not apply to actions that are required to operate the user agent or assistive technology).</p>	<p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is a web page. <p>Procedure</p> <ol style="list-style-type: none"> Check that the web page does not fail WCAG 2.1 Success Criterion 2.5.1 Pointer Gestures. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 2.5.1 Pointer Gestures.</p>
<p>9.2.5.2 Pointer cancellation</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 2.5.2 Pointer Cancellation.</p> <p>WCAG 2.1 Success Criterion 2.5.2 Pointer Cancellation</p> <p>Understanding Pointer Cancellation</p> <p>How to Meet Pointer Cancellation</p> <p>(Level A)</p> <p>For functionality that can be operated using a single pointer, at least one of the following is true:</p> <ul style="list-style-type: none"> 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 function before completion or to undo the function after completion; 	<p>C.9.2.5.2 Pointer cancellation</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is a web page. <p>Procedure</p> <ol style="list-style-type: none"> Check that the web page does not fail WCAG 2.1 Success Criterion 2.5.2 Pointer Cancellation. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p>

EN 301 549 clause	Determination of conformance
<ul style="list-style-type: none"> Up Reversal: The up-event reverses any outcome of the preceding down-event; Essential: Completing the function on the down-event is essential. <p>Note: Functions that emulate a keyboard or numeric keypad key press are considered essential.</p> <p>Note: This requirement applies to web content that interprets pointer actions (i.e. this does not apply to actions that are required to operate the user agent or assistive technology).</p>	<p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 2.5.2 Pointer Cancellation.</p>
<p>9.2.5.3 Label in name</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 2.5.3 Label in Name.</p> <p>WCAG 2.1 Success Criterion 2.5.3 Label in Name</p> <p>Understanding Label in Name</p> <p>How to Meet Label in Name</p> <p>(Level A)</p> <p>For user interface components with labels that include text or images of text, the name contains the text that is presented visually.</p> <p>Note: A best practice is to have the text of the label at the start of the name.</p>	<p>C.9.2.5.3 Label in name</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is a web page. <p>Procedure</p> <ol style="list-style-type: none"> Check that the web page does not fail WCAG 2.1 Success Criterion 2.5.3 Label in Name. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 2.5.3 Label in Name.</p>
<p>9.2.5.4 Motion actuation</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 2.5.4 Motion Actuation.</p> <p>WCAG 2.1 Success Criterion 2.5.4 Motion Actuation</p>	<p>C.9.2.5.4 Motion actuation</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p>

EN 301 549 clause	Determination of conformance
<p>Understanding Motion Actuation</p> <p>How to Meet Motion Actuation</p> <p>(Level A)</p> <p>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:</p> <ul style="list-style-type: none"> 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. 	<p>1. The ICT is a web page.</p> <p>Procedure</p> <p>1. Check that the web page does not fail WCAG 2.1 Success Criterion 2.5.4 Motion Actuation.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 2.5.4 Motion Actuation.</p>
<p>9.3 Understandable</p>	<p>---</p>
<p>9.3.1 Readable</p>	<p>---</p>
<p>9.3.1.1 Language of page</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 3.1.1 Language of Page.</p> <p>WCAG 2.1 Success Criterion 3.1.1 Language of Page</p> <p>Understanding Language of Page</p> <p>How to Meet Language of Page</p> <p>(Level A)</p> <p>The default human language of each Web page can be programmatically determined.</p>	<p>C.9.3.1.1 Language of page</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <p>1. The ICT is a web page.</p> <p>Procedure</p> <p>1. Check that the web page does not fail WCAG 2.1 Success Criterion 3.1.1 Language of Page.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p>

EN 301 549 clause	Determination of conformance
	Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 3.1.1 Language of Page.
<p>9.3.1.2 Language of parts</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 3.1.2 Language of Parts.</p> <p>WCAG 2.1 Success Criterion 3.1.2 Language of Parts</p> <p>Understanding Language of Parts</p> <p>How to Meet Language of Parts</p> <p>(Level AA)</p> <p>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.</p>	<p>C.9.3.1.2 Language of parts</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <p>1. The ICT is a web page.</p> <p>Procedure</p> <p>1. Check that the web page does not fail WCAG 2.1 Success Criterion 3.1.2 Language of Parts.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 3.1.2 Language of Parts.</p>
<p>9.3.2 Predictable</p>	---
<p>9.3.2.1 On focus</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 3.2.1 On Focus.</p> <p>WCAG 2.1 Success Criterion 3.2.1 On Focus</p> <p>Understanding On Focus</p> <p>How to Meet On Focus</p> <p>(Level A)</p>	<p>C.9.3.2.1 On focus</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <p>1. The ICT is a web page.</p> <p>Procedure</p>

EN 301 549 clause	Determination of conformance
<p>When any user interface component receives focus, it does not initiate a change of context.</p>	<ol style="list-style-type: none"> 1. Check that the web page does not fail WCAG 2.1 Success Criterion 3.2.1 On Focus. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 3.2.1 On Focus.</p>
<p>9.3.2.2 On input</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 3.2.2 On Input.</p> <p>WCAG 2.1 Success Criterion 3.2.2 On Input</p> <p>Understanding On Input</p> <p>How to Meet On Input</p> <p>(Level A)</p> <p>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.</p>	<p>C.9.3.2.2 On input</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a web page. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the web page does not fail WCAG 2.1 Success Criterion 3.2.2 On Input. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 3.2.2 On Input.</p>
<p>9.3.2.3 Consistent navigation</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 3.2.3 Consistent Navigation.</p>	<p>C.9.3.2.3 Consistent navigation</p> <p>Type of assessment</p> <p>Inspection</p>

EN 301 549 clause	Determination of conformance
<p>WCAG 2.1 Success Criterion 3.2.3 Consistent Navigation</p> <p>Understanding Consistent Navigation</p> <p>How to Meet Consistent Navigation</p> <p>(Level AA)</p> <p>Navigational mechanisms that are repeated on multiple Web pages within a set of Web pages occur in the same relative order each time they are repeated, unless a change is initiated by the user.</p>	<p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is a web page. <p>Procedure</p> <ol style="list-style-type: none"> Check that the web page does not fail WCAG 2.1 Success Criterion 3.2.3 Consistent Navigation. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 3.2.3 Consistent Navigation.</p>
<p>9.3.2.4 Consistent identification</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 3.2.4 Consistent Identification.</p> <p>WCAG 2.1 Success Criterion 3.2.4 Consistent Identification</p> <p>Understanding Consistent Identification</p> <p>How to Meet Consistent Identification</p> <p>(Level AA)</p> <p>Components that have the same functionality within a set of Web pages are identified consistently.</p>	<p>C.9.3.2.4 Consistent identification</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is a web page. <p>Procedure</p> <ol style="list-style-type: none"> Check that the web page does not fail WCAG 2.1 Success Criterion 3.2.4 Consistent Identification. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p>

EN 301 549 clause	Determination of conformance
	Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 3.2.4 Consistent Identification.
9.3.3 Input assistance	---
<p>9.3.3.1 Error identification</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 3.3.1 Error Identification.</p> <p>WCAG 2.1 Success Criterion 3.3.1 Error Identification</p> <p>Understanding Error Identification</p> <p>How to Meet Error Identification</p> <p>(Level A)</p> <p>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.</p>	<p>C.9.3.3.1 Error identification</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a web page. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the web page does not fail WCAG 2.1 Success Criterion 3.3.1 Error Identification. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 3.3.1 Error Identification.</p>
<p>9.3.3.2 Labels or instructions</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 3.3.2 Labels or Instructions.</p> <p>WCAG 2.1 Success Criterion 3.3.2 Labels or Instructions</p> <p>Understanding Labels or Instructions</p> <p>How to Meet Labels or Instructions</p> <p>(Level A)</p> <p>Labels or instructions are provided when content requires user input.</p>	<p>C.9.3.3.2 Labels or instructions</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a web page. <p>Procedure</p>

EN 301 549 clause	Determination of conformance
	<p>1. Check that the web page does not fail WCAG 2.1 Success Criterion 3.3.2 Labels or Instructions.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 3.3.2 Labels or Instructions.</p>
<p>9.3.3.3 Error suggestion</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 3.3.3 Error Suggestion.</p> <p>WCAG 2.1 Success Criterion 3.3.3 Error Suggestion</p> <p>Understanding Error Suggestion</p> <p>How to Meet Error Suggestion</p> <p>(Level AA)</p> <p>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.</p>	<p>C.9.3.3.3 Error suggestion</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <p>1. The ICT is a web page.</p> <p>Procedure</p> <p>1. Check that the web page does not fail WCAG 2.1 Success Criterion 3.3.3 Error Suggestion.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 3.3.3 Error Suggestion.</p>
<p>9.3.3.4 Error prevention (legal, financial, data)</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 3.3.4 Error Prevention (Legal, Financial, Data).</p>	<p>C.9.3.3.4 Error prevention (legal, financial, data)</p> <p>Type of assessment</p> <p>Inspection</p>

EN 301 549 clause	Determination of conformance
<p>WCAG 2.1 Success Criterion 3.3.4 Error Prevention (Legal, Financial, Data) Understanding Error Prevention (Legal, Financial, Data) How to Meet Error Prevention (Legal, Financial, Data) (Level AA)</p> <p>For Web pages 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:</p> <ul style="list-style-type: none"> • 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. 	<p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a web page. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the web page does not fail WCAG 2.1 Success Criterion 3.3.4 Error Prevention (Legal, Financial, Data). <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 3.3.4 Error Prevention (Legal, Financial, Data).</p>
9.4 Robust	---
9.4.1 Compatible	---
<p>9.4.1.1 Parsing</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 4.1.1 Parsing.</p> <p>WCAG 2.1 Success Criterion 4.1.1 Parsing Understanding Parsing How to Meet Parsing (Level A)</p> <p>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.</p> <p>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.</p>	<p>C.9.4.1.1 Parsing</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a web page. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the web page does not fail WCAG 2.1 Success Criterion 4.1.1 Parsing. <p>Result</p> <p>Pass: Check 1 is true</p>

EN 301 549 clause	Determination of conformance
	<p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 4.1.1 Parsing.</p>
<p>9.4.1.2 Name, role, value</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 4.1.2 Name, Role, Value.</p> <p>WCAG 2.1 Success Criterion 4.1.2 Name, Role, Value</p> <p>Understanding Name, Role, Value</p> <p>How to Meet Name, Role, Value</p> <p>(Level A)</p> <p>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.</p> <p>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.</p>	<p>C.9.4.1.2 Name, role, value</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a web page. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the web page does not fail WCAG 2.1 Success Criterion 4.1.2 Name, Role, Value. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 4.1.2 Name, Role, Value.</p>
<p>9.4.1.3 Status messages</p> <p>Where ICT is a web page, it shall satisfy WCAG 2.1 Success Criterion 4.1.3 Status Messages.</p> <p>WCAG 2.1 Success Criterion 4.1.3 Status Messages</p> <p>Understanding Status Messages</p> <p>How to Meet Status Messages</p> <p>(Level AA)</p>	<p>C.9.4.1.3 Status messages</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a web page. <p>Procedure</p>

EN 301 549 clause	Determination of conformance
<p>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.</p>	<ol style="list-style-type: none"> 1. Check that the web page does not fail WCAG 2.1 Success Criterion 4.1.3 Status Messages. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the web page does not contain content relevant to WCAG 2.1 Success Criterion 4.1.3 Status Messages.</p>
<p>9.5 WCAG 2.1 AAA Success Criteria</p> <p>In addition to the Level AA success criteria, included in clauses 9.1 to 9.4, the Web Content Accessibility Guidelines include success criteria for Level AAA. These are listed in Annex - Table 9.1. Web authors and procurement accessibility specialists are encouraged to consider the WCAG 2.1 Level AAA success criteria that, when it is possible to apply them, may provide access beyond that required in the present document.</p> <p>NOTE: The W3C states that "It is not recommended that Level AAA conformance be required as a general policy for entire sites because it is not possible to satisfy all Level AAA Success Criteria for some content". Refer to Table 9.1: WCAG 2.1 Level AAA Success Criteria in Annex – Tables and figures (from EN 301 549).</p>	<p>C.9.5 WCAG 2.1 AAA Success Criteria</p> <p>Clause 9.5 is informative only and contains no requirements requiring test.</p>
<p>9.6 WCAG conformance requirements</p> <p>Where ICT is a web page, it shall satisfy all the following five WCAG 2.1 conformance requirements at Level AA [5]:</p> <ol style="list-style-type: none"> 1. Conformance level 2. Full pages 3. Complete processes 4. Only Accessibility-Supported Ways of Using Technologies 5. Non-interference 	<p>C.9.6 WCAG conformance requirements</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a web page. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the web page satisfies WCAG 2.1 [5] conformance requirement "1: Conformance level" at Level AA.

EN 301 549 clause	Determination of conformance
<p>NOTE 1: A Web page that meets all of requirements 9.1 to 9.4, or where a Level AA conforming alternate version (as defined in WCAG 2.1 [5]) is provided, will meet conformance requirement 1.</p> <p>NOTE 2: According to W3C: "WCAG 2.1 extends Web Content Accessibility Guidelines 2.0 [4], which was published as a W3C Recommendation December 2008. Content that conforms to WCAG 2.1 also conforms to WCAG 2.0, and therefore to policies that reference WCAG 2.0" [4].</p> <p>NOTE 3: Conformance requirement 5 states that all content on the page, including content that is not otherwise relied upon to meet conformance, meets clauses 9.1.4.2, 9.2.1.2, 9.2.2.2 and 9.2.3.1.</p>	<ol style="list-style-type: none"> 2. Check that the web page satisfies WCAG 2.1 [5] conformance requirement "2: Full pages". 3. Check that the web page satisfies WCAG 2.1 [5] conformance requirement "3: Complete processes". 4. Check that the web page satisfies WCAG 2.1 [5] conformance requirement "4: Only Accessibility-Supported Ways of Using Technologies". 5. Check that the web page satisfies WCAG 2.1 [5] conformance requirement "5: Non-interference". <p>Result</p> <p>Pass: All checks are true</p> <p>Fail: Any check is false</p> <p>Not applicable: Pre-condition 1 is not met.</p>
10 Non-web documents	---
<p>10.0 General (informative)</p> <p>Requirements in clause 10 apply to:</p> <ul style="list-style-type: none"> • documents that are not web pages; • documents that are not embedded in web pages; and • documents that are provided with web pages but are neither embedded nor rendered together with the web page from which they are provided (i.e. the present clause applies to downloadable documents). <p>Clause 9 provides requirements for documents that are in web pages or that are embedded in web pages and that are used in the rendering or that are intended to be rendered together with the web page in which they are embedded.</p> <p>NOTE 1: Some examples of documents are letters, spreadsheets, emails, books, pictures, presentations, and movies that have an associated user agent such as a document reader, editor or media player.</p> <p>NOTE 2: A single document may be composed of multiple files such as the video content, closed caption text, etc. This fact is not usually apparent to the end-user consuming the document/content.</p>	<p>C.10.0 General (informative)</p> <p>Clause 10.0 is advisory only and contains no requirements requiring test.</p>

EN 301 549 clause	Determination of conformance
<p>NOTE 3: Documents require a user agent in order for the content to be presented to users. The requirements for user agents can be found in clause 11.</p> <p>NOTE 4: The requirements for content that is part of software, can be found in clause 11.</p> <p>NOTE 5: The success criteria set out in clause 10 are intended to harmonize with the Working Group Note [i.26] produced by the W3C's WCAG2ICT Task Force.</p> <p>NOTE 6: "Void" clauses have been inserted in order to maintain alignment of the numbering in clauses 9, 10 and 11.</p> <p>NOTE 7: Requirements in clause 10 also apply to documents that are protected using mechanisms such as digital signatures, encryption, password protection, and watermarks when they are presented to the user.</p> <p>NOTE 8: It is best practice to provide meta data on the accessibility of the document within or separate to the document using WebSchemas/Accessibility 2.0 [i.38].</p>	
10.1 Perceivable	---
10.1.1 Text alternatives	---
<p>10.1.1.1 Non-text content</p> <p>Where ICT is a non-web document, it shall satisfy the WCAG 2.1 Success Criterion 1.1.1 Non-text Content.</p> <p>NOTE: CAPTCHAs do not currently appear outside of the Web. However, if they do appear, this guidance is accurate.</p> <p>WCAG 2.1 Success Criterion 1.1.1 Non-text Content</p> <p>Understanding Non-text Content</p> <p>How to Meet Non-text Content</p> <p>(Level A)</p> <p>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.</p> <ul style="list-style-type: none"> Controls, Input: If non-text content is a control or accepts user input, then it has a name that describes its purpose. (Refer to Success Criterion 	<p>C.10.1.1.1 Non-text content</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is a non-web document. <p>Procedure</p> <ol style="list-style-type: none"> Check that the document does not fail WCAG 2.1 Success Criterion 1.1.1 Non-text content. <p>Result</p> <p>Pass: Check 1 is true</p>

EN 301 549 clause	Determination of conformance
<p>4.1.2 for additional requirements for controls and content that accepts user input.)</p> <ul style="list-style-type: none"> • Time-Based Media: If non-text content is time-based media, then text alternatives at least provide descriptive identification of the non-text content. (Refer to Guideline 1.2 for additional requirements for media.) • Test: If non-text content is a test or exercise that would be invalid if presented in text, then text alternatives at least provide descriptive identification of the non-text content. • Sensory: If non-text content is primarily intended to create a specific sensory experience, then text alternatives at least provide descriptive identification of the non-text content. • CAPTCHA: If the purpose of non-text content is to confirm that content is being accessed by a person rather than a computer, then text alternatives that identify and describe the purpose of the non-text content are provided, and alternative forms of CAPTCHA using output modes for different types of sensory perception are provided to accommodate different disabilities. • Decoration, Formatting, Invisible: If non-text content is pure decoration, is used only for visual formatting, or is not presented to users, then it is implemented in a way that it can be ignored by assistive technology. 	<p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 1.1.1 Non-text content.</p>
<p>10.1.2 Time-based media</p>	<p>---</p>
<p>10.1.2.1 Audio-only and video-only (prerecorded)</p> <p>Where ICT is a non-web document, it shall satisfy WCAG 2.1 Success Criterion 1.2.1 Audio-only and Video-only (Prerecorded).</p> <p>NOTE: The alternative can be provided directly in the document - or provided in an alternate version that meets the success criterion.</p> <p>Success Criterion 1.2.1 Audio-only and Video-only (Prerecorded)</p> <p>Understanding Audio-only and Video-only (Prerecorded)</p> <p>How to Meet Audio-only and Video-only (Prerecorded)</p> <p>(Level A)</p> <p>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:</p>	<p>C.10.1.2.1 Audio-only and video-only (prerecorded)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a non-web document. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the document does not fail WCAG 2.1 Success Criterion 1.2.1 Audio-only and Video-only (Prerecorded). <p>Result</p>

EN 301 549 clause	Determination of conformance
<ul style="list-style-type: none"> Prerecorded Audio-only: An alternative for time-based media is provided that presents equivalent information for prerecorded audio-only content. Prerecorded Video-only: Either an alternative for time-based media or an audio track is provided that presents equivalent information for prerecorded video-only content. 	<p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 1.2.1 Audio-only and Video-only (Prerecorded).</p>
<p>10.1.2.2 Captions (prerecorded)</p> <p>Where ICT is a non-web document, it shall satisfy the WCAG 2.1 Success Criterion 1.2.2 Captions (Prerecorded).</p> <p>NOTE: The WCAG 2.1 definition of "captions" notes that "in some countries, captions are called subtitles". They are also sometimes referred to as "subtitles for the hearing impaired". Per the definition in WCAG 2.1, to meet this success criterion, whether called captions or subtitles, they would have to provide "synchronized visual and / or text alternative for both speech and non-speech audio information needed to understand the media content" where non-speech information includes "sound effects, music, laughter, speaker identification and location".</p> <p>WCAG 2.1 Success Criterion 1.2.2 Captions (Prerecorded).</p> <p>Understanding Captions (Prerecorded)</p> <p>How to Meet Captions (Prerecorded)</p> <p>(Level A)</p> <p>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.</p>	<p>C.10.1.2.2 Captions (prerecorded)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is a non-web document. <p>Procedure</p> <ol style="list-style-type: none"> Check that the document does not fail WCAG 2.1 Success Criterion 1.2.2 Captions (Prerecorded). <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 1.2.2 Captions (Prerecorded).</p>
<p>10.1.2.3 Audio description or media alternative (prerecorded)</p> <p>Where ICT is a non-web document, it shall satisfy the WCAG 2.1 Success Criterion 1.2.3 Audio Description or Media Alternative (Prerecorded).</p> <p>NOTE 1: The WCAG 2.1 definition of "audio description" says that "audio description" is "Also called 'video description' and 'descriptive narration'".</p> <p>NOTE 2: Secondary or alternate audio tracks are commonly used for this purpose.</p>	<p>C.10.1.2.3 Audio description or media alternative (prerecorded)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is a non-web document.

EN 301 549 clause	Determination of conformance
<p>WCAG 2.1 Success Criterion 1.2.3 Audio Description or Media Alternative (Prerecorded).</p> <p>Understanding Audio Description or Media Alternative (Prerecorded) How to Meet Audio Description or Media Alternative (Prerecorded)</p> <p>(Level A)</p> <p>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.</p>	<p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the document does not fail WCAG 2.1 Success Criterion 1.2.3 Audio Description or Media Alternative (Prerecorded). <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 1.2.3 Audio Description or Media Alternative (Prerecorded).</p>
<p>10.1.2.4 Captions (live)</p> <p>Where ICT is a non-web document, it shall satisfy the WCAG 2.1 Success Criterion 1.2.4 Captions (Live).</p> <p>NOTE: The WCAG 2.1 definition of "captions" notes that "in some countries, captions are called subtitles". They are also sometimes referred to as "subtitles for the hearing impaired". Per the definition in WCAG 2.1, to meet this success criterion, whether called captions or subtitles, they would have to provide "synchronized visual and / or text alternative for both speech and non-speech audio information needed to understand the media content" where non-speech information includes "sound effects, music, laughter, speaker identification and location".</p> <p>WCAG 2.1 Success Criterion 1.2.4 Captions (Live)</p> <p>Understanding Captions (Live) How to Meet Captions (Live)</p> <p>(Level AA)</p> <p>Captions are provided for all live audio content in synchronized media.</p>	<p>C.10.1.2.4 Captions (live)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a non-web document. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the document does not fail WCAG 2.1 Success Criterion 1.2.4 Captions (Live). <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 1.2.4 Captions (Live).</p>
<p>10.1.2.5 Audio description (prerecorded)</p>	<p>C.10.1.2.5 Audio description (prerecorded)</p>

EN 301 549 clause	Determination of conformance
<p>Where ICT is a non-web document, it shall satisfy the WCAG 2.1 Success Criterion 1.2.5 Audio Description (Prerecorded).</p> <p>NOTE 1: The WCAG 2.1 definition of "audio description" says that audio description is "Also called 'video description' and 'descriptive narration'".</p> <p>NOTE 2: Secondary or alternate audio tracks are commonly used for this purpose.</p> <p>WCAG 2.1 Success Criterion 1.2.5 Audio Description (Prerecorded)</p> <p>Understanding Audio Description (Prerecorded)</p> <p>How to Meet Audio Description (Prerecorded)</p> <p>(Level AA)</p> <p>Audio description is provided for all prerecorded video content in synchronized media.</p>	<p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is a non-web document. <p>Procedure</p> <ol style="list-style-type: none"> Check that the document does not fail WCAG 2.1 Success Criterion 1.2.5 Audio Description (Prerecorded). <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 1.2.5 Audio Description (Prerecorded).</p>
<p>10.1.3 Adaptable</p>	<p>---</p>
<p>10.1.3.1 Info and relationships</p> <p>Where ICT is a non-web document, it shall satisfy the WCAG 2.1 Success Criterion 1.3.1 Info and Relationships.</p> <p>NOTE: Where documents contain non-standard structure types (roles), it is best practice to map them to a standard structure type as a fall-back solution for the reader.</p> <p>WCAG 2.1 Success Criterion 1.3.1 Info and Relationships</p> <p>Understanding Info and Relationships</p> <p>How to Meet Info and Relationships</p> <p>(Level A)</p> <p>Information, structure, and relationships conveyed through presentation can be programmatically determined or are available in text.</p>	<p>C.10.1.3.1 Info and relationships</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is a non-web document. <p>Procedure</p> <ol style="list-style-type: none"> Check that the document does not fail WCAG 2.1 Success Criterion 1.3.1 Info and Relationships. <p>Result</p>

EN 301 549 clause	Determination of conformance
	Pass: Check 1 is true Fail: Check 1 is false Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 1.3.1 Info and Relationships.
<p>10.1.3.2 Meaningful sequence</p> <p>Where ICT is a non-web document, it shall satisfy the WCAG 2.1 Success Criterion 1.3.2 Meaningful Sequence.</p> <p>WCAG 2.1 Success Criterion 1.3.2 Meaningful Sequence</p> <p>Understanding Meaningful Sequence</p> <p>How to Meet Meaningful Sequence</p> <p>(Level A)</p> <p>When the sequence in which content is presented affects its meaning, a correct reading sequence can be programmatically determined.</p>	<p>C.10.1.3.2 Meaningful sequence</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is a non-web document. <p>Procedure</p> <ol style="list-style-type: none"> Check that the document does not fail WCAG 2.1 Success Criterion 1.3.2 Meaningful Sequence. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 1.3.2 Meaningful Sequence.</p>
<p>10.1.3.3 Sensory characteristics</p> <p>Where ICT is a non-web document, it shall satisfy the WCAG 2.1 Success Criterion 1.3.3 Sensory Characteristics.</p> <p>WCAG 2.1 Success Criterion 1.3.3 Sensory Characteristics.</p> <p>Understanding Sensory Characteristics</p> <p>How to Meet Sensory Characteristics</p> <p>(Level A)</p>	<p>C.10.1.3.3 Sensory characteristics</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is a non-web document. <p>Procedure</p>

EN 301 549 clause	Determination of conformance
<p>Instructions provided for understanding and operating content do not rely solely on sensory characteristics of components such as shape, color, size, visual location, orientation, or sound.</p> <p>Note: For requirements related to color, refer to WCAG 2.1 - Guideline 1.4.</p>	<p>1. Check that the document does not fail WCAG 2.1 Success Criterion 1.3.3 Sensory Characteristics.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 1.3.3 Sensory Characteristics.</p>
<p>10.1.3.4 Orientation</p> <p>Where ICT is a non-web document, it shall satisfy the WCAG 2.1 Success Criterion 1.3.4 Orientation.</p> <p>WCAG 2.1 Success Criterion 1.3.4 Orientation</p> <p>Understanding Orientation</p> <p>How to Meet Orientation</p> <p>(Level AA)</p> <p>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.</p> <p>Note: Examples where a particular display orientation may be essential are a bank check, a piano application, slides for a projector or television, or virtual reality content where binary display orientation is not applicable.</p>	<p>C.10.1.3.4 Orientation</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions:</p> <p>1. The ICT is a non-web document.</p> <p>Procedure</p> <p>1. Check that the document does not fail WCAG 2.1 Success Criterion 1.3.4 Orientation.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 1.3.4 Orientation.</p>
<p>10.1.3.5 Identify input purpose</p> <p>Where ICT is a non-web document, it shall satisfy the WCAG 2.1 Success Criterion 1.3.5 Identify Input Purpose.</p>	<p>C.10.1.3.5 Identify input purpose</p> <p>Type of assessment</p> <p>Inspection</p>

EN 301 549 clause	Determination of conformance
<p>WCAG 2.1 Success Criterion 1.3.5 Identify Input Purpose Understanding Identify Input Purpose How to Meet Identify Input Purpose (Level AA) The purpose of each input field collecting information about the user can be programmatically determined when:</p> <ul style="list-style-type: none"> • 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. 	<p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a non-web document. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the document does not fail WCAG 2.1 Success Criterion 1.3.5 Identify Input Purpose. <p>Result</p> <p>Pass: Check 1 is true Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 1.3.5 Identify Input Purpose.</p>
<p>10.1.4 Distinguishable</p>	<p>---</p>
<p>10.1.4.1 Use of colour Where ICT is a non-web document, it shall satisfy the WCAG 2.1 Success Criterion 1.4.1 Use of Color. WCAG 2.1 Success Criterion 1.4.1 Use of Color. Understanding Use of Color How to Meet 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. Note: This success criterion addresses color perception specifically. Other forms of perception are covered in Guideline 1.3 including programmatic access to color and other visual presentation coding.</p>	<p>C.10.1.4.1 Use of colour</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a non-web document. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the document does not fail WCAG 2.1 Success Criterion 1.4.1 Use of Color. <p>Result</p> <p>Pass: Check 1 is true Fail: Check 1 is false</p>

EN 301 549 clause	Determination of conformance
	Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 1.4.1 Use of Color.
<p>10.1.4.2 Audio control</p> <p>Where ICT is a non-web document, it shall satisfy the success criterion in Table 10.1.</p> <p>Table 10.1: Document success criterion: Audio control</p> <p>If any audio in a document 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.</p> <p>NOTE 1: Since any part of a document that does not meet this success criterion can interfere with a user's ability to use the whole document, all content in the document (whether or not it is used to meet other success criteria) shall meet this success criterion.</p> <p>NOTE 2: This success criterion is identical to the WCAG 2.1 Success Criterion 1.4.2 Audio Control, replacing "on a Web page" with "in a document" "any content" with "any part of a document", "whole page" with "whole document", "on the Web page" with "in the document", removing "See Conformance Requirement 5: Non-Interference" and adding note 1.</p> <p>WCAG 2.1 Success Criterion 1.4.2 Audio Control</p> <p>Understanding Audio Control</p> <p>How to Meet Audio Control</p> <p>(Level A)</p>	<p>C.10.1.4.2 Audio control</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a non-web document. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the document does not fail the Success Criterion in Table 10.1. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met</p>
<p>10.1.4.3 Contrast (minimum)</p> <p>Where ICT is a non-web document, it shall satisfy the WCAG 2.1 Success Criterion 1.4.3 Contrast (Minimum).</p> <p>WCAG 2.1 Success Criterion 1.4.3 Contrast (Minimum)</p> <p>Understanding Contrast (Minimum)</p> <p>How to Meet Contrast (Minimum)</p> <p>(Level AA)</p>	<p>C.10.1.4.3 Contrast (minimum)</p> <p>Type of assessment: Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a non-web document. <p>Procedure</p>

EN 301 549 clause	Determination of conformance
<p>The visual presentation of text and images of text has a contrast ratio of at least 4.5:1, except for the following:</p> <ul style="list-style-type: none"> • 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 contrast requirement. 	<ol style="list-style-type: none"> 1. Check that the document does not fail WCAG 2.1 Success Criterion 1.4.3 Contrast (Minimum). <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 1.4.3 Contrast (Minimum).</p>
<p>10.1.4.4 Resize text</p> <p>Where ICT is a non-web document, it shall satisfy the WCAG 2.1 Success Criterion 1.4.4 Resize Text.</p> <p>NOTE 1: Content for which there are software players, viewers or editors with a 200 percent zoom feature would automatically meet this success criterion when used with such players, unless the content will not work with zoom.</p> <p>NOTE 2: This success criterion is about the ability to allow users to enlarge the text on screen at least up to 200 % without needing to use assistive technologies. This means that the application provides some means for enlarging the text 200 % (zoom or otherwise) without loss of content or functionality or that the application works with the platform features that meet this requirement.</p> <p>NOTE 3: It is best practice to use only fonts that allow for scaling without loss of quality (e.g. pixelized presentation). This applies in particular to embedded fonts.</p> <p>WCAG 2.1 Success Criterion 1.4.4 Resize Text</p> <p>Understanding Resize text</p> <p>How to Meet Resize text</p> <p>(Level AA)</p> <p>Except for captions and images of text, text can be resized without assistive technology up to 200 percent without loss of content or functionality.</p>	<p>C.10.1.4.4 Resize text</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a non-web document. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the document does not fail WCAG 2.1 Success Criterion 1.4.4 Resize text. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 1.4.4 Resize text.</p>
<p>10.1.4.5 Images of text</p>	<p>C.10.1.4.5 Images of text</p>

EN 301 549 clause	Determination of conformance
<p>Where ICT is a non-web document, it shall satisfy the WCAG 2.1 Success Criterion 1.4.5 Images of Text.</p> <p>WCAG 2.1 Success Criterion 1.4.5 Images of Text</p> <p>Understanding Images of Text</p> <p>How to Meet Images of Text</p> <p>(Level AA)</p> <p>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:</p> <ul style="list-style-type: none"> • 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. <p>Note: Logotypes (text that is part of a logo or brand name) are considered essential.</p>	<p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a non-web document. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the document does not fail WCAG 2.1 Success Criterion 1.4.5 Images of Text. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 1.4.5 Images of Text.</p>
<p>10.1.4.10 Reflow</p> <p>Where ICT is a non-web document, it shall satisfy the success criterion in Table 10.2.</p> <p>Table 10.2: Document success criterion: Reflow</p> <p>Content can be presented without loss of information or functionality, and without requiring scrolling in two dimensions for:</p> <ul style="list-style-type: none"> • Vertical scrolling content at a width equivalent to 320 CSS pixels; • Horizontal scrolling content at a height equivalent to 256 CSS pixels. <p>Except for parts of the content which require two-dimensional layout for usage or meaning.</p> <p>NOTE 1: 320 CSS pixels is equivalent to a starting viewport width of 1280 CSS pixels wide at 400% zoom. For documents which are designed to scroll</p>	<p>C.10.1.4.10 Reflow</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a non-web document. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the document does not fail the Success Criterion in Table 10.2. <p>Result</p> <p>Pass: Check 1 is true</p>

EN 301 549 clause	Determination of conformance
<p>horizontally (e.g. with vertical text), the 256 CSS pixels is equivalent to a starting viewport height of 1024px at 400% zoom.</p> <p>NOTE 2: Examples of content which require two-dimensional layout are images, maps, diagrams, video, games, presentations, data tables, and interfaces where it is necessary to keep toolbars in view while manipulating content.</p> <p>NOTE 3: This success criterion is identical to the WCAG 2.1 Success Criterion 1.4.10 Reflow replacing the original WCAG 2.1 notes with notes 1 and 2, above.</p> <p>WCAG 2.1 Success Criterion 1.4.10 Reflow</p> <p>Understanding Reflow</p> <p>How to Meet Reflow</p> <p>(Level AA)</p>	<p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met.</p>
<p>10.1.4.11 Non-text contrast</p> <p>Where ICT is a non-web document, it shall satisfy WCAG 2.1 Success Criterion 1.4.11 Non-text Contrast.</p> <p>WCAG 2.1 Success Criterion 1.4.11 Non-text Contrast.</p> <p>Understanding Non-text Contrast</p> <p>How to Meet Non-text Contrast</p> <p>(Level AA)</p> <p>The visual presentation of the following have a contrast ratio of at least 3:1 against adjacent color(s):</p> <ul style="list-style-type: none"> • User Interface Components: Visual information required to identify user interface components and states, except for inactive components or where the appearance of the component is determined by the user agent and not modified by the author; • Graphical Objects: Parts of graphics required to understand the content, except when a particular presentation of graphics is essential to the information being conveyed. 	<p>C.10.1.4.11 Non-text contrast</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a non-web document that does not have a fixed size content layout area that is essential to the information being conveyed. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the document does not fail WCAG 2.1 Success Criterion 1.4.11 Non-text Contrast. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 1.4.11 Non-text Contrast.</p>

EN 301 549 clause	Determination of conformance
<p>10.1.4.12 Text spacing</p> <p>Where ICT is a non-web document that does not have a fixed size content layout area that is essential to the information being conveyed, it shall satisfy WCAG 2.1 Success Criterion 1.4.12 Text spacing.</p> <p>WCAG 2.1 Success Criterion 1.4.12 Text spacing</p> <p>Understanding Text Spacing</p> <p>How to Meet Text Spacing</p> <p>(Level AA)</p> <p>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:</p> <ul style="list-style-type: none"> • Line height (line spacing) to at least 1.5 times the font size; • Spacing following paragraphs to at least 2 times the font size; • Letter spacing (tracking) to at least 0.12 times the font size; • Word spacing to at least 0.16 times the font size. <p>Exception: Human languages and scripts that do not make use of one or more of these text style properties in written text can conform using only the properties that exist for that combination of language and script</p>	<p>C.10.1.4.12 Text spacing</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a non-web document. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the document does not fail WCAG 2.1 Success Criterion 1.4.12 Text spacing. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 1.4.12 Text spacing.</p>
<p>10.1.4.13 Content on hover or focus</p> <p>Where ICT is a non-web document, it shall satisfy WCAG 2.1 Success Criterion 1.4.13 Content on Hover or Focus.</p> <p>WCAG 2.1 Success Criterion 1.4.13 Content on Hover or Focus.</p> <p>Understanding Content on Hover or Focus</p> <p>How to Meet Content on Hover or Focus</p> <p>(Level AA)</p> <p>Where receiving and then removing pointer hover or keyboard focus triggers additional content to become visible and then hidden, the following are true:</p> <ul style="list-style-type: none"> • Dismissable: A mechanism is available to dismiss the additional content without moving pointer hover or keyboard focus, unless the additional 	<p>C.10.1.4.13 Content on hover or focus</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a non-web document. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the document does not fail WCAG 2.1 Success Criterion 1.4.13 Content on Hover or Focus.

EN 301 549 clause	Determination of conformance
<p>content communicates an input error or does not obscure or replace other content;</p> <ul style="list-style-type: none"> • Hoverable: If pointer hover can trigger the additional content, then the pointer can be moved over the additional content without the additional content disappearing; • Persistent: The additional content remains visible until the hover or focus trigger is removed, the user dismisses it, or its information is no longer valid. <p>Exception: The visual presentation of the additional content is controlled by the user agent and is not modified by the author.</p> <p>Note: Examples of additional content controlled by the user agent include browser tooltips created through use of the HTML title attribute.</p> <p>Note: Custom tooltips, sub-menus, and other nonmodal popups that display on hover and focus are examples of additional content covered by this criterion.</p>	<p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 1.4.13 Content on Hover or Focus.</p>
10.2 Operable	---
10.2.1 Keyboard accessible	---
<p>10.2.1.1 Keyboard</p> <p>Where ICT is a non-web document, it shall satisfy the WCAG 2.1 Success Criterion 2.1.1 Keyboard.</p> <p>WCAG 2.1 Success Criterion 2.1.1 Keyboard</p> <p>Understanding Keyboard</p> <p>How to Meet Keyboard</p> <p>(Level A)</p> <p>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.</p> <p>Note: This exception relates to the underlying function, not the input technique. For example, if using handwriting to enter text, the input technique (handwriting) requires path-dependent input but the underlying function (text input) does not.</p>	<p>C.10.2.1.1 Keyboard</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a non-web document. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the document does not fail WCAG 2.1 Success Criterion 2.1.1 Keyboard. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p>

EN 301 549 clause	Determination of conformance
<p>Note: This does not forbid and should not discourage providing mouse input or other input methods in addition to keyboard operation.</p>	<p>Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 2.1.1 Keyboard.</p>
<p>10.2.1.2 No keyboard trap</p> <p>Where ICT is a non-web document, it shall satisfy the success criterion in Table 10.3.</p> <p>Table 10.3: Document success criterion: No keyboard trap</p> <p>If keyboard focus can be moved to a component of the document 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.</p> <p>NOTE 1: Since any part of a document that does not meet this success criterion can interfere with a user's ability to use the whole document, it is necessary for all content in the document (whether or not it is used to meet other success criteria) to meet this success criterion.</p> <p>NOTE 2: Standard exit methods may vary by platform. For example, on many desktop platforms, the Escape key is a standard method for exiting.</p> <p>NOTE 3: This success criterion is identical to the WCAG 2.1 Success Criterion 2.1.2 No Keyboard Trap replacing "page" and "Web page" with "document", removing "See Conformance Requirement 5: Non-Interference" and with the addition of note 2 above and with note 1 above re-drafted to avoid the use of the word "must".</p> <p>WCAG 2.1 Success Criterion 2.1.2 No Keyboard Trap</p> <p>Understanding No Keyboard Trap</p> <p>How to Meet No Keyboard Trap</p> <p>(Level A)</p>	<p>C.10.2.1.2 No keyboard trap</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is a non-web document. <p>Procedure</p> <ol style="list-style-type: none"> Check that the document does not fail the Success Criterion in Table 10.3. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met.</p>
<p>10.2.1.4 Character key shortcuts</p> <p>Where ICT is a non-web document, it shall satisfy WCAG 2.1 Success Criterion 2.1.4 Character Key Shortcuts.</p> <p>WCAG 2.1 Success Criterion 2.1.4 Character Key Shortcuts</p>	<p>C.10.2.1.4 Character key shortcuts</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p>

EN 301 549 clause	Determination of conformance
<p>Understanding Character Key Shortcuts</p> <p>How to Meet Character Key Shortcuts</p> <p>(Level A)</p> <p>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:</p> <ul style="list-style-type: none"> • 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. 	<p>1. The ICT is a non-web document.</p> <p>Procedure:</p> <p>1. Check that the document does not fail WCAG 2.1 Success Criterion 2.1.4 Character Key Shortcuts.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 2.1.4 Character Key Shortcuts.</p>
<p>10.2.2 Enough time</p>	<p>---</p>
<p>10.2.2.1 Timing adjustable</p> <p>Where ICT is a non-web document, it shall satisfy the success criterion in Table 10.4.</p> <p>Table 10.4: Document success criterion: Timing adjustable</p> <p>For each time limit that is set by the document, at least one of the following is true:</p> <ul style="list-style-type: none"> • 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 	<p>C.10.2.2.1 Timing adjustable</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <p>1. The ICT is a non-web document.</p> <p>Procedure</p> <p>1. Check that the document does not fail the Success Criterion in Table 10.4.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met.</p>

EN 301 549 clause	Determination of conformance
<ul style="list-style-type: none"> • 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. <p>NOTE 1: 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 WCAG 2.1 Success Criterion 3.2.1, which puts limits on changes of content or context as a result of user action.</p> <p>NOTE 2: This success criterion is identical to the WCAG 2.1 Success Criterion 2.2.1 Timing Adjustable replacing "the content" with "documents" and with the words "WCAG 2.1" added before the word "Success Criterion" in note 1 above.</p> <p>WCAG 2.1 Success Criterion 2.2.1 Timing Adjustable</p> <p>Understanding Timing Adjustable</p> <p>How to Meet Timing Adjustable</p> <p>(Level A)</p>	
<p>10.2.2.2 Pause, stop, hide</p> <p>Where ICT is a non-web document, it shall satisfy the success criterion in Table 10.5.</p> <p>Table 10.5: Document success criterion: Pause, stop, hide</p> <p>For moving, blinking, scrolling, or auto-updating information, all of the following are true:</p> <ul style="list-style-type: none"> • 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. 	<p>C.10.2.2.2 Pause, stop, hide</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a non-web document. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the document does not fail the Success Criterion in Table 10.5. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p>

EN 301 549 clause	Determination of conformance
<p>NOTE 1: For requirements related to flickering or flashing content, refer to WCAG 2.1 Guideline 2.3.</p> <p>NOTE 2: Since any part of a document that does not meet this success criterion can interfere with a user's ability to use the whole document, it is necessary for all content in the document (whether it is used to meet other success criteria or not) to meet this success criterion.</p> <p>NOTE 3: Content that is updated periodically by software or that is streamed to the user agent is not required to preserve or present information that is generated or received between the initiation of the pause and resuming presentation, as this may not be technically possible, and in many situations could be misleading to do so.</p> <p>NOTE 4: An animation that occurs as part of a preload phase or similar situation can be considered essential if interaction cannot occur during that phase for all users and if not indicating progress could confuse users or cause them to think that content was frozen or broken.</p> <p>NOTE 5: This success criterion is identical to the WCAG 2.1 Success Criterion 2.2.2 Pause, Stop, Hide replacing "page" and "Web page" with "document", removing "See Conformance Requirement 5: Non-Interference" in note 2 of the success criterion, with the words "WCAG 2.1" added before the word "Guideline" in note 1 above and with note 2 above re-drafted to avoid the use of the word "must".</p> <p>WCAG 2.1 Success Criterion 2.2.2 Pause, Stop, Hide</p> <p>Understanding Pause, Stop, Hide</p> <p>How to Meet Pause, Stop, Hide</p> <p>(Level A)</p>	<p>Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 2.2.2 Pause, stop, hide.</p>
<p>10.2.3 Seizures and physical reactions</p>	<p>---</p>
<p>10.2.3.1 Three flashes or below threshold</p> <p>Where ICT is a non-web document, it shall satisfy the success criterion in Table 10.6.</p> <p>Table 10.6: Document success criterion: Three flashes or below threshold</p>	<p>C.10.2.3.1 Three flashes or below threshold</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p>

EN 301 549 clause	Determination of conformance
<p>Documents 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.</p> <p>NOTE 1: Since any part of a document that does not meet this success criterion can interfere with a user's ability to use the whole document, it is necessary for all content in the document (whether it is used to meet other success criteria or not) to meet this success criterion.</p> <p>NOTE 2: This success criterion is identical to the WCAG 2.1 Success Criterion 2.3.1 Three Flashes or Below Threshold replacing "Web pages" with "documents", "the whole page" with "the whole document", "the Web page" with "the document" and removing "See Conformance Requirement 5: Non-Interference" and with note 1 above re-drafted to avoid the use of the word "must".</p> <p>WCAG 2.1 Success Criterion 2.3.1 Three Flashes or Below Threshold Understanding Three Flashes or Below Threshold How to Meet Three Flashes or Below Threshold (Level A)</p>	<p>1. The ICT is a non-web document.</p> <p>Procedure</p> <p>1. Check that the document does not fail the Success Criterion in Table 10.6.</p> <p>Result</p> <p>Pass: Check 1 is true Fail: Check 1 is false Not applicable: Pre-condition 1 is not met.</p>
<p>10.2.4 Navigable</p>	<p>---</p>
<p>10.2.4.2 Document titled</p> <p>Where ICT is a non-web document, it shall satisfy the success criterion in Table 10.7.</p> <p>Table 10.7: Document success criterion: Document titled</p> <p>Documents have titles that describe topic or purpose.</p> <p>NOTE 1: The name of a document (e.g. document, media file) is a sufficient title if it describes the topic or purpose.</p> <p>NOTE 2: This success criterion is identical to the WCAG 2.1 Success Criterion 2.4.2 Page Titled replacing "Web pages" with "documents" and with the addition of note 1 above.</p> <p>WCAG 2.1 Success Criterion 2.4.2 Page Titled Understanding Page Titled</p>	<p>C.10.2.4.2 Document titled</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <p>1. The ICT is a non-web document.</p> <p>Procedure</p> <p>1. Check that the document does not fail the Success Criterion in Table 10.7.</p> <p>Result</p> <p>Pass: Check 1 is true</p>

EN 301 549 clause	Determination of conformance
<p>How to Meet Page Titled (Level A)</p>	<p>Fail: Check 1 is false Not applicable: Pre-condition 1 is not met.</p>
<p>10.2.4.3 Focus Order Where ICT is a non-web document, it shall satisfy the success criterion in Table 10.8. Table 10.8: Document success criterion: Focus order If a document can be navigated sequentially and the navigation sequences affect meaning or operation, focusable components receive focus in an order that preserves meaning and operability. NOTE: This success criterion is identical to the WCAG 2.1 Success Criterion 2.4.3 Focus Order replacing "Web page" with "document". WCAG 2.1 Success Criterion 2.4.3 Focus Order Understanding Focus Order How to Meet Focus Order (Level A)</p>	<p>C.10.2.4.3 Focus Order Type of assessment Inspection Pre-conditions 1. The ICT is a non-web document. Procedure 1. Check that the document does not fail the Success Criterion in Table 10.8. Result Pass: Check 1 is true Fail: Check 1 is false Not applicable: Pre-condition 1 is not met.</p>
<p>10.2.4.4 Link purpose (in context) Where ICT is a non-web document, it shall satisfy the WCAG 2.1 Success Criterion 2.4.4 Link Purpose (In Context). WCAG 2.1 Success Criterion 2.4.4 Link Purpose (In Context) Understanding Link Purpose (In Context) How to Meet 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.</p>	<p>C.10.2.4.4 Link purpose (in context) Type of assessment Inspection Pre-condition 1. The ICT is a non-web document. Procedure 1. Check that the document does not fail WCAG 2.1 Success Criterion 2.4.4 Link Purpose (In Context). Result</p>

EN 301 549 clause	Determination of conformance
	Pass: Check 1 is true Fail: Check 1 is false Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 2.4.4 Link Purpose (In Context).
<p>10.2.4.6 Headings and labels</p> <p>Where ICT is a non-web document, it shall satisfy the WCAG 2.1 Success Criterion 2.4.6 Headings and Labels.</p> <p>WCAG 2.1 Success Criterion 2.4.6 Headings and Labels</p> <p>Understanding Headings and Labels</p> <p>How to Meet Headings and Labels</p> <p>(Level AA)</p> <p>Headings and labels describe topic or purpose</p>	<p>C.10.2.4.6 Headings and labels</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is a non-web document. <p>Procedure</p> <ol style="list-style-type: none"> Check that the document does not fail WCAG 2.1 Success Criterion 2.4.6 Headings and Labels. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 2.4.6 Headings and Labels.</p>
<p>10.2.4.7 Focus visible</p> <p>Where ICT is a non-web document, it shall satisfy the WCAG 2.1 Success Criterion 2.4.7 Focus Visible</p> <p>WCAG 2.1 Success Criterion 2.4.7 Focus Visible</p> <p>Understanding Focus Visible</p> <p>How to Meet Focus Visible</p> <p>(Level AA)</p>	<p>C.10.2.4.7 Focus visible</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is a non-web document. <p>Procedure</p>

EN 301 549 clause	Determination of conformance
<p>Any keyboard operable user interface has a mode of operation where the keyboard focus indicator is visible.</p>	<p>1. Check that the document does not fail WCAG 2.1 Success Criterion 2.4.7 Focus Visible.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 2.4.7 Focus Visible.</p>
<p>10.2.5 Input modalities</p>	<p>---</p>
<p>10.2.5.1 Pointer gestures</p> <p>Where ICT is a non-web document, it shall satisfy the success criterion in Table 10.9.</p> <p>Table 10.9: Document success criterion: Pointer gestures</p> <p>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.</p> <p>NOTE 1: This requirement applies to documents that interpret pointer actions (i.e. this does not apply to actions that are required to operate the user agent or assistive technology).</p> <p>NOTE 2: This success criterion is identical to the WCAG 2.1 Success Criterion 2.5.1 Pointer Gestures replacing the original WCAG 2.1 note with note 1 above.</p> <p>WCAG 2.1 Success Criterion 2.5.1 Pointer Gestures</p> <p>Understanding Pointer Gestures</p> <p>How to Meet Pointer Gestures</p> <p>(Level A)</p>	<p>C.10.2.5.1 Pointer gestures</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <p>1. The ICT is a non-web document.</p> <p>Procedure</p> <p>1. Check that the document does not fail the Success Criterion in Table 10.9</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met.</p>
<p>10.2.5.2 Pointer cancellation</p> <p>Where ICT is a non-web document, it shall satisfy the success criterion in Table 10.10.</p>	<p>C.10.2.5.2 Pointer cancellation</p> <p>Type of assessment</p> <p>Inspection</p>

EN 301 549 clause	Determination of conformance
<p>Table 10.10: Document success criterion: Pointer cancellation</p> <p>For functionality that can be operated using a single pointer, at least one of the following is true:</p> <ul style="list-style-type: none"> 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 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. <p>NOTE 1: Functions that emulate a keyboard or numeric keypad key press are considered essential.</p> <p>NOTE 2: This requirement applies to a document that interprets pointer actions (i.e. this does not apply to actions that are required to operate the user agent or assistive technology).</p> <p>NOTE 3: This success criterion is identical to the WCAG 2.1 Success Criterion 2.5.2 Pointer Cancellation replacing the original WCAG 2.1 note with notes 1 and 2 above.</p> <p>WCAG 2.1 Success Criterion 2.5.2 Pointer Cancellation</p> <p>Understanding Pointer Cancellation</p> <p>How to Meet Pointer Cancellation</p> <p>(Level A)</p>	<p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is a non-web document. <p>Procedure</p> <ol style="list-style-type: none"> Check that the document does not fail the success criterion in Table 10.10 <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met.</p>
<p>10.2.5.3 Label in name</p> <p>Where ICT is a non-web document, it shall satisfy WCAG 2.1 Success Criterion 2.5.3 Label in Name.</p> <p>WCAG 2.1 Success Criterion 2.5.3 Label in Name</p> <p>Understanding Label in Name</p> <p>How to Meet Label in Name</p>	<p>C.10.2.5.3 Label in name</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is a non-web document.

EN 301 549 clause	Determination of conformance
<p>(Level A)</p> <p>For user interface components with labels that include text or images of text, the name contains the text that is presented visually.</p> <p>Note: A best practice is to have the text of the label at the start of the name.</p>	<p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the document does not fail WCAG 2.1 Success Criterion 2.5.3 Label in Name. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 2.5.3 Label in Name.</p>
<p>10.2.5.4 Motion actuation</p> <p>Where ICT is a non-web document, it shall satisfy WCAG 2.1 Success Criterion 2.5.4 Motion Actuation.</p> <p>WCAG 2.1 Success Criterion 2.5.4 Motion Actuation</p> <p>Understanding Motion Actuation</p> <p>How to Meet Motion Actuation</p> <p>(Level A)</p> <p>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:</p> <ul style="list-style-type: none"> • 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. 	<p>C.10.2.5.4 Motion actuation</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a non-web document. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the document does not fail WCAG 2.1 Success Criterion 2.5.4 Motion Actuation. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 2.5.4 Motion Actuation.</p>
<p>10.3 Understandable</p>	<p>---</p>
<p>10.3.1 Readable</p>	<p>---</p>

EN 301 549 clause	Determination of conformance
<p>10.3.1.1 Language of page</p> <p>Where ICT is a non-web document, it shall satisfy the success criterion in Table 10.11.</p> <p>Table 10.11: Document success criterion: Language of page</p> <p>The default human language of each document can be programmatically determined.</p> <p>NOTE: This success criterion is identical to the WCAG 2.1 Success Criterion 3.1.1 Language of Page replacing "web page" with "document".</p> <p>WCAG 2.1 Success Criterion 3.1.1 Language of Page</p> <p>Understanding Language of Page</p> <p>How to Meet Language of Page</p> <p>(Level A)</p>	<p>C.10.3.1.1 Language of page</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a non-web document. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the document does not fail the Success Criterion in Table 10.11. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met.</p>
<p>10.3.1.2 Language of parts</p> <p>Where ICT is a non-web document, it shall satisfy the success criterion in Table 10.12.</p> <p>Table 10.12: Document success criterion: Language of parts</p> <p>The human language of each passage or phrase in the document 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.</p> <p>NOTE 1: There are some document technologies where there is no assistive technology supported method for marking the language for the different passages or phrases in the document, and it would not be possible to meet this success criterion with those technologies.</p> <p>NOTE 2: Inheritance is one common method. For example a document provides the language that it is using and it can be assumed that all of the text or user interface elements within that document will be using the same language unless it is indicated.</p>	<p>C.10.3.1.2 Language of parts</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a non-web document. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the document does not fail the Success Criterion in Table 10.12. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p>

EN 301 549 clause	Determination of conformance
<p>NOTE 3: This success criterion is identical to the WCAG 2.1 Success Criterion 3.1.2 Language of Parts replacing "content" with "document" and with the addition of notes 1 and 2 above.</p> <p>WCAG 2.1 Success Criterion 3.1.2 Language of Parts</p> <p>Understanding Language of Parts</p> <p>How to Meet Language of Parts</p> <p>(Level AA)</p>	<p>Not applicable: Pre-condition 1 is not met.</p>
<p>10.3.2 Predictable</p>	<p>---</p>
<p>10.3.2.1 On focus</p> <p>Where ICT is a non-web document, it shall satisfy the WCAG 2.1 Success Criterion 3.2.1 On Focus.</p> <p>NOTE: Some compound documents and their user agents are designed to provide significantly different viewing and editing functionality depending upon what portion of the compound document is being interacted with (e.g. a presentation that contains an embedded spreadsheet, where the menus and toolbars of the user agent change depending upon whether the user is interacting with the presentation content, or the embedded spreadsheet content). If the user uses a mechanism other than putting focus on that portion of the compound document with which they mean to interact (e.g. by a menu choice or special keyboard gesture), any resulting change of context would not be subject to this success criterion because it was not caused by a change of focus.</p> <p>WCAG 2.1 Success Criterion 3.2.1 On Focus</p> <p>Understanding On Focus</p> <p>How to Meet On Focus</p> <p>(Level A)</p> <p>When any user interface component receives focus, it does not initiate a change of context.</p>	<p>C.10.3.2.1 On focus</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a non-web document. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the document does not fail WCAG 2.1 Success Criterion 3.2.1 On Focus. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 3.2.1 On Focus.</p>
<p>10.3.2.2 On input</p> <p>Where ICT is a non-web document, it shall satisfy the WCAG 2.1 Success Criterion 3.2.2 On Input.</p>	<p>C.10.3.2.2 On input</p> <p>Type of assessment</p> <p>Inspection</p>

EN 301 549 clause	Determination of conformance
<p>WCAG 2.1 Success Criterion 3.2.2 On Input</p> <p>Understanding On Input</p> <p>How to Meet On Input</p> <p>(Level A)</p> <p>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.</p>	<p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a non-web document. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the document does not fail WCAG 2.1 Success Criterion 3.2.2 On Input. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 3.2.2 On Input.</p>
<p>10.3.3 Input assistance</p>	<p>---</p>
<p>10.3.3.1 Error identification</p> <p>Where ICT is a non-web document, it shall satisfy the WCAG 2.1 Success Criterion 3.3.1 Error Identification.</p> <p>WCAG 2.1 Success Criterion 3.3.1 Error Identification</p> <p>Understanding Error Identification</p> <p>How to Meet Error Identification</p> <p>(Level A)</p> <p>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.</p>	<p>C.10.3.3.1 Error identification</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a non-web document. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the document does not fail WCAG 2.1 Success Criterion 3.3.1 Error Identification. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p>

EN 301 549 clause	Determination of conformance
	Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 3.3.1 Error Identification.
<p>10.3.3.2 Labels or instructions</p> <p>Where ICT is a non-web document, it shall satisfy the WCAG 2.1 Success Criterion 3.3.2 Labels or Instructions.</p> <p>WCAG 2.1 Success Criterion 3.3.2 Labels or Instructions</p> <p>Understanding Labels or Instructions</p> <p>How to Meet Labels or Instructions</p> <p>(Level A)</p> <p>Labels or instructions are provided when content requires user input.</p>	<p>C.10.3.3.2 Labels or instructions</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is a non-web document. <p>Procedure</p> <ol style="list-style-type: none"> Check that the document does not fail WCAG 2.1 Success Criterion 3.3.2 Labels or Instructions. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 3.3.2 Labels or Instructions.</p>
<p>10.3.3.3 Error suggestion</p> <p>Where ICT is a non-web document, it shall satisfy the WCAG 2.1 Success Criterion 3.3.3 Error Suggestion.</p> <p>WCAG 2.1 Success Criterion 3.3.3 Error Suggestion</p> <p>Understanding Error Suggestion</p> <p>How to Meet Error Suggestion</p> <p>(Level AA)</p>	<p>C.10.3.3.3 Error suggestion</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is a non-web document. <p>Procedure</p>

EN 301 549 clause	Determination of conformance
<p>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.</p>	<ol style="list-style-type: none"> 1. Check that the document does not fail WCAG 2.1 Success Criterion 3.3.3 Error Suggestion. <p>Result:</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 3.3.3 Error Suggestion</p>
<p>10.3.3.4 Error prevention (legal, financial, data)</p> <p>Where ICT is a non-web document, it shall satisfy the success criterion in Table 10.13.</p> <p>Table 10.13: Document success criterion: Error prevention (legal, financial, data)</p> <p>For documents 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:</p> <ul style="list-style-type: none"> • 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. <p>NOTE: This success criterion is identical to the WCAG 2.1 Success Criterion 3.3.4 Error Prevention (Legal, Financial, Data) replacing "web pages" with "documents".</p> <p>WCAG 2.1 Success Criterion 3.3.4 Error Prevention (Legal, Financial, Data)</p> <p>Understanding Error Prevention (Legal, Financial, Data)</p> <p>How to Meet Error Prevention (Legal, Financial, Data)</p> <p>(Level AA)</p>	<p>C.10.3.3.4 Error prevention (legal, financial, data)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is a non-web document. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the document does not fail the Success Criterion in Table 10.13. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met.</p>

EN 301 549 clause	Determination of conformance
10.4 Robust	---
10.4.1 Compatible	---
<p>10.4.1.1 Parsing</p> <p>Where ICT is a non-web document, it shall satisfy the success criterion in Table 10.14.</p> <p>Table 10.14: Document success criterion: Parsing</p> <p>For documents that use markup languages, in such a way that the markup is separately exposed and available to assistive technologies and accessibility features of software or to a user-selectable user agent, 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.</p> <p>NOTE 1: 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.</p> <p>NOTE 2: Markup is not always available to assistive technology or to user selectable user agents such as browsers. In such cases, conformance to this provision would have no impact on accessibility as it can for web content where it is exposed.</p> <p>NOTE 3: Examples of markup that is separately exposed and available to assistive technologies and to user agents include but are not limited to: documents encoded in HTML, ODF, and OOXML. In these examples, the markup can be parsed entirely in two ways: (a) by assistive technologies which may directly open the document, (b) by assistive technologies using DOM APIs of user agents for these document formats.</p> <p>NOTE 4: This success criterion is identical to the WCAG 2.1 Success Criterion 4.1.1 Parsing replacing "In content implemented using markup languages" with "For documents that use markup languages, in such a way that the markup is separately exposed and available to assistive technologies and accessibility features of software or to a user-selectable user agent" with the addition of notes 2 and 3 above.</p> <p>WCAG 2.1 Success Criterion 4.1.1 Parsing</p> <p>Understanding Parsing</p>	<p>C.10.4.1.1 Parsing</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <p>1. The ICT is a non-web document.</p> <p>Procedure</p> <p>1. Check that the document does not fail the Success Criterion in Table 10.14.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met.</p>

EN 301 549 clause	Determination of conformance
How to Meet Parsing (Level A)	
<p>10.4.1.2 Name, role, value</p> <p>Where ICT is a non-web document, it shall satisfy the success criterion in Table 10.15.</p> <p>Table 10.15: Document success criterion: Name, role, value</p> <p>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.</p> <p>NOTE 1: This success criterion is primarily for software developers who develop or use custom user interface components. Standard user interface components on most accessibility-supported platforms already meet this success criterion when used according to specification.</p> <p>NOTE 2: For document formats that support interoperability with assistive technology, standard user interface components often meet this success criterion when used according to the general design and accessibility guidance for the document format.</p> <p>NOTE 3: This success criterion is identical to the WCAG 2.1 Success Criterion 4.1.2 Name, Role, Value replacing the original WCAG 2.1 note with note 1 and with the addition of note 2 above.</p> <p>WCAG 2.1 Success Criterion 4.1.2 Name, Role, Value</p> <p>Understanding Name, Role, Value</p> <p>How to Meet Name, Role, Value</p> <p>(Level A)</p>	<p>C.10.4.1.2 Name, role, value</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <p>1. The ICT is a non-web document.</p> <p>Procedure</p> <p>1. Check that the document does not fail the Success Criterion in Table 10.15.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met.</p>
<p>10.4.1.3 Status messages</p> <p>Where ICT is a non-web document, it shall satisfy WCAG 2.1 Success Criterion 4.1.3 Status Messages.</p>	<p>C.10.4.1.3 Status messages</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p>

EN 301 549 clause	Determination of conformance
	<p>1. The ICT is a non-web document.</p> <p>Procedure</p> <p>1. Check that the software does not fail WCAG 2.1 Success Criterion 4.1.3 Status Messages.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the non-web document does not contain content relevant to WCAG 2.1 Success Criterion 4.1.3 Status Messages.</p>
<p>10.5 Caption positioning</p> <p>Where ICT is a non-web document that contains synchronized media with captions, the captions should not obscure relevant information in the synchronized media.</p>	<p>C.10.5 Caption positioning</p> <p>Clause 10.5 is advisory only and contains no testable requirements.</p>
<p>10.6 Audio description timing</p> <p>Where ICT is a non-web document that contains synchronized media with audio description, the audio description should not interfere with relevant audio information in the synchronized media.</p>	<p>C.10.6 Audio description timing</p> <p>Clause 10.6 is advisory only and contains no testable requirements.</p>
<p>11 Software</p>	<p>---</p>
<p>11.0 General (informative)</p> <p>This clause provides requirements for:</p> <ul style="list-style-type: none"> • platform software; • software that provides a user interface including content that is in the software; • authoring tools; • software that operates as assistive technology; • mobile applications. 	<p>C.11.0 General (informative)</p> <p>Clause 11.0 is advisory only and contains no requirements requiring test.</p>

EN 301 549 clause	Determination of conformance
<p>NOTE 1: User agents are examples of software that provide a user interface.</p> <p>NOTE 2: The requirements for Web content, including software that is Web content, can be found in clause 9.</p> <p>NOTE 3: The requirements for documents, that may be presented by user agents, can be found in clause 10.</p> <p>NOTE 4: Although the accessibility of command line interfaces is not dealt with in the present document, accessibility may be achieved by context specific requirements, some of which may be found in clauses 5 or 11.</p> <p>Requirements in clauses 11.1 to 11.5 apply to software:</p> <ul style="list-style-type: none"> • that is not a web page; • not embedded in web pages nor used in the rendering or functioning of the page. <p>Clause 9 provides requirements for software that is in web pages or that is embedded in web pages and that is used in the rendering or that is intended to be rendered together with the web page in which it is embedded.</p> <p>Some requirements in clauses 11.1 to 11.5 have different versions for open or closed functionality. In those cases, the corresponding clause will be divided into two subclauses.</p> <p>The success criteria set out in clauses 11.1 to 11.5 are intended to harmonize with the W3C Working Group Note [i.26] produced by the W3C's WCAG2ICT Task Force.</p> <p>NOTE 5: Software that provides a user interface includes its own content. Some examples of content in software include: the controls and text displayed in a menu bar of a graphical user interface application, images that appear in a toolbar, prompts spoken in an auditory user interface, other user interaction controls, and other text, graphics or material that is not loaded from outside the software.</p>	
11.1 Perceivable	---
11.1.1 Text alternatives	---
11.1.1.1 Non-text content	---

EN 301 549 clause	Determination of conformance
<p>11.1.1.1.1 Non-text content (open functionality)</p> <p>Where ICT is non-web software that provides a user interface and that supports access to assistive technologies for screen reading, it shall satisfy WCAG 2.1 Success Criterion 1.1.1 Non-text Content.</p> <p>NOTE: CAPTCHAs do not currently appear outside of the Web. However, if they do appear, this guidance is accurate.</p> <p>WCAG 2.1 Success Criterion 1.1.1 Non-text Content</p> <p>Understanding Non-text Content</p> <p>How to Meet Non-text Content</p> <p>(Level A)</p> <p>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.</p> <ul style="list-style-type: none"> • Controls, Input: If non-text content is a control or accepts user input, then it has a name that describes its purpose. (Refer to Success Criterion 4.1.2 for additional requirements for controls and content that accepts user input.) • Time-Based Media: If non-text content is time-based media, then text alternatives at least provide descriptive identification of the non-text content. (Refer to Guideline 1.2 for additional requirements for media.) • Test: If non-text content is a test or exercise that would be invalid if presented in text, then text alternatives at least provide descriptive identification of the non-text content. • Sensory: If non-text content is primarily intended to create a specific sensory experience, then text alternatives at least provide descriptive identification of the non-text content. • CAPTCHA: If the purpose of non-text content is to confirm that content is being accessed by a person rather than a computer, then text alternatives that identify and describe the purpose of the non-text content are provided, and alternative forms of CAPTCHA using output modes for different types of sensory perception are provided to accommodate different disabilities. 	<p>C.11.1.1.1 Non-text content (open functionality)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface. 2. The software provides support to assistive technologies for screen reading. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the software does not fail WCAG 2.1 Success Criterion 1.1.1 Non-text Content. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 or 2 is not met.</p>

EN 301 549 clause	Determination of conformance
<ul style="list-style-type: none"> • Decoration, Formatting, Invisible: If non-text content is pure decoration, is used only for visual formatting, or is not presented to users, then it is implemented in a way that it can be ignored by assistive technology. 	
<p>11.1.1.1.2 Non-text content (closed functionality)</p> <p>Where ICT is non-web software that provides a user interface which is closed to assistive technologies for screen reading, it shall meet requirement 5.1.3.6 (Speech output for non-text content).</p>	<p>C.11.1.1.1.2 Non-text content (closed functionality)</p> <p>Type of assessment</p> <p>Testing</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface. 2. The user interface is closed to assistive technologies for screen reading. 3. Non-text content is presented to users via speech output. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that speech output is provided as an alternative for non-text content. 2. Check that the non-text content is not pure decoration. 3. Check that the non-text content is not used only for visual formatting. 4. Check that the speech output follows the guidance for "text alternative" described in WCAG 2.1 Success Criterion 1.1.1 Non-text Content. <p>Result</p> <p>Pass: Check (1 and 2 and 3 and 4 are true) or (1 and 2 are false) or (1 and 3 are false)</p> <p>Fail: Checks (1 true and 2 false) or (1 true and 3 false) or (1 and 2 and 3 are true and 4 is false)</p> <p>Not applicable: Pre-condition 1, 2 or 3 is not met.</p>
<p>11.1.2 Time-based media</p>	<p>---</p>
<p>11.1.2.1 Audio-only and video-only (prerecorded)</p>	<p>---</p>

EN 301 549 clause	Determination of conformance
<p>11.1.2.1.1 Audio-only and video-only (prerecorded - open functionality)</p> <p>Where ICT is non-web software that provides a user interface and that supports access to assistive technologies for screen reading and where pre-recorded auditory information is not needed to enable the use of closed functions of ICT, it shall satisfy the WCAG 2.1 Success Criterion 1.2.1 Audio-only and Video-only (Prerecorded).</p> <p>NOTE: The alternative can be provided directly in the software - or provided in an alternate version that meets the success criterion.</p> <p>Success Criterion 1.2.1 Audio-only and Video-only (Prerecorded)</p> <p>Understanding Audio-only and Video-only (Prerecorded)</p> <p>How to Meet Audio-only and Video-only (Prerecorded)</p> <p>(Level A)</p> <p>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:</p> <ul style="list-style-type: none"> • Prerecorded Audio-only: An alternative for time-based media is provided that presents equivalent information for prerecorded audio-only content. • Prerecorded Video-only: Either an alternative for time-based media or an audio track is provided that presents equivalent information for prerecorded video-only content 	<p>C.11.1.2.1.1 Audio-only and video-only (prerecorded - open functionality)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface. 2. The software provides support to assistive technologies for screen reading. 3. Pre-recorded auditory information is not needed to enable the use of closed functions of ICT. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the software does not fail WCAG 2.1 Success Criterion 1.2.1 Audio-only and Video-only (Prerecorded). <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1, 2 or 3 is not met.</p>
<p>11.1.2.1.2 Audio-only and video-only (prerecorded - closed functionality)</p>	<p>---</p>
<p>11.1.2.1.2.1 Prerecorded audio-only (closed functionality)</p> <p>Where ICT is non-web software that provides a user interface which is closed to assistive technologies for screen reading and where pre-recorded auditory information is needed to enable the use of closed functions of ICT, the functionality of software that provides a user interface shall meet requirement 5.1.5 (Visual output for auditory information).</p>	<p>C.11.1.2.1.2.1 Prerecorded audio-only (closed functionality)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. ICT is non-web software that provides a user interface. 2. The user interface is closed to assistive technologies for screen reading.

EN 301 549 clause	Determination of conformance
	<p>3. Pre-recorded auditory information is needed to enable the use of closed functions of ICT.</p> <p>Procedure</p> <p>1. Check that the visual information is equivalent to the pre-recorded auditory output.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1, 2 or 3 is not met.</p>
<p>11.1.2.1.2.2 Pre-recorded video-only (closed functionality)</p> <p>Where ICT is non-web software that provides a user interface which is closed to assistive technologies for screen reading, it shall meet requirement 5.1.3.7 (Speech output for video information).</p>	<p>C.11.1.2.1.2.2 Pre-recorded video-only (closed functionality)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <p>1. ICT is non-web software that provides a user interface.</p> <p>2. The user interface is closed to assistive technologies for screen reading.</p> <p>3. Pre-recorded video content is needed to enable the use of closed functions of ICT.</p> <p>4. Speech output is provided as non-visual access to non-text content displayed on closed functionality.</p> <p>Procedure</p> <p>1. Check that the speech output presents equivalent information for the pre-recorded video content.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p>

EN 301 549 clause	Determination of conformance
	Not applicable: Pre-condition 1, 2, 3 or 4 is not met.
<p>11.1.2.2 Captions (prerecorded)</p> <p>Where ICT is non-web software that provides a user interface, it shall satisfy the WCAG 2.1 Success Criterion 1.2.2 Captions (Prerecorded).</p> <p>NOTE: The WCAG 2.1 definition of "captions" notes that "in some countries, captions are called subtitles". They are also sometimes referred to as "subtitles for the hearing impaired". Per the definition in WCAG 2.1, to meet this success criterion, whether called captions or subtitles, they would have to provide "synchronized visual and / or text alternative for both speech and non-speech audio information needed to understand the media content" where non-speech information includes "sound effects, music, laughter, speaker identification and location".</p> <p>WCAG 2.1 Success Criterion 1.2.2 Captions (Prerecorded)</p> <p>Understanding Captions (Prerecorded)</p> <p>How to Meet Captions (Prerecorded)</p> <p>(Level A)</p> <p>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.</p>	<p>C.11.1.2.2 Captions (prerecorded)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the software does not fail WCAG 2.1 Success Criterion 1.2.2 Captions (Prerecorded). <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met or the non-web software does not contain content relevant to WCAG 2.1 Success Criterion 1.2.2 Captions (Prerecorded).</p>
<p>11.1.2.3 Audio description or media alternative (prerecorded)</p>	---
<p>11.1.2.3.1 Audio description or media alternative (prerecorded - open functionality)</p> <p>Where ICT is non-web software that provides a user interface and that supports access to assistive technologies for screen reading, it shall satisfy the WCAG 2.1 Success Criterion 1.2.3 Audio Description or Media Alternative (Prerecorded).</p> <p>NOTE 1: The WCAG 2.1 definition of "audio description" says that "audio description" is "also called 'video description' and 'descriptive narration'".</p> <p>NOTE 2: Secondary or alternate audio tracks are commonly used for this purpose.</p> <p>WCAG 2.1 Success Criterion 1.2.3 Audio Description or Media Alternative (Prerecorded)</p>	<p>C.11.1.2.3.1 Audio description or media alternative (prerecorded - open functionality)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface. 2. The software provides support to assistive technologies for screen reading. <p>Procedure</p>

EN 301 549 clause	Determination of conformance
<p>Understanding Audio Description or Media Alternative (Prerecorded) How to Meet Audio Description or Media Alternative (Prerecorded) (Level A)</p> <p>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.</p>	<ol style="list-style-type: none"> 1. Check that the software does not fail WCAG 2.1 Success Criterion 1.2.3 Audio Description or Media Alternative (Prerecorded). <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 or 2 is not met, or the non-web software does not contain content relevant to WCAG 2.1 Success Criterion 1.2.3 Audio Description or Media Alternative (Prerecorded).</p>
<p>11.1.2.3.2 Audio description or media alternative (prerecorded - closed functionality)</p> <p>Where ICT is non-web software that provides a user interface which is closed to assistive technologies for screen reading, it shall meet requirement 5.1.3.7 (Speech output for video information).</p>	<p>C.11.1.2.3.2 Audio description or media alternative (prerecorded - closed functionality)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. ICT is non-web software that provides a user interface. 2. The user interface is closed to assistive technologies for screen reading. 3. Speech output is provided as non-visual access to non-text content displayed on closed functionality. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the speech output presents equivalent information for the pre-recorded video content. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1, 2, or 3 is not met.</p>

EN 301 549 clause	Determination of conformance
<p>11.1.2.4 Captions (live)</p> <p>Where ICT is non-web software that provides a user interface, it shall satisfy the WCAG 2.1 Success Criterion 1.2.4 Captions (Live).</p> <p>NOTE: The WCAG 2.1 definition of "captions" notes that "in some countries, captions are called subtitles". They are also sometimes referred to as "subtitles for the hearing impaired". Per the definition in WCAG 2.1, to meet this success criterion, whether called captions or subtitles, they would have to provide "synchronized visual and / or text alternative for both speech and non-speech audio information needed to understand the media content" where non-speech information includes "sound effects, music, laughter, speaker identification and location".</p> <p>WCAG 2.1 Success Criterion 1.2.4 Captions (Live)</p> <p>Understanding Captions (Live)</p> <p>How to Meet Captions (Live)</p> <p>(Level AA)</p> <p>Captions are provided for all live audio content in synchronized media.</p>	<p>C.11.1.2.4 Captions (live)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the software does not fail WCAG 2.1 Success Criterion 1.2.4 Captions (Live). <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met, or the non-web software does not contain content relevant to WCAG 2.1 Success Criterion 1.2.4 Captions (Live).</p>
<p>11.1.2.5 Audio description (prerecorded)</p> <p>Where ICT is non-web software that provides a user interface, it shall satisfy the WCAG 2.1 Success Criterion 1.2.5 Audio Description (Prerecorded).</p> <p>NOTE 1: The WCAG 2.1 definition of "audio description" says that audio description is "Also called 'video description' and 'descriptive narration'".</p> <p>NOTE 2: Secondary or alternate audio tracks are commonly used for this purpose.</p> <p>WCAG 2.1 Success Criterion 1.2.5 Audio Description (Prerecorded).</p> <p>Understanding Audio Description (Prerecorded)</p> <p>How to Meet Audio Description (Prerecorded)</p> <p>(Level AA)</p>	<p>C.11.1.2.5 Audio description (prerecorded)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the software does not fail WCAG 2.1 Success Criterion 1.2.5 Audio Description (Prerecorded). <p>Result</p>

EN 301 549 clause	Determination of conformance
<p>Audio description is provided for all prerecorded video content in synchronized media.</p>	<p>Pass: Check 1 is true Fail: Check 1 is false Not applicable: Pre-condition 1 is not met, or the non-web software does not contain content relevant to WCAG 2.1 Success Criterion 1.2.5 Audio Description (Prerecorded).</p>
<p>11.1.3 Adaptable</p>	<p>---</p>
<p>11.1.3.1 Info and relationships</p>	<p>---</p>
<p>11.1.3.1.1 Info and relationships (open functionality)</p> <p>Where ICT is non-web software that provides a user interface and that supports access to assistive technologies for screen reading, it shall satisfy the WCAG 2.1 Success Criterion 1.3.1 Info and Relationships.</p> <p>NOTE: In software, programmatic determinability is best achieved through the use of accessibility services provided by platform software to enable interoperability between software and assistive technologies and accessibility features of software. (see clause 11.5 Interoperability with assistive technology).</p> <p>WCAG 2.1 Success Criterion 1.3.1 Info and Relationships</p> <p>Understanding Info and Relationships</p> <p>How to Meet Info and Relationships</p> <p>(Level A)</p> <p>Information, structure, and relationships conveyed through presentation can be programmatically determined or are available in text.</p>	<p>C.11.1.3.1.1 Info and relationships (open functionality)</p> <p>Type of assessment Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface. 2. The software provides support to assistive technologies for screen reading. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the software does not fail WCAG 2.1 Success Criterion 1.3.1 Info and Relationships. <p>Result</p> <p>Pass: Check 1 is true Fail: Check 1 is false Not applicable: Pre-condition 1 or 2 is not met.</p>
<p>11.1.3.1.2 Info and relationships (closed functionality)</p> <p>Where ICT is non-web software that provides a user interface which is closed to assistive technologies for screen reading and where information is displayed on the screen, the ICT should provide auditory information that allows the user to correlate the audio with the information displayed on the screen.</p>	<p>C.11.1.3.1.2 Info and relationships (closed functionality)</p> <p>Clause 11.1.3.1.2 is advisory only and contains no testable requirements.</p>

EN 301 549 clause	Determination of conformance
<p>NOTE 1: Many people who are legally blind still have visual ability, and use aspects of the visual display even if it cannot be fully comprehended. An audio alternative that is both complete and complementary includes all visual information such as focus or highlighting, so that the audio can be correlated with information that is visible on the screen at any point in time.</p> <p>NOTE 2: Examples of auditory information that allows the user to correlate the audio with the information displayed on the screen include structure and relationships conveyed through presentation.</p>	
<p>11.1.3.2 Meaningful sequence</p>	<p>---</p>
<p>11.1.3.2.1 Meaningful sequence (open functionality)</p> <p>Where ICT is non-web software that provides a user interface and that supports access to assistive technologies for screen reading, it shall satisfy the WCAG 2.1 Success Criterion 1.3.2 Meaningful Sequence.</p> <p>WCAG 2.1 Success Criterion 1.3.2 Meaningful Sequence</p> <p>Understanding Meaningful Sequence</p> <p>How to Meet Meaningful Sequence</p> <p>(Level A)</p> <p>When the sequence in which content is presented affects its meaning, a correct reading sequence can be programmatically determined.</p>	<p>C.11.1.3.2.1 Meaningful sequence (open functionality)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface. 2. The software provides support to assistive technologies for screen reading. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the software does not fail WCAG 2.1 Success Criterion 1.3.2 Meaningful Sequence. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 or 2 is not met.</p>
<p>11.1.3.2.2 Meaningful sequence (closed functionality)</p> <p>Where ICT is non-web software that provides a user interface which is closed to assistive technologies for screen reading and where information is displayed on the screen, the ICT should provide auditory information that allows the user to correlate the audio with the information displayed on the screen.</p>	<p>C.11.1.3.2.2 Meaningful sequence (closed functionality)</p> <p>Clause 11.1.3.2.2 is advisory only and contains no testable requirements.</p>

EN 301 549 clause	Determination of conformance
<p>NOTE 1: Many people who are legally blind still have visual ability, and use aspects of the visual display even if it cannot be fully comprehended. An audio alternative that is both complete and complementary includes all visual information such as focus or highlighting, so that the audio can be correlated with information that is visible on the screen at any point in time.</p> <p>NOTE 2: Examples of auditory information that allows the user to correlate the audio with the information displayed on the screen include structure and relationships conveyed through presentation.</p>	
<p>11.1.3.3 Sensory characteristics</p> <p>Where ICT is non-web software that provides a user interface, it shall satisfy the WCAG 2.1 Success Criterion 1.3.3 Sensory Characteristics.</p> <p>Success Criterion 1.3.3 Sensory Characteristics</p> <p>Understanding Sensory Characteristics</p> <p>How to Meet Sensory Characteristics</p> <p>(Level A)</p> <p>Instructions provided for understanding and operating content do not rely solely on sensory characteristics of components such as shape, color, size, visual location, orientation, or sound.</p>	<p>C.11.1.3.3 Sensory characteristics</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is non-web software that provides a user interface. <p>Procedure</p> <ol style="list-style-type: none"> Check that the software does not fail WCAG 2.1 Success Criterion 1.3.3 Sensory Characteristics. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met, or the non-web software does not contain content relevant to WCAG 2.1 Success Criterion 1.3.3 Sensory Characteristics.</p>
<p>11.1.3.4 Orientation</p> <p>Where ICT is non-web software that provides a user interface, it shall satisfy the WCAG 2.1 Success Criterion 1.3.4 Orientation.</p> <p>WCAG 2.1 Success Criterion 1.3.4 Orientation</p> <p>Understanding Orientation</p>	<p>C.11.1.3.4 Orientation</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p>

EN 301 549 clause	Determination of conformance
<p>How to Meet Orientation</p> <p>(Level AA)</p> <p>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.</p> <p>Note: Examples where a particular display orientation may be essential are a bank check, a piano application, slides for a projector or television, or virtual reality content where binary display orientation is not applicable.</p>	<p>1. The ICT is non-web software that provides a user interface.</p> <p>Procedure</p> <p>1. Check that the software does not fail WCAG 2.1 Success Criterion 1.3.4 Orientation.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met, or the non-web software does not contain content relevant to WCAG 2.1 Success Criterion 1.3.4 Orientation.</p>
<p>11.1.3.5 Identify input purpose</p>	<p>---</p>
<p>11.1.3.5.1 Identify input purpose (open functionality)</p> <p>Where ICT is non-web software that provides a user interface, it shall satisfy the WCAG 2.1 Success Criterion 1.3.5 Identify Input Purpose.</p> <p>WCAG 2.1 Success Criterion 1.3.5 Identify Input Purpose</p> <p>Understanding Identify Input Purpose</p> <p>How to Meet Identify Input Purpose</p> <p>(Level AA)</p> <p>The purpose of each input field collecting information about the user can be programmatically determined when:</p> <ul style="list-style-type: none"> 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. 	<p>C.11.1.3.5.1 Identify input purpose (open functionality)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <p>1. The ICT is non-web software that provides a user interface.</p> <p>2. The software provides support to at least one assistive technology.</p> <p>Procedure</p> <p>1. Check that the software does not fail WCAG 2.1 Success Criterion 1.3.5 Identify Input Purpose.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p>

EN 301 549 clause	Determination of conformance
<p>11.1.3.5.2 Identify input purpose (closed functionality)</p> <p>Where ICT is non-web software that provides a user interface and is closed to assistive technologies, in at least one mode of operation the ICT shall present to the user, in an audio form, the purpose of each input field collecting information about the user when the input field serves a purpose identified in the WCAG 2.1 Input Purposes for User Interface Components section.</p> <p>WCAG 2.1 Success Criterion 1.3.5 Identify Input Purpose Understanding Identify Input Purpose How to Meet Identify Input Purpose (Level AA)</p> <p>The purpose of each input field collecting information about the user can be programmatically determined when:</p> <ul style="list-style-type: none"> • 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. 	<p>C.11.1.3.5.2 Identify input purpose (closed functionality)</p> <p>Type of assessment Inspection Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface. 2. The software does not provide support to assistive technologies for screen reading. 3. Auditory output is provided as non-visual access to closed functionality. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the auditory output is delivered by a mechanism included in or provided with the ICT. 2. Check that the auditory output is delivered by a personal headset that can be connected through a 3,5 mm audio jack or an industry standard connection without requiring the use of vision. 3. Check that the auditory output comprises of purposes from the Input Purposes for User Interface Components section. <p>Result Pass: Checks (1 or 2) is true and 3 is true Fail: Checks (1 and 2) are false or 3 is false Not applicable: Pre-condition 1, 2 or 3 is not met.</p>
<p>11.1.4 Distinguishable</p>	<p>---</p>
<p>11.1.4.1 Use of colour</p> <p>Where ICT is non-web software that provides a user interface, it shall satisfy the WCAG 2.1 Success Criterion 1.4.1 Use of Color.</p> <p>WCAG 2.1 Success Criterion 1.4.1 Use of Color Understanding Use of Color</p>	<p>C.11.1.4.1 Use of colour</p> <p>Type of assessment Inspection Pre-conditions</p>

EN 301 549 clause	Determination of conformance
<p>How to Meet Use of Color</p> <p>(Level A)</p> <p>Color is not used as the only visual means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.</p> <p>Note: This success criterion addresses color perception specifically. Other forms of perception are covered in Guideline 1.3 including programmatic access to color and other visual presentation coding.</p>	<p>1. The ICT is non-web software that provides a user interface.</p> <p>Procedure</p> <p>1. Check that the software does not fail WCAG 2.1 Success Criterion 1.4.1 Use of Color.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met, or the non-web software does not contain content relevant to WCAG 2.1 Success Criterion 1.4.1 Use of Color.</p>
<p>11.1.4.2 Audio control</p> <p>Where ICT is non-web software that provides a user interface, it shall satisfy the success criterion in Table 11.1.</p> <p>Table 11.1: Software success criterion: Audio control</p> <p>If any audio in a software 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.</p> <p>NOTE 1: Since any part of a software that does not meet this success criterion can interfere with a user's ability to use the whole software, all content in the software (whether or not it is used to meet other success criteria) shall meet this success criterion.</p> <p>NOTE 2: This success criterion is identical to the WCAG 2.1 Success Criterion 1.4.2 Audio Control replacing "on a Web page" with "in a software", "any content" with "any part of a software", "whole page" with "whole software", "on the Web page" with "in the software", removing "See Conformance Requirement 5: Non-Interference" and adding note 1.</p> <p>WCAG 2.1 Success Criterion 1.4.2 Audio Control</p> <p>Understanding Audio Control</p>	<p>C.11.1.4.2 Audio control</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <p>1. The ICT is non-web software that provides a user interface.</p> <p>Procedure</p> <p>1. Check that the software does not fail the Success Criterion in Table 11.1.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met.</p>

EN 301 549 clause	Determination of conformance
<p>How to Meet Audio Control</p> <p>(Level A)</p>	
<p>11.1.4.3 Contrast (minimum)</p> <p>Where ICT is non-web software that provides a user interface, it shall satisfy the WCAG 2.1 Success Criterion 1.4.3 Contrast (Minimum).</p> <p>WCAG 2.1 Success Criterion 1.4.3 Contrast (Minimum)</p> <p>Understanding Contrast (Minimum)</p> <p>How to Meet Contrast (Minimum)</p> <p>(Level AA)</p> <p>The visual presentation of text and images of text has a contrast ratio of at least 4.5:1, except for the following:</p> <ul style="list-style-type: none"> • 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 contrast requirement. 	<p>C.11.1.4.3 Contrast (minimum)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the software does not fail WCAG 2.1 Success Criterion 1.4.3 Contrast (Minimum). <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met, or the non-web software does not contain content relevant to WCAG 2.1 Success Criterion 1.4.3 Contrast (Minimum).</p>
<p>11.1.4.4 Resize text</p>	<p>---</p>
<p>11.1.4.4.1 Resize text (open functionality)</p> <p>Where ICT is non-web software that provides a user interface and that supports access to enlargement features of platform or assistive technology, it shall satisfy the WCAG 2.1 Success Criterion 1.4.4 Resize Text.</p> <p>NOTE 1: Content for which there are software players, viewers or editors with a 200 percent zoom feature would automatically meet this success criterion when used with such players, unless the content will not work with zoom.</p> <p>NOTE 2: This success criterion is about the ability to allow users to enlarge the text on screen at least up to 200 % without needing to use assistive technologies. This means that the application provides some means for</p>	<p>C.11.1.4.4.1 Resize text (open functionality)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface. 2. The software provides support to enlargement features of platform or assistive technology.

EN 301 549 clause	Determination of conformance
<p>enlarging the text 200 % (zoom or otherwise) without loss of content or functionality or that the application works with the platform features that meet this requirement.</p> <p>WCAG 2.1 Success Criterion 1.4.4 Resize text</p> <p>Understanding Resize text</p> <p>How to Meet Resize text</p> <p>(Level AA)</p> <p>Except for captions and images of text, text can be resized without assistive technology up to 200 percent without loss of content or functionality.</p>	<p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the software does not fail WCAG 2.1 Success Criterion 1.4.4 Resize text. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met, or the non-web software does not contain content relevant to WCAG 2.1 Success Criterion 1.4.4 Resize text.</p>
<p>11.1.4.4.2 Resize text (closed functionality)</p> <p>Where ICT is non-web software that provides a user interface which is not able to access the enlargement features of platform or assistive technology, it shall meet requirement 5.1.4 (Functionality closed to text enlargement).</p> <p>NOTE: Because the text rendering support in a closed environment may be more limited than the support found in user agents for the Web, meeting 11.1.4.4.2 in a closed environment may place a much heavier burden on the content author.</p>	<p>C.11.1.4.4.2 Resize text (closed functionality)</p> <p>Type of assessment</p> <p>Inspection and measurement</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. ICT is non-web software that provides a user interface. 2. The user interface is closed to enlargement features of platform or assistive technology. 3. A viewing distance is specified by the supplier. <p>Procedure</p> <ol style="list-style-type: none"> 1. Measure the height of a capital letter H. 2. Check that it subtends an angle of at least 0,7 degrees at the specified viewing distance. <p>Result</p> <p>Pass: Check 2 is true</p> <p>Fail: Check 2 is false</p> <p>Not applicable: Pre-condition 1, 2 or 3 is not met.</p>
<p>11.1.4.5 Images of text</p>	<p>---</p>

EN 301 549 clause	Determination of conformance
<p>11.1.4.5.1 Images of text (open functionality)</p> <p>Where ICT is non-web software that provides a user interface and that supports access to assistive technologies for screen reading, it shall satisfy the WCAG 2.1 Success Criterion 1.4.5 Images of Text.</p> <p>Criterion 1.4.5 Images of Text.</p> <p>Understanding Images of Text</p> <p>How to Meet Images of Text</p> <p>(Level AA)</p> <p>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:</p> <ul style="list-style-type: none"> • 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. <p>Note: Logotypes (text that is part of a logo or brand name) are considered essential.</p>	<p>C.11.1.4.5.1 Images of text (open functionality)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface. 2. The software provides support to assistive technologies for screen reading. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the software does not fail WCAG 2.1 Success Criterion 1.4.5 Images of Text. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 or 2 is not met, or the non-web software does not contain content relevant to WCAG 2.1 Success Criterion 1.4.5 Images of Text.</p>
<p>11.1.4.5.2 Images of text (closed functionality)</p> <p>Where ICT is non-web software that provides a user interface which is closed to assistive technologies for screen reading, it does not need to meet the WCAG 2.1 Success Criterion 1.4.5 Images of Text because there is no need to impose a requirement on all closed functionality that text displayed on the screen actually be represented internally as text (as defined by WCAG 2.1), given that there is no interoperability with assistive technology.</p> <p>Criterion 1.4.5 Images of Text.</p> <p>Understanding Images of Text</p> <p>How to Meet Images of Text</p> <p>(Level AA)</p>	<p>C.11.1.4.5.2 Images of text (closed functionality)</p> <p>Type of assessment</p> <p>Testing</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface. 2. The user interface is closed to assistive technologies for screen reading. 3. Non-text content is presented to users via speech output. <p>Procedure</p>

EN 301 549 clause	Determination of conformance
<p>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:</p> <ul style="list-style-type: none"> • 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. <p>Note: Logotypes (text that is part of a logo or brand name) are considered essential.</p>	<ol style="list-style-type: none"> 1. Check that speech output is provided as an alternative for non-text content. 2. Check that the non-text content is not pure decoration. 3. Check that the non-text content is not used only for visual formatting. 4. Check that the speech output follows the guidance for "text alternative" described in WCAG 2.1 Success Criterion 1.1.1 Non-text Content. <p>Result</p> <p>Pass: Check (1 and 2 and 3 and 4 are true) or (1 and 2 are false) or (1 and 3 are false)</p> <p>Fail: Checks (1 true and 2 false) or (1 true and 3 false) or (1 and 2 and 3 are true and 4 is false)</p> <p>Not applicable: Pre-condition 1, 2 or 3 is not met.</p>
<p>11.1.4.10 Reflow</p> <p>Where ICT is non-web software that provides a user interface and that supports access to assistive technologies for screen reading, it shall satisfy the success criterion in Table 11.2.</p> <p>Table 11.2: Document success criterion: Reflow</p> <p>Content can be presented without loss of information or functionality, and without requiring scrolling in two dimensions for:</p> <ul style="list-style-type: none"> • Vertical scrolling content at a width equivalent to 320 CSS pixels; • Horizontal scrolling content at a height equivalent to 256 CSS pixels; <p>Except for parts of the content which require two-dimensional layout for usage or meaning.</p> <p>NOTE 1: 320 CSS pixels is equivalent to a starting viewport width of 1280 CSS pixels wide at 400% zoom. For non-web software which are designed to scroll horizontally (e.g. with vertical text), the 256 CSS pixels is equivalent to a starting viewport height of 1024 px at 400% zoom.</p>	<p>C.11.1.4.10 Reflow</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the software does not fail the Success Criterion in Table 11.2. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met.</p>

EN 301 549 clause	Determination of conformance
<p>NOTE 2: Examples of content which require two-dimensional layout are images, maps, diagrams, video, games, presentations, data tables, and interfaces where it is necessary to keep toolbars in view while manipulating content.</p> <p>NOTE 3: This success criterion is identical to the WCAG 2.1 Success Criterion 1.4.10 Reflow replacing the original WCAG 2.1 notes with notes 1 and 2, above.</p> <p>WCAG 2.1 Success Criterion 1.4.10 Reflow</p> <p>Understanding Reflow</p> <p>How to Meet Reflow</p> <p>(Level AA)</p>	
<p>11.1.4.11 Non-text contrast</p> <p>Where ICT is non-web software that provides a user interface, it shall satisfy WCAG 2.1 Success Criterion 1.4.11 Non-text Contrast.</p> <p>WCAG 2.1 Success Criterion 1.4.11 Non-text Contrast</p> <p>Understanding Non-text Contrast</p> <p>How to Meet Non-text Contrast</p> <p>(Level AA)</p> <p>The visual presentation of the following have a contrast ratio of at least 3:1 against adjacent color(s):</p> <ul style="list-style-type: none"> • User Interface Components: Visual information required to identify user interface components and states, except for inactive components or where the appearance of the component is determined by the user agent and not modified by the author; • Graphical Objects: Parts of graphics required to understand the content, except when a particular presentation of graphics is essential to the information being conveyed. 	<p>C.11.1.4.11 Non-text contrast</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the software does not fail the Success Criterion WCAG 2.1 Success Criterion 1.4.11 Non-text Contrast. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met, or the non-web software does not contain content relevant to WCAG 2.1 Success Criterion 1.4.11 Non-text Contrast.</p>
<p>11.1.4.12 Text spacing</p>	<p>C.11.1.4.12 Text spacing</p> <p>Type of assessment</p> <p>Inspection</p>

EN 301 549 clause	Determination of conformance
<p>Where ICT is non-web software that provides a user interface and that does not have a fixed size content layout area that is essential to the information being conveyed, it shall satisfy WCAG 2.1 Success Criterion 1.4.12 Text spacing.</p> <p>WCAG 2.1 Success Criterion 1.4.12 Text spacing</p> <p>Understanding Text Spacing</p> <p>How to Meet Text Spacing</p> <p>(Level AA)</p> <p>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:</p> <ul style="list-style-type: none"> • Line height (line spacing) to at least 1.5 times the font size; • Spacing following paragraphs to at least 2 times the font size; • Letter spacing (tracking) to at least 0.12 times the font size; • Word spacing to at least 0.16 times the font size. <p>Exception: Human languages and scripts that do not make use of one or more of these text style properties in written text can conform using only the properties that exist for that combination of language and script.</p>	<p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the software does not fail the Success Criterion WCAG 2.1 Success Criterion 1.4.12 Text spacing. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met, or the non-web software does not contain content relevant to WCAG 2.1 Success Criterion 1.4.12 Text spacing.</p>
<p>11.1.4.13 Content on hover or focus</p> <p>Where ICT is a non-web software that provides a user interface, it shall satisfy WCAG 2.1 Success Criterion 1.4.13 Content on hover or focus.</p> <p>WCAG 2.1 Success Criterion 1.4.13 Content on Hover or Focus</p> <p>Understanding Content on Hover or Focus</p> <p>How to Meet Content on Hover or Focus</p> <p>(Level AA)</p> <p>Where receiving and then removing pointer hover or keyboard focus triggers additional content to become visible and then hidden, the following are true:</p> <ul style="list-style-type: none"> • Dismissible: A mechanism is available to dismiss the additional content without moving pointer hover or keyboard focus, unless the additional 	<p>C.11.1.4.13 Content on hover or focus</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the software does not fail WCAG 2.1 Success Criterion 1.4.13 Content on hover or focus. <p>Result</p>

EN 301 549 clause	Determination of conformance
<p>content communicates an input error or does not obscure or replace other content;</p> <ul style="list-style-type: none"> • Hoverable: If pointer hover can trigger the additional content, then the pointer can be moved over the additional content without the additional content disappearing; • Persistent: The additional content remains visible until the hover or focus trigger is removed, the user dismisses it, or its information is no longer valid. <p>Exception: The visual presentation of the additional content is controlled by the user agent and is not modified by the author.</p> <p>Note: Examples of additional content controlled by the user agent include browser tooltips created through use of the HTML title attribute.</p> <p>Note: Custom tooltips, sub-menus, and other nonmodal popups that display on hover and focus are examples of additional content covered by this criterion.</p>	<p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met, or the non-web software does not contain content relevant to WCAG 2.1 Success Criterion 1.4.13 Content on hover or focus.</p>
11.2 Operable	---
11.2.1 Keyboard accessible	---
11.2.1.1 Keyboard	---
<p>11.2.1.1.1 Keyboard (open functionality)</p> <p>Where ICT is non-web software that provides a user interface and that supports access to keyboards or a keyboard interface, it shall satisfy the WCAG 2.1 Success Criterion 2.1.1 Keyboard.</p> <p>NOTE: This does not imply that software is required to directly support a keyboard or "keyboard interface". Nor does it imply that software is required to provide a soft keyboard. Underlying platform software may provide device independent input services to applications that enable operation via a keyboard. Software that supports operation via such platform device independent services would be operable by a keyboard and would comply.</p> <p>WCAG 2.1 Success Criterion 2.1.1 Keyboard</p> <p>Understanding Keyboard</p> <p>How to Meet Keyboard</p> <p>(Level A)</p>	<p>C.11.2.1.1.1 Keyboard (open functionality)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface. 2. The software provides support to keyboards or a keyboard interface. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the software does not fail WCAG 2.1 Success Criterion 2.1.1 Keyboard.

EN 301 549 clause	Determination of conformance
<p>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.</p> <p>Note: This exception relates to the underlying function, not the input technique. For example, if using handwriting to enter text, the input technique (handwriting) requires path-dependent input but the underlying function (text input) does not.</p> <p>Note: This does not forbid and should not discourage providing mouse input or other input methods in addition to keyboard operation.</p>	<p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 or 2 is not met, or the non-web software does not contain content relevant to WCAG 2.1 Success Criterion 2.1.1 Keyboard.</p>
<p>11.2.1.1.2 Keyboard (closed functionality)</p> <p>Where ICT is non-web software that provides a user interface which is closed to keyboards or keyboard interface, it shall meet requirement 5.1.6.1 (Operation without keyboard interface: Closed functionality).</p>	<p>C.11.2.1.1.2 Keyboard (closed functionality)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. ICT is non-web software that provides a user interface. 2. The user interface is closed to keyboards or keyboard interfaces. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that all functionality of the user interface is operable without vision. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 or 2 is not met.</p>
<p>11.2.1.2 No keyboard trap</p> <p>Where ICT is non-web software that provides a user interface, it shall satisfy the success criterion in Table 11.3.</p> <p>Table 11.3: Software success criterion: No keyboard trap</p>	<p>C.11.2.1.2 No keyboard trap</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p>

EN 301 549 clause	Determination of conformance
<p>If keyboard focus can be moved to a component of the software 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.</p> <p>NOTE 1: Since any part of a software that does not meet this success criterion can interfere with a user's ability to use the whole software, it is necessary for all content in the software (whether or not it is used to meet other success criteria) to meet this success criterion.</p> <p>NOTE 2: Standard exit methods may vary by platform. For example, on many desktop platforms, the Escape key is a standard method for exiting.</p> <p>NOTE 3: This success criterion is identical to the WCAG 2.1 Success Criterion 2.1.2 No Keyboard Trap replacing "content", "page" and "Web page" with "software", removing "See Conformance Requirement 5: Non-Interference" and with the addition of note 2 above " and with note 1 above re-drafted to avoid the use of the word "shall".</p> <p>WCAG 2.1 Success Criterion 2.1.2 No Keyboard Trap Understanding No Keyboard Trap How to Meet No Keyboard Trap (Level A)</p>	<ol style="list-style-type: none"> The ICT is non-web software that provides a user interface. <p>Procedure</p> <ol style="list-style-type: none"> Check that the software does not fail the Success Criterion in Table 11.3. <p>Result</p> <p>Pass: Check 1 is true Fail: Check 1 is false Not applicable: Pre-condition 1 or 2 is not met.</p>
<p>11.2.1.4 Character key shortcuts</p>	<p>---</p>
<p>11.2.1.4.1 Character key shortcuts (open functionality)</p> <p>Where ICT is non-web software that provides a user interface, it shall satisfy WCAG 2.1 Success Criterion 2.1.4 Character Key Shortcuts.</p> <p>WCAG 2.1 Success Criterion 2.1.4 Character Key Shortcuts Understanding Character Key Shortcuts How to Meet Character Key Shortcuts (Level A)</p> <p>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:</p>	<p>C.11.2.1.4.1 Character key shortcuts (open functionality)</p> <p>Type of assessment Inspection Pre-conditions</p> <ol style="list-style-type: none"> The ICT is non-web software that provides a user interface. The software provides support to at least one assistive technology. <p>Procedure</p>

EN 301 549 clause	Determination of conformance
<ul style="list-style-type: none"> • 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. 	<ol style="list-style-type: none"> 1. Check that the software does not fail WCAG 2.1 Success Criterion 2.1.4 Character Key Shortcuts. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 or 2 is not met, or the non-web software does not contain content relevant to WCAG 2.1 Success Criterion 2.1.4 Character Key Shortcuts.</p>
<p>11.2.1.4.2 Character key shortcuts (closed functionality)</p> <p>Where ICT is non-web software that provides a user interface which is closed to keyboards or keyboard interface, it shall meet requirement 5.1.6.1 (Operation without keyboard interface: Closed functionality).</p>	<p>C.11.2.1.4.2 Character key shortcuts (closed functionality)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface. 2. ICT functionality is closed to keyboards or keyboard interfaces. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that all functionality is operable without vision. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 or 2 is not met.</p>
<p>11.2.2 Enough time</p>	<p>---</p>
<p>11.2.2.1 Timing adjustable</p> <p>Where ICT is non-web software that provides a user interface, it shall satisfy the success criterion in Table 11.4.</p>	<p>C.11.2.2.1 Timing adjustable</p> <p>Type of assessment</p>

EN 301 549 clause	Determination of conformance
<p>Table 11.4: Software success criterion: Timing adjustable</p> <p>For each time limit that is set by the software, at least one of the following is true:</p> <ul style="list-style-type: none"> • 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 • 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. <p>NOTE 1: 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 WCAG 2.1 Success Criterion 3.2.1, which puts limits on changes of content or context as a result of user action.</p> <p>NOTE 2: This success criterion is identical to the WCAG 2.1 Success Criterion 2.2.1 Timing Adjustable replacing "the content" with "software" and with the words "WCAG 2.1" added before the word "Success Criterion" in note 1 above.</p> <p>WCAG 2.1 Success Criterion 2.2.1 Timing Adjustable</p> <p>Understanding Timing Adjustable</p> <p>How to Meet Timing Adjustable</p> <p>(Level A)</p>	<p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the software does not fail the Success Criterion in Table 11.4. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met.</p>
<p>11.2.2.2 Pause, stop, hide</p> <p>Where ICT is non-web software that provides a user interface, it shall satisfy the success criterion in Table 11.5.</p>	<p>C.11.2.2.2 Pause, stop, hide</p> <p>Type of assessment</p>

EN 301 549 clause	Determination of conformance
<p>Table 11.5: Software success criterion: Pause, stop, hide</p> <p>For moving, blinking, scrolling, or auto-updating information, all of the following are true:</p> <ul style="list-style-type: none"> • 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. <p>NOTE 1: For requirements related to flickering or flashing content, refer to WCAG 2.1 Guideline 2.3.</p> <p>NOTE 2: This success criteria is applicable to all content in the software (whether or not there is an alternate accessible mode of operation of the software) since any part of a software that does not meet this success criterion can interfere with a user's ability to use the whole software (including a user interface element that enables the user to activate the alternate accessible mode of operation).</p> <p>NOTE 3: Content that is updated periodically by software or that is streamed to the user agent is not required to preserve or present information that is generated or received between the initiation of the pause and resuming presentation, as this may not be technically possible, and in many situations could be misleading to do so.</p> <p>NOTE 4: An animation that occurs as part of a preload phase or similar situation can be considered essential if interaction cannot occur during that phase for all users and if not indicating progress could confuse users or cause them to think that content was frozen or broken.</p> <p>NOTE 5: This is to be applied to all content. Any content, whether informative or decorative, that is updated automatically, blinks, or moves may create an accessibility barrier.</p>	<p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the software does not fail the Success Criterion in Table 11.5. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met.</p>

EN 301 549 clause	Determination of conformance
<p>NOTE 6: This success criterion is identical to the WCAG 2.1 Success Criterion 2.2.2 Pause, Stop, Hide replacing "page" and "Web page" with "software", removing "See Conformance Requirement 5: Non-Interference" in note 2 of the success criterion, with the words "WCAG 2.1" added before the word "Guideline" in note 1 above, with note 2 above re-drafted to avoid the use of the word "must" and with the addition of note 5 above.</p> <p>WCAG 2.1 Success Criterion 2.2.2 Pause, Stop, Hide</p> <p>Understanding Pause, Stop, Hide</p> <p>How to Meet Pause, Stop, Hide</p> <p>(Level A)</p>	
<p>11.2.3 Seizures and physical reactions</p>	<p>---</p>
<p>11.2.3.1 Three flashes or below threshold</p> <p>Where ICT is non-web software that provides a user interface, it shall satisfy the success criterion in Table 11.6.</p> <p>Table 11.6: Software success criterion: Three flashes or below threshold</p> <p>Software does 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.</p> <p>NOTE 1: This success criteria is applicable to all content in the software (whether or not there is an alternate accessible mode of operation of the software) since any part of a software that does not meet this success criterion can interfere with a user's ability to use the whole software (including a user interface element that enables the user to activate the alternate accessible mode of operation).</p> <p>NOTE 2: This success criterion is identical to the WCAG 2.1 Success Criterion 2.3.1 Three Flashes or Below Threshold replacing "Web pages" with "software", "the whole page" with "the whole software", "the Web page" with "the software" and removing "See Conformance Requirement 5: Non-Interference" and with note 1 above re-drafted to avoid the use of the word "must".</p> <p>WCAG 2.1 Success Criterion 2.3.1 Three Flashes or Below Threshold</p> <p>Understanding Three Flashes or Below Threshold</p>	<p>C.11.2.3.1 Three flashes or below threshold</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <p>1. The ICT is non-web software that provides a user interface.</p> <p>Procedure</p> <p>1. Check that the software does not fail the Success Criterion in Table 11.6.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met.</p>

EN 301 549 clause	Determination of conformance
How to Meet Three Flashes or Below Threshold (Level A)	
11.2.4 Navigable	---
11.2.4.3 Focus order Where ICT is non-web software that provides a user interface, it shall satisfy the success criterion in Table 11.7. Table 11.7: Software success criterion: Focus order If software can be navigated sequentially and the navigation sequences affect meaning or operation, focusable components receive focus in an order that preserves meaning and operability. NOTE: This success criterion is identical to the WCAG 2.1 Success Criterion 2.4.3 Focus order replacing "Web page" with "software". WCAG 2.1 Success Criterion 2.4.3 Focus Order Understanding Focus Order How to Meet Focus Order (Level A)	C.11.2.4.3 Focus order Type of assessment Inspection Pre-conditions 1. The ICT is non-web software that provides a user interface. Procedure 1. Check that the software does not fail the Success Criterion in Table 11.7. Result Pass: Check 1 is true Fail: Check 1 is false Not applicable: Pre-condition 1 is not met.
11.2.4.4 Link purpose (in context) Where ICT is non-web software that provides a user interface, it shall satisfy WCAG 2.1 Success Criterion 2.4.4 Link Purpose (In Context) . WCAG 2.1 Success Criterion 2.4.4 Link Purpose (In Context) Understanding Link Purpose (In Context) How to Meet Link Purpose (In Context) (Level A) The	C.11.2.4.4 Link purpose (in context) Type of assessment Inspection Pre-conditions 1. The ICT is non-web software that provides a user interface. Procedure

EN 301 549 clause	Determination of conformance
<p>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.</p>	<p>1. Check that the software does not fail WCAG 2.1 Success Criterion 2.4.4 Link Purpose (In Context).</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met, or the non-web software does not contain content relevant to WCAG 2.1 Success Criterion 2.4.4 Link Purpose (In Context).</p>
<p>11.2.4.6 Headings and labels</p> <p>Where ICT is non-web software that provides a user interface, it shall satisfy the WCAG 2.1 Success Criterion 2.4.6 Headings and Labels.</p> <p>NOTE: In software, headings and labels are used to describe sections of content and controls respectively. In some cases it may be unclear whether a piece of static text is a heading or a label. But whether treated as a label or a heading, the requirement is the same: that if they are present they describe the topic or purpose of the item(s) they are associated with.</p> <p>WCAG 2.1 Success Criterion 2.4.6 Headings and Labels</p> <p>Understanding Headings and Labels</p> <p>How to Meet Headings and Labels</p> <p>(Level AA)</p> <p>Headings and labels describe topic or purpose.</p>	<p>C.11.2.4.6 Headings and labels</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <p>1. The ICT is non-web software that provides a user interface.</p> <p>Procedure</p> <p>1. Check that the software does not fail WCAG 2.1 Success Criterion 2.4.6 Headings and Labels.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met, or the non-web software does not contain content relevant to WCAG 2.1 Success Criterion 2.4.6 Headings and Labels.</p>
<p>11.2.4.7 Focus visible</p> <p>Where ICT is non-web software that provides a user interface, it shall satisfy the WCAG 2.1 Success Criterion 2.4.7 Focus Visible.</p>	<p>C.11.2.4.7 Focus visible</p> <p>Type of assessment</p> <p>Inspection</p>

EN 301 549 clause	Determination of conformance
<p>WCAG 2.1 Success Criterion 2.4.7 Focus Visible</p> <p>Understanding Focus Visible</p> <p>How to Meet Focus Visible</p> <p>(Level AA)</p> <p>Any keyboard operable user interface has a mode of operation where the keyboard focus indicator is visible.</p>	<p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is non-web software that provides a user interface. <p>Procedure</p> <ol style="list-style-type: none"> Check that the software does not fail WCAG 2.1 Success Criterion 2.4.7 Focus Visible. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met, or the non-web software does not contain content relevant to WCAG 2.1 Success Criterion 2.4.7 Focus Visible.</p>
<p>11.2.5 Input modalities</p>	<p>---</p>
<p>11.2.5.1 Pointer gestures</p> <p>Where ICT is non-web software that provides a user interface, it shall satisfy the success criterion in Table 11.8.</p> <p>Table 11.8: Software success criterion: Pointer gestures</p> <p>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.</p> <p>NOTE 1: This requirement applies to non-web software that interprets pointer actions (i.e. this does not apply to actions that are required to operate the user agent or assistive technology).</p> <p>NOTE 2: This success criterion is identical to the WCAG 2.1 Success Criterion 2.5.1 Pointer Gestures replacing the original WCAG 2.1 note with note 1 above.</p> <p>WCAG 2.1 Success Criterion 2.5.1 Pointer Gestures</p> <p>Understanding Pointer Gestures</p> <p>How to Meet Pointer Gestures</p>	<p>C.11.2.5.1 Pointer gestures</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is non-web software that provides a user interface. The software provides support to at least one assistive technology. <p>Procedure</p> <ol style="list-style-type: none"> Check that the software does not fail the Success Criterion in Table 11.8. <p>Result</p> <p>Pass: Check 1 is true</p>

EN 301 549 clause	Determination of conformance
(Level A)	Fail: Check 1 is false Not applicable: Pre-condition 1 or 2 is not met.
<p>11.2.5.2 Pointer cancellation</p> <p>Where ICT is non-web software that provides a user interface, it shall satisfy the success criterion in Table 11.9.</p> <p>Table 11.9: Software success criterion: Pointer cancellation</p> <p>For functionality that can be operated using a single pointer, at least one of the following is true:</p> <ul style="list-style-type: none"> • 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 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. <p>NOTE 1: Functions that emulate a keyboard or numeric keypad key press are considered essential.</p> <p>NOTE 2: This requirement applies to non-web software that interprets pointer actions (i.e. this does not apply to actions that are required to operate the user agent or assistive technology).</p> <p>NOTE 3: This success criterion is identical to the WCAG 2.1 Success Criterion 2.5.2 Pointer Cancellation replacing the original WCAG 2.1 note with notes 1 and 2 above.</p> <p>WCAG 2.1 Success Criterion 2.5.2 Pointer Cancellation</p> <p>Understanding Pointer Cancellation</p> <p>How to Meet Pointer Cancellation</p> <p>(Level A)</p>	<p>C.11.2.5.2 Pointer cancellation</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface. 2. The software provides support to at least one assistive technology. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the software does not fail the Success Criterion in Table 11.9. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 or 2 is not met.</p>
11.2.5.3 Label in name	---

EN 301 549 clause	Determination of conformance
<p>11.2.5.3.1 Label in name (open functionality)</p> <p>Where ICT is non-web software that provides a user interface, it shall satisfy WCAG 2.1 Success Criterion 2.5.3 Label in Name.</p> <p>WCAG 2.1 Success Criterion 2.5.3 Label in Name</p> <p>Understanding Label in Name</p> <p>How to Meet Label in Name</p> <p>(Level A)</p> <p>For user interface components with labels that include text or images of text, the name contains the text that is presented visually.</p> <p>Note: A best practice is to have the text of the label at the start of the name.</p>	<p>C.11.2.5.3.1 Label in name (open functionality)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface. 2. The software provides support to at least one assistive technology. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the software does not fail WCAG 2.1 Success Criterion 2.5.3 Label in Name. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 or 2 is not met, or the non-web software does not contain content relevant to WCAG 2.1 Success Criterion 2.5.3 Label in Name.</p>
<p>11.2.5.3.2 Label in name (closed functionality)</p> <p>Where ICT is non-web software that provides a user interface which is closed to assistive technologies for screen reading, it should meet requirement 5.1.3.3 (Auditory output correlation).</p>	<p>C.11.2.5.3.2 Label in name (closed functionality)</p> <p>Clause 11.2.5.3.2 is informative only and contains no requirements requiring test.</p>
<p>11.2.5.4 Motion actuation</p> <p>Where ICT is non-web software that provides a user interface, it shall satisfy WCAG 2.1 Success Criterion 2.5.4 Motion Actuation.</p> <p>WCAG 2.1 Success Criterion 2.5.4 Motion Actuation</p> <p>Understanding Motion Actuation</p> <p>How to Meet Motion Actuation</p>	<p>C.11.2.5.4 Motion actuation</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface.

EN 301 549 clause	Determination of conformance
<p>(Level A)</p> <p>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:</p> <ul style="list-style-type: none"> 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. 	<p>2. The software provides support to at least one assistive technology.</p> <p>Procedure</p> <ol style="list-style-type: none"> Check that the software does not fail WCAG 2.1 Success Criterion 2.5.4 Motion Actuation. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 or 2 is not met, or the non-web software does not contain content relevant to WCAG 2.1 Success Criterion 2.5.4 Motion Actuation.</p>
<p>11.3 Understandable</p>	<p>---</p>
<p>11.3.1 Readable</p>	<p>---</p>
<p>11.3.1.1 Language of software</p>	<p>---</p>
<p>11.3.1.1.1 Language of software (open functionality)</p> <p>Where ICT is non-web software that provides a user interface and that supports access to assistive technologies for screen reading, it shall satisfy the success criterion in Table 11.10.</p> <p>Table 11.10: Software success criterion: Language of software</p> <p>The default human language of software can be programmatically determined</p> <p>NOTE 1: Where software platforms provide a "locale / language" setting, applications that use that setting and render their interface in that "locale / language" would comply with this success criterion. Applications that do not use the platform "locale / language" setting but instead use an accessibility-supported method for exposing the human language of the software would also comply with this success criterion. Applications implemented in technologies where assistive technologies cannot determine the human language and that do not support the platform "locale / language" setting may not be able to meet this success criterion in that locale / language.</p>	<p>C.11.3.1.1.1 Language of software (open functionality)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is non-web software that provides a user interface. The software provides support to assistive technologies for screen reading. <p>Procedure</p> <ol style="list-style-type: none"> Check that the software does not fail the Success Criterion in Table 11.10. <p>Result</p>

EN 301 549 clause	Determination of conformance
<p>NOTE 2: This success criterion is identical to the WCAG 2.1 Success Criterion 3.1.1 Language of page, replacing "each web page" with "software" and with the addition of note 1 above.</p> <p>WCAG 2.1 Success Criterion 3.1.1 Language of Page</p> <p>Understanding Language of Page</p> <p>How to Meet Language of Page</p> <p>(Level A)</p>	<p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 or 2 is not met.</p>
<p>11.3.1.1.2 Language of software (closed functionality)</p> <p>Where ICT is non-web software that provides a user interface which is closed to assistive technologies for screen reading, it shall meet requirement 5.1.3.14 (Spoken languages).</p>	<p>C.11.3.1.1.2 Language of software (closed functionality)</p> <p>Type of assessment</p> <p>Testing</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. ICT is non-web software that provides a user interface. 2. The user interface is closed to assistive technologies for screen reading. 3. The speech output is provided as non-visual access to closed functionality. 4. The speech output is not proper names, technical terms, words of indeterminate language, and words or phrases that have become part of the vernacular of the immediately surrounding text. 5. The content is not generated externally and is under the control of the ICT vendor. 6. The displayed languages can be selected using non-visual access. 7. The user has not selected a speech language that is different from the language of the displayed content. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the speech output is in the same human language of the displayed content provided. <p>Result</p>

EN 301 549 clause	Determination of conformance
	Pass: Check 1 is true Fail: Check 1 is false Not applicable: Pre-condition 1, 2, 3, 4, 5, 6 or 7 is not met.
11.3.2 Predictable	---
<p>11.3.2.1 On focus</p> <p>Where ICT is non-web software that provides a user interface, it shall satisfy the WCAG 2.1 Success Criterion 3.2.1 On Focus.</p> <p>NOTE: Some compound documents and their user agents are designed to provide significantly different viewing and editing functionality depending upon what portion of the compound document is being interacted with (e.g. a presentation that contains an embedded spreadsheet, where the menus and toolbars of the user agent change depending upon whether the user is interacting with the presentation content, or the embedded spreadsheet content). If the user uses a mechanism other than putting focus on that portion of the compound document with which they mean to interact (e.g. by a menu choice or special keyboard gesture), any resulting change of context would not be subject to this success criterion because it was not caused by a change of focus.</p> <p>WCAG 2.1 Success Criterion 3.2.1 On Focus</p> <p>Understanding On Focus</p> <p>How to Meet On Focus</p> <p>(Level A)</p> <p>When any user interface component receives focus, it does not initiate a change of context.</p>	<p>C.11.3.2.1 On focus</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is non-web software that provides a user interface. <p>Procedure</p> <ol style="list-style-type: none"> Check that the software does not fail WCAG 2.1 Success Criterion 3.2.1 On Focus. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met, or the non-web software does not contain content relevant to WCAG 2.1 Success Criterion 3.2.1 On Focus.</p>
<p>11.3.2.2 On input</p> <p>Where ICT is non-web software that provides a user interface, it shall satisfy the WCAG 2.1 Success Criterion 3.2.2 On Input.</p> <p>WCAG 2.1 Success Criterion 3.2.2 On Input</p> <p>Understanding On Input</p> <p>How to Meet On Input</p> <p>(Level A)</p>	<p>C.11.3.2.2 On input</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> The ICT is non-web software that provides a user interface.

EN 301 549 clause	Determination of conformance
<p>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.</p>	<p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the software does not fail WCAG 2.1 Success Criterion 3.2.2 On Input. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met, or the non-web software does not contain content relevant to WCAG 2.1 Success Criterion 3.2.2 On Input.</p>
<p>11.3.3 Input assistance</p>	<p>---</p>
<p>11.3.3.1 Error identification</p>	<p>---</p>
<p>11.3.3.1.1 Error identification (open functionality)</p> <p>Where ICT is non-web software that provides a user interface and that supports access to assistive technologies for screen reading, it shall satisfy the WCAG 2.1 Success Criterion 3.3.1 Error Identification.</p> <p>WCAG 2.1 Success Criterion 3.3.1 Error Identification</p> <p>Understanding Error Identification</p> <p>How to Meet Error Identification</p> <p>(Level A)</p> <p>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.</p>	<p>C.11.3.3.1.1 Error identification (open functionality)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface. 2. The software provides support to assistive technologies for screen reading. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the software does not fail WCAG 2.1 Success Criterion 3.3.1 Error Identification. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p>

EN 301 549 clause	Determination of conformance
	Not applicable: Pre-condition 1 or 2 is not met, or the non-web software does not contain content relevant to WCAG 2.1 Success Criterion 3.3.1 Error Identification.
<p>11.3.3.1.2 Error Identification (closed functionality)</p> <p>Where ICT is non-web software that provides a user interface which is closed to assistive technologies for screen reading, it shall meet requirement 5.1.3.15 (Non-visual error identification).</p>	<p>C.11.3.3.1.2 Error Identification (closed functionality)</p> <p>Type of assessment Testing</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. ICT is non-web software that provides a user interface. 2. The user interface is closed to assistive technologies for screen reading. 3. Speech output is provided as non-visual access to closed functionality. 4. An input error is automatically detected. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that speech output identifies the item that is in error. 2. Check that the speech output describes the item that is in error. <p>Result</p> <p>Pass: Checks 1 and 2 are true Fail: Check 1 or check 2 false Not applicable: Pre-condition 1, 2,3 or 4 is not met.</p>
<p>11.3.3.2 Labels or instructions</p> <p>Where ICT is non-web software that provides a user interface, it shall satisfy the WCAG 2.1 Success Criterion 3.3.2 Labels or Instructions.</p> <p>WCAG 2.1 Success Criterion 3.3.2 Labels or Instructions</p> <p>Understanding Labels or Instructions</p> <p>How to Meet Labels or Instructions</p>	<p>C.11.3.3.2 Labels or instructions</p> <p>Type of assessment Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface.

EN 301 549 clause	Determination of conformance
<p>(Level A)</p> <p>Labels or instructions are provided when content requires user input.</p>	<p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the software does not fail WCAG 2.1 Success Criterion 3.3.2 Labels or Instructions. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met, or the non-web software does not contain content relevant to WCAG 2.1 Success Criterion 3.3.2 Labels or Instructions.</p>
<p>11.3.3.3 Error suggestion</p> <p>Where ICT is non-web software that provides a user interface, it shall satisfy the WCAG 2.1 Success Criterion 3.3.3 Error Suggestion.</p> <p>WCAG 2.1 Success Criterion 3.3.3 Error Suggestion</p> <p>Understanding Error Suggestion</p> <p>How to Meet Error Suggestion</p> <p>(Level AA)</p> <p>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.</p>	<p>C.11.3.3.3 Error suggestion</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the software does not fail WCAG 2.1 Success Criterion WCAG 2.1 Success Criterion 3.3.3 Error Suggestion. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met, or the non-web software does not contain content relevant to WCAG 2.1 Success Criterion 3.3.3 Error Suggestion.</p>
<p>11.3.3.4 Error prevention (legal, financial, data)</p>	<p>C.11.3.3.4 Error prevention (legal, financial, data)</p>

EN 301 549 clause	Determination of conformance
<p>Where ICT is non-web software that provides a user interface, it shall satisfy the success criterion in Table 11.11.</p> <p>Table 11.11: Software success criterion: Error prevention (legal, financial, data)</p> <p>For software 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:</p> <ol style="list-style-type: none"> 1. Reversible: Submissions are reversible. 2. Checked: Data entered by the user is checked for input errors and the user is provided an opportunity to correct them. 3. Confirmed: A mechanism is available for reviewing, confirming, and correcting information before finalizing the submission. <p>NOTE: This success criterion is identical to the WCAG 2.1 Success Criterion 3.3.4 Error Prevention (Legal, Financial, Data) replacing "web pages" with "software".</p> <p>WCAG 2.1 Success Criterion 3.3.4 Error Prevention (Legal, Financial, Data) Understanding Error Prevention (Legal, Financial, Data) How to Meet Error Prevention (Legal, Financial, Data) (Level AA)</p>	<p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the software does not fail the Success Criterion in Table 11.11. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met.</p>
11.4 Robust	---
11.4.1 Compatible	---
11.4.1.1 Parsing	---
<p>11.4.1.1.1 Parsing (open functionality)</p> <p>Where ICT is non-web software that provides a user interface and that supports access to any assistive technologies, it shall satisfy the success criterion in Table 11.12.</p> <p>Table 11.12: Software success criterion: Parsing</p> <p>For software that uses markup languages, in such a way that the markup is separately exposed and available to assistive technologies and accessibility features of software or to a user-selectable user agent, elements have complete</p>	<p>C.11.4.1.1.1 Parsing (open functionality)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface.

EN 301 549 clause	Determination of conformance
<p>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.</p> <p>NOTE 1: 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.</p> <p>NOTE 2: Markup is not always available to assistive technology or to user selectable user agents such as browsers. In such cases, conformance to this provision would have no impact on accessibility as it can for web content where it is exposed.</p> <p>NOTE 3: Examples of markup that is separately exposed and available to assistive technologies and to user agents include but are not limited to: documents encoded in HTML, ODF, and OOXML. In these examples, the markup can be parsed entirely in two ways: (a) by assistive technologies which may directly open the document, (b) by assistive technologies using DOM APIs of user agents for these document formats.</p> <p>NOTE 4: Examples of markup used internally for persistence of the software user interface that are never exposed to assistive technology include but are not limited to: XUL, GladeXML, and FXML. In these examples assistive technology only interacts with the user interface of generated software.</p> <p>NOTE 5: This success criterion is identical to the WCAG 2.1 Success Criterion 4.1.1 Parsing replacing "In content implemented using markup languages" with "For software that uses markup languages, in such a way that the markup is separately exposed and available to assistive technologies and accessibility features of software or to a user-selectable user agent" with the addition of notes 2, 3 and 4 above.</p> <p>WCAG 2.1 Success Criterion 4.1.1 Parsing Understanding Parsing How to Meet Parsing (Level A)</p>	<p>2. The software provides support to at least one assistive technology.</p> <p>Procedure</p> <p>1. Check that the software does not fail the Success Criterion in Table 11.12.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 or 2 is not met.</p>
<p>11.4.1.1.2 Parsing (closed functionality)</p> <p>Not applicable.</p>	<p>C.11.4.1.1.2 Parsing (closed functionality)</p> <p>Clause 11.4.1.1.2 contains no requirements requiring test.</p>

EN 301 549 clause	Determination of conformance
<p>NOTE: Where ICT is non-web software that provides a user interface which is closed to all assistive technology it shall not have to meet the "Parsing" success criterion in Table 11.10 because the intent of this success criterion is to provide consistency so that different user agents or assistive technologies will yield the same result.</p>	
<p>11.4.1.2 Name, role, value</p>	<p>---</p>
<p>11.4.1.2.1 Name, role, value (open functionality)</p> <p>Where ICT is non-web software that provides a user interface and that supports access to any assistive technologies, it shall satisfy the success criterion in Table 11.13.</p> <p>Table 11.13: Software success criterion: Name, role, value</p> <p>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.</p> <p>NOTE 1: This success criterion is primarily for software developers who develop or use custom user interface components. Standard user interface components on most accessibility-supported platforms already meet this success criterion when used according to specification.</p> <p>NOTE 2: For conforming to this success criterion, it is usually best practice for software user interfaces to use the accessibility services provided by platform software. These accessibility services enable interoperability between software user interfaces and both assistive technologies and accessibility features of software in standardised ways. Most platform accessibility services go beyond programmatic exposure of name and role, and programmatic setting of states, properties and values (and notification of same), and specify additional information that could or should be exposed and / or set (for instance, a list of the available actions for a given user interface component, and a means to programmatically execute one of the listed actions).</p> <p>NOTE 3: This success criterion is identical to the WCAG 2.1 Success Criterion 4.1.2 Name, Role, Value replacing the original WCAG 2.1 note with: "This success criterion is primarily for software developers who develop or use custom user interface components. Standard user interface components on most</p>	<p>C.11.4.1.2.1 Name, role, value (open functionality)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface. 2. The software provides support to at least one assistive technology. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the software does not fail the Success Criterion in Table 11.13. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 or 2 is not met.</p>

EN 301 549 clause	Determination of conformance
<p>accessibility-supported platforms already meet this success criterion when used according to specification." and the addition of note 2 above.</p> <p>WCAG 2.1 Success Criterion 4.1.2 Name, Role, Value</p> <p>Understanding Name, Role, Value</p> <p>How to Meet Name, Role, Value</p> <p>(Level A)</p>	
<p>11.4.1.2.2 Name, role, value (closed functionality)</p> <p>Where ICT is non-web software that provides a user interface which is closed to all assistive technology it shall not have to meet the "Name, role, value" success criterion in Table 11.11 because this success criterion requires information in a programmatically determinable form.</p>	<p>C.11.4.1.2.2 Name, role, value (closed functionality)</p> <p>Clause 11.4.1.2.2 contains no testable requirements.</p>
<p>11.4.1.3 Status messages</p>	<p>---</p>
<p>11.4.1.3.1 Status messages (open functionality)</p> <p>Where ICT is non-web software, it shall satisfy WCAG 2.1 Success Criterion 4.1.3 Status Messages.</p>	<p>C.11.4.1.3.1 Status messages (open functionality)</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is non-web software that provides a user interface. 2. The software provides support to assistive technologies for screen reading. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the software does not fail WCAG 2.1 Success Criterion 4.1.3 Status messages. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p>

EN 301 549 clause	Determination of conformance
	Not applicable: Pre-condition 1 or 2 is not met, or the non-web software does not contain content relevant to WCAG 2.1 Success Criterion 4.1.3 Status messages
11.4.1.3.2 Status messages (closed functionality) Not applicable.	C.11.4.1.3.2 Status messages (closed functionality) Clause 11.4.1.3.2 contains no testable requirements.
11.5 Interoperability with assistive technology	---
11.5.1 Closed functionality Where the closed functionality of software conforms to clause 5.1 (Closed functionality) it shall not be required to conform with clause 11.5.2 to clause 11.5.2.17.	C.11.5.1 Closed functionality Type of assessment Inspection Pre-conditions <ol style="list-style-type: none"> 1. The software has closed functionality. Procedure <ol style="list-style-type: none"> 1. Check that the closed functionality conforms to clause 5.1. Result If check 1 is true, the software is not required to conform to clauses 11.5.2 to 11.5.17 If check 1 is false the software is required to conform to clauses 11.5.2 to 11.5.17 Not applicable: Pre-condition 1 is not met.
11.5.2 Accessibility services	---
11.5.2.1 Platform accessibility service support for software that provides a user interface Platform software shall provide a set of documented platform services that enable software that provides a user interface running on the platform software to interoperate with assistive technology.	C.11.5.2.1 Platform accessibility service support for software that provides a user interface Type of assessment Inspection Pre-conditions

EN 301 549 clause	Determination of conformance
<p>Platform software should support requirements 11.5.2.5 to 11.5.2.17 except that, where a user interface concept that corresponds to one of the clauses 11.5.2.5 to 11.5.2.17 is not supported within the software environment, these requirements are not applicable. For example, selection attributes from 11.5.2.14 (Modification of focus and selection attributes) may not exist in environments that do not allow selection, which is most commonly associated with copy and paste.</p> <p>NOTE 1: These define the minimum functionality of software providing user interfaces when using platform services.</p> <p>NOTE 2: In some platforms these services may be called accessibility services, but in some other platforms these services may be provided as part of the user interface services.</p> <p>NOTE 3: User interface services that provide accessibility support by default are considered to be part of the services provided to conform to this clause (e.g. the service for creating a new user interface element provides role, state, boundary, name and description).</p> <p>NOTE 4: To comply with this requirement the platform software can provide its own set of services or expose the services provided by its underlying platform layers, if those services conform to this requirement.</p> <p>NOTE 5: Within specific programming environments, the technical attributes associated with the user interface properties described in clauses 11.5.2.5 to 11.5.2.17 might have different names than those used within the clauses.</p>	<p>1. The software evaluated is platform software.</p> <p>Procedure</p> <p>1. Check that the platform software documentation includes information about platform services that may be used by software that provides a user interface to interoperate with assistive technology.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met.</p>
<p>11.5.2.2 Platform accessibility service support for assistive technologies</p> <p>Platform software shall provide a set of documented platform accessibility services that enable assistive technology to interoperate with software that provides a user interface running on the platform software.</p> <p>Platform software should support the requirements of clauses 11.5.2.5 to 11.5.2.17 except that, where a user interface concept that corresponds to one of the clauses 11.5.2.5 to 11.5.2.17 is not supported within the software environment, these requirements are not applicable. For example, selection attributes from 11.5.2.14 (Modification of focus and selection attributes) may not exist in environments that do not allow selection, which is most commonly associated with copy and paste.</p> <p>NOTE 1: These define the minimum functionality available to assistive technologies when using platform services.</p>	<p>C.11.5.2.2 Platform accessibility service support for assistive technologies</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <p>1. The software evaluated is platform software.</p> <p>Procedure</p> <p>1. Check that the platform software documentation includes information about platform accessibility services that enables</p>

EN 301 549 clause	Determination of conformance
<p>NOTE 2: The definition of platform in clause 3.1 applies to software that provides services to other software, including but not limited to, operating systems, web browsers, virtual machines.</p> <p>NOTE 3: In some platforms these services may be called accessibility services, but in some other platforms these services may be provided as part of the user interface services.</p> <p>NOTE 4: Typically these services belong to the same set of services that are described in clause 11.5.2.1.</p> <p>NOTE 5: To comply with this requirement the platform software can provide its own set of services or expose the services provided by its underlying platform layers, if those services conform to this requirement.</p>	<p>assistive technology to interoperate with software that provides a user interface running on the platform software.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met.</p>
<p>11.5.2.3 Use of accessibility services</p> <p>Where the software provides a user interface it shall use the applicable documented platform accessibility services. If the documented platform accessibility services do not allow the software to meet the applicable requirements of clauses 11.5.2.5 to 11.5.2.17, then software that provides a user interface shall use other documented services to interoperate with assistive technology.</p> <p>NOTE: The term "documented platform accessibility services" refers to the set of services provided by the platform according to clauses 11.5.2.1 and 11.5.2.2.</p> <p>It is best practice to develop software using toolkits that automatically implement the underlying platform accessibility services.</p>	<p>C.11.5.2.3 Use of accessibility services</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The software evaluated is software that provides a user interface. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the software uses the applicable documented platform accessibility services. 2. Check that the software can meet the applicable requirements 11.5.2.5 to 11.5.2.17 whilst using the documented platform accessibility services. 3. Check that the software can meet requirements 11.5.2.5 to 11.5.2.17 whilst using the documented platform accessibility services and other documented services. <p>Result</p> <p>Pass: Check 1 is true and check 2 or check 3 is true</p> <p>Fail: Check 1 or check 3 is false</p>

EN 301 549 clause	Determination of conformance
	Not applicable: Pre-condition 1 is not met.
<p>11.5.2.4 Assistive technology</p> <p>Where the ICT is assistive technology it shall use the documented platform accessibility services.</p> <p>NOTE 1: The term "documented platform accessibility services" refers to the set of services provided by the platform according to clauses 11.5.2.1 and 11.5.2.2.</p> <p>NOTE 2: Assistive technology can also use other documented accessibility services.</p>	<p>C.11.5.2.4 Assistive technology</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The ICT is assistive technology. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the assistive technology uses the documented platform accessibility services. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met.</p>
<p>11.5.2.5 Object information</p> <p>Where the software provides a user interface it shall, by using the services as described in clause 11.5.2.3, make the user interface elements' role, state(s), boundary, name, and description programmatically determinable by assistive technologies.</p>	<p>C.11.5.2.5 Object information</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The software evaluated is software that provides a user interface. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the user interface element's role is programmatically determinable by assistive technologies. 2. Check that the user interface element's state(s) is programmatically determinable by assistive technologies.

EN 301 549 clause	Determination of conformance
	<ol style="list-style-type: none"> 3. Check that the user interface element's boundary is programmatically determinable by assistive technologies. 4. Check that the user interface element's name is programmatically determinable by assistive technologies. 5. Check that the user interface element's description is programmatically determinable by assistive technologies. <p>Result</p> <p>Pass: Checks 1, 2, 3, 4 and 5 are true</p> <p>Fail: Check 1 or 2 or 3 or 4 or 5 is false</p> <p>Not applicable: Pre-condition 1 is not met.</p>
<p>11.5.2.6 Row, column, and headers</p> <p>Where the software provides a user interface it shall, by using the services as described in clause 11.5.2.3, make the row and column of each cell in a data table, including headers of the row and column if present, programmatically determinable by assistive technologies.</p>	<p>C.11.5.2.6 Row, column, and headers</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The software evaluated is software that provides a user interface. 2. There are data tables in the user interface. <p>Procedure</p> <ol style="list-style-type: none"> 1. Select a data table in which the tests are to be performed. 2. Check that each cell's row is programmatically determinable by assistive technologies. 3. Check that each cell's column is programmatically determinable by assistive technologies. 4. Check that each cell's row header, if the row header exists, is programmatically determinable by assistive technologies. 5. Check that each cell's column header, if the column header exists, is programmatically determinable by assistive technologies. <p>Result</p>

EN 301 549 clause	Determination of conformance
	Pass: Checks 2, 3, 4 and 5 are true Fail: Check 2 or 3 or 4 or 5 is false Not applicable: Pre-condition 1 or 2 is not met.
<p>11.5.2.7 Values</p> <p>Where the software provides a user interface, it shall, by using the services as described in clause 11.5.2.3, make the current value of a user interface element and any minimum or maximum values of the range, if the user interface element conveys information about a range of values, programmatically determinable by assistive technologies.</p>	<p>C.11.5.2.7 Values</p> <p>Type of assessment Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The software evaluated is software that provides a user interface. 2. There are user interface elements that can have values. <p>Procedure</p> <ol style="list-style-type: none"> 1. Select a user interface element that can have a value. 2. Check that the current value is programmatically determinable by assistive technologies. 3. If the user interface element conveys information about a range of values, check that the minimum value is programmatically determinable by assistive technologies. 4. If the user interface element conveys information about a range of values, check that the maximum value is programmatically determinable by assistive technologies. <p>Result</p> <p>Pass: Checks 2, 3 and 4 are true Fail: Check 2 or 3 or 4 is false Not applicable: Pre-condition 1 or 2 is not met.</p>
<p>11.5.2.8 Label relationships</p> <p>Where the software provides a user interface it shall expose the relationship that a user interface element has as a label for another element, or of being labelled</p>	<p>C.11.5.2.8 Label relationships</p> <p>Type of assessment Inspection</p>

EN 301 549 clause	Determination of conformance
<p>by another element, using the services as described in clause 11.5.2.3, so that this information is programmatically determinable by assistive technologies.</p>	<p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The software evaluated is software that provides a user interface. 2. There are user interface elements that are labels of other user interface elements. <p>Procedure</p> <ol style="list-style-type: none"> 1. Obtain the information of each user interface element. 2. Check that the user interface element's information includes the relationship with the user interface element that is its label, if the current user interface element has a label, and that this relationship is programmatically determinable by assistive technologies. 3. Check that the user interface element's information includes the relationship with the user interface element that it is labelling, if the current user interface element is a label, and that this relationship is programmatically determinable by assistive technologies. <p>Result</p> <p>Pass: Checks 2 or 3 are true</p> <p>Fail: Check 2 and 3 are false</p> <p>Not applicable: Pre-condition 1 or 2 is not met.</p>
<p>11.5.2.9 Parent-child relationships</p> <p>Where the software provides a user interface it shall, by using the services as described in clause 11.5.2.3, make the relationship between a user interface element and any parent or children elements programmatically determinable by assistive technologies.</p>	<p>C.11.5.2.9 Parent-child relationships</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The software evaluated is software that provides a user interface.

EN 301 549 clause	Determination of conformance
	<p>2. There are user interface elements that are parents of other user interface elements in a hierarchical structure.</p> <p>Procedure</p> <ol style="list-style-type: none"> 1. For user interface elements that have a parent, check that the user interface element's information includes the relationship with the user interface element that is its parent. 2. Check that the user interface elements that are parents of the user interface element selected in check 1, include the relationship with the user interface elements that are its children in their information, and that this relationship is programmatically determinable by assistive technologies. 3. For user interface elements that are a parent of other user interface elements, check that the user interface element's information includes the relationship with the user interface elements that are its children, and that this relationship is programmatically determinable by assistive technologies. 4. Check that the user interface elements that are a child of the user interface element selected in check 3, include the relationship with the user interface elements that are its parents in their information, and that this relationship is programmatically determinable by assistive technologies. <p>Result</p> <p>Pass: Checks 1 or 2 is true and check 3 or 4 is true</p> <p>Fail: Checks 1 and 2 are false or check 3 and 4 are false</p> <p>Not applicable: Pre-condition 1 or 2 is not met.</p> <p>NOTE: For this requirement it is enough that one of the two directions of a parent-child relationship is programmatically determinable. This is the reason why the requirement checks are in pairs and why the requirement is met if one member of each pair is true.</p>
<p>11.5.2.10 Text</p> <p>Where the software provides a user interface it shall, by using the services as described in clause 11.5.2.3, make the text contents, text attributes, and the</p>	<p>C.11.5.2.10 Text</p> <p>Type of assessment</p> <p>Inspection</p>

EN 301 549 clause	Determination of conformance
<p>boundary of text rendered to the screen programmatically determinable by assistive technologies.</p>	<p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The software evaluated is software that provides a user interface. 2. There is text rendered to the screen. <p>Procedure</p> <ol style="list-style-type: none"> 1. For instances of text rendered to the screen, check that the text's information includes its text content, and that this information is programmatically determinable by assistive technologies. 2. For instances of text rendered to the screen, check that the text's information includes its attributes, and that this information is programmatically determinable by assistive technologies. 3. For instances of text rendered to the screen, check that the text's information includes its boundary, and that this information is programmatically determinable by assistive technologies. <p>Result</p> <p>Pass: Checks 1, 2 and 3 are true</p> <p>Fail: Check 1 or 2 or 3 is false</p> <p>Not applicable: Pre-condition 1 or 2 is not met.</p>
<p>11.5.2.11 List of available actions</p> <p>Where the software provides a user interface it shall, by using the services as described in clause 11.5.2.3, make a list of available actions that can be executed on a user interface element, programmatically determinable by assistive technologies.</p>	<p>C.11.5.2.11 List of available actions</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The software evaluated is software that provides a user interface.

EN 301 549 clause	Determination of conformance
	<p>2. There are user interface elements that have actions that can be executed by the user.</p> <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the user interface element's information includes the list of actions that can be executed. 2. Check that this list is programmatically determinable by assistive technologies. <p>Result</p> <p>Pass: Checks 1 and 2 are true</p> <p>Fail: Check 1 or 2 is false</p> <p>Not applicable: Pre-condition 1 or 2 is not met.</p>
<p>11.5.2.12 Execution of available actions</p> <p>Where permitted by security requirements, software that provides a user interface shall, by using the services as described in clause 11.5.2.3, allow the programmatic execution of the actions exposed according to clause 11.5.2.11 by assistive technologies.</p> <p>NOTE 1: In some cases the security requirements imposed on a software product may forbid external software from interfering with the ICT product. Examples of systems under strict security requirements are systems dealing with intelligence activities, cryptologic activities related to national security, command and control of military forces.</p> <p>NOTE 2: Assistive technologies may be required to maintain the same level of security as the standard input mechanisms supported by the platform.</p>	<p>C.11.5.2.12 Execution of available actions</p> <p>Type of assessment</p> <p>Inspection and testing</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The software evaluated is software that provides a user interface. 2. There are user interface elements that have actions that can be executed by the user. 3. The security requirements permit assistive technology to programmatically execute user actions. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the user interface element's information includes the list of actions that can be executed by assistive technologies according to 11.5.2.11. 2. Check that all the actions in the list can successfully be executed by assistive technologies.

EN 301 549 clause	Determination of conformance
	<p>Result</p> <p>Pass: Checks 1 and 2 are true</p> <p>Fail: Check 1 or 2 is false</p> <p>Not applicable: Pre-condition 1, 2 or 3 is not met.</p>
<p>11.5.2.13 Tracking of focus and selection attributes</p> <p>Where software provides a user interface it shall, by using the services as described in clause 11.5.2.3, make information and mechanisms necessary to track focus, text insertion point, and selection attributes of user interface elements programmatically determinable by assistive technologies.</p>	<p>C.11.5.2.13 Tracking of focus and selection attributes</p> <p>Type of assessment</p> <p>Inspection and testing</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The software evaluated is software that provides a user interface. 2. There are user interface elements that enable text editing. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the user interface element's information includes mechanisms to track focus, text insertion point and selection attributes. 2. Check that this information is programmatically determinable by assistive technologies. 3. Activate those tracking mechanisms. 4. As a user, use the text editing functionality in the evaluated software product. 5. Check that the tracking of focus, text insertion point and selection attributes work. <p>Result</p> <p>Pass: Checks 2 and 5 are true</p> <p>Fail: Check 1 or 5 is false</p> <p>Not applicable: Pre-condition 1 or 2 is not met.</p>
<p>11.5.2.14 Modification of focus and selection attributes</p>	<p>C.11.5.2.14 Modification of focus and selection attributes</p> <p>Type of assessment</p>

EN 301 549 clause	Determination of conformance
<p>Where permitted by security requirements, software that provides a user interface shall, by using the services as described in clause 11.5.2.3, allow assistive technologies to programmatically modify focus, text insertion point, and selection attributes of user interface elements where the user can modify these items.</p> <p>NOTE 1: In some cases the security requirements imposed on a software product may forbid external software from interfering with the ICT product and so this requirement would not apply. Examples of systems under strict security requirements are systems dealing with intelligence activities, cryptologic activities related to national security, command and control of military forces.</p> <p>NOTE 2: Assistive technologies may be required to maintain the same level of security as the standard input mechanisms supported by the platform.</p>	<p>Testing</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The software evaluated is software that provides a user interface. 2. There are user interface elements that can receive focus or that enable text editing. 3. The security requirements permit platform software to programmatically modify focus, text insertion point and selection attributes of user interface elements. <p>Procedure</p> <ol style="list-style-type: none"> 1. For user interface elements that can receive focus and where the focus can be modified by a user without the use of assistive technology, check that the focus can be programmatically modified by assistive technologies. 2. For user interface elements that enable text editing by a user without the use of assistive technology, check that the position of the text insertion point can be programmatically modified by assistive technologies. 3. For user interface elements that enable text editing, check that the selection attributes can be programmatically modified by assistive technologies where they can be modified by user without the use of assistive technology. <p>Result</p> <p>Pass: All checks are true</p> <p>Fail: Any check is false</p> <p>Not applicable: Pre-condition 1, 2 or 3 is not met.</p>
<p>11.5.2.15 Change notification</p> <p>Where software provides a user interface it shall, by using the services as described in clause 11.5.2.3, notify assistive technologies about changes in those programmatically determinable attributes of user interface elements that are referenced in requirements 11.5.2.5 to 11.5.2.11 and 11.5.2.13.</p>	<p>C.11.5.2.15 Change notification</p> <p>Type of assessment</p> <p>Inspection and testing</p> <p>Pre-conditions</p>

EN 301 549 clause	Determination of conformance
	<p data-bbox="1163 245 1860 302">1. The software evaluated is software that provides a user interface.</p> <p data-bbox="1115 345 1241 370">Procedure</p> <ol data-bbox="1163 412 1927 1263" style="list-style-type: none"> 1. Activate notifications of changes in the user interface elements. 2. Check that notifications about changes in object information (role, state, boundary, name and description) are sent to assistive technologies, if this information changes in the software user interface. 3. Check that notifications about changes in row, column and headers of data tables are sent to assistive technologies, if this information changes in the software. 4. Check that notifications about changes in values (current value, minimum value and maximum value) are sent, if this information changes in the software. 5. Check that notifications about changes in label relationships are sent to assistive technologies, if this information changes in the software. 6. Check that notifications about changes in parent-child relationships are sent to assistive technologies, if this information changes in the software. 7. Check notifications about changes in text (text contents, text attributes and the boundary of text rendered to the screen) are sent to assistive technologies, if this information changes in the software. 8. Check that notifications about changes in the list of available actions are sent to assistive technologies, if this information changes in the software. 9. Check that notifications about changes in focus, text insertion point and selection attributes are sent to assistive technologies, if this information changes in the software. <p data-bbox="1115 1304 1199 1328">Result</p> <p data-bbox="1115 1352 1650 1377">Pass: Checks 2, 3, 4, 5, 6, 7, 8 and 9 are true</p> <p data-bbox="1115 1401 1591 1425">Fail: Check 2, 3, 4, 5, 6, 7, 8 or 9 is false</p>

EN 301 549 clause	Determination of conformance
	Not applicable: Pre-condition 1 is not met.
<p>11.5.2.16 Modifications of states and properties</p> <p>Where permitted by security requirements, software that provides a user interface shall, by using the services as described in clause 11.5.2.3, allow assistive technologies to programmatically modify states and properties of user interface elements, where the user can modify these items.</p> <p>NOTE 1: In some cases the security requirements imposed on a software product may forbid external software from interfering with the ICT product and so this requirement would not apply. Examples of systems under strict security requirements are systems dealing with intelligence activities, cryptologic activities related to national security, command and control of military forces.</p> <p>NOTE 2: Assistive technologies may be required to maintain the same level of security as the standard input mechanisms supported by the platform.</p>	<p>C.11.5.2.16 Modifications of states and properties</p> <p>Type of assessment</p> <p>Testing</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The software evaluated is software that provides a user interface. 2. There are user interface elements whose state or properties can be modified by a user without the use of assistive technology. 3. The security requirements permit assistive technology to programmatically modify states and properties of user interface elements. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the state of user interface elements, whose state can be modified by a user without the use of assistive technology, can be programmatically modified by assistive technologies. 2. Check the properties of user interface elements, whose properties can be modified by a user without the use of assistive technologies, can be programmatically modified by assistive technologies. <p>Result</p> <p>Pass: All checks are true</p> <p>Fail: Any check is false</p> <p>Not applicable: Pre-condition 1, 2 or 3 is not met.</p>
<p>11.5.2.17 Modifications of values and text</p> <p>Where permitted by security requirements, software that provides a user interface shall, by using the services as described in clause 11.5.2.3, allow assistive technologies to modify values and text of user interface elements using</p>	<p>C.11.5.2.17 Modifications of values and text</p> <p>Type of assessment</p> <p>Testing</p>

EN 301 549 clause	Determination of conformance
<p>the input methods of the platform, where a user can modify these items without the use of assistive technology.</p> <p>NOTE 1: In some cases the security requirements imposed on a software product may forbid external software from interfering with the ICT product and so this requirement would not apply. Examples of systems under strict security requirements are systems dealing with intelligence activities, cryptologic activities related to national security, command and control of military forces.</p> <p>NOTE 2: Assistive technologies may be required to maintain the same level of security as the standard input mechanisms supported by the platform.</p>	<p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The software evaluated is software that provides a user interface. 2. There are user interface elements whose values or text can be modified by a user without the use of assistive technology. 3. The security requirements permit assistive technology to programmatically modify values and text of user interface elements. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that the values of user interface elements, whose values can be modified by a user without the use of assistive technology, can be modified by assistive technologies using the input methods of the platform. 2. Check that the text of user interface elements, whose text can be modified by a user without the use of assistive technology, can be modified by assistive technologies using the input methods of the platform. <p>Result</p> <p>Pass: all checks are true</p> <p>Fail: any check is false</p> <p>Not applicable: Pre-condition 1, 2 or 3 is not met.</p>
11.6 Documented accessibility usage	---
<p>11.6.1 User control of accessibility features</p> <p>Where software is a platform it shall provide sufficient modes of operation for user control over those platform accessibility features documented as intended for users.</p>	<p>C.11.6.1 User control of accessibility features</p> <p>Type of assessment</p> <p>Testing</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. There are platform features that are defined in the platform documentation as accessibility features intended for users.

EN 301 549 clause	Determination of conformance
	<p>Procedure</p> <ol style="list-style-type: none"> 1. Check that sufficient modes of operation exist where user control over platform features, that are defined in the platform documentation as accessibility features intended for users, is possible. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met.</p>
<p>11.6.2 No disruption of accessibility features</p> <p>Where software provides a user interface it shall not disrupt those documented accessibility features that are defined in platform documentation except when requested to do so by the user during the operation of the software.</p>	<p>C.11.6.2 No disruption of accessibility features</p> <p>Type of assessment</p> <p>Testing</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. There are platform features that are defined in the platform documentation as accessibility features. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check if software that provides a user interface disrupts normal operation of platform accessibility features. 2. Check if the disruption was specifically requested or confirmed by the user. <p>Result</p> <p>Pass: Check 1 is false or both checks are true</p> <p>Fail: Check 1 is true and check 2 is false</p> <p>Not applicable: Pre-condition 1 is not met.</p>
<p>11.7 User preferences</p>	<p>C.11.7 User preferences</p>

EN 301 549 clause	Determination of conformance
<p>Where software is not designed to be isolated from its platform, and provides a user interface, that user interface shall follow the values of the user preferences for platform settings for: units of measurement, colour, contrast, font type, font size, and focus cursor except where they are overridden by the user.</p> <p>NOTE 1: Software that is isolated from its underlying platform has no access to user settings in the platform and thus cannot adhere to them.</p> <p>NOTE 2: For web content, the underlying platform is the user agent.</p> <p>NOTE 3: This does not preclude the software from having additional values for a setting as long as there is one mode where the application will follow the system settings even if more restricted.</p>	<p>Type of assessment</p> <p>Inspection and Testing</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. The software is software that provides a user interface. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check if the software provides sufficient modes of operation that uses user preferences for platform settings for colour, contrast, font type, font size, and focus cursor. 2. Check that the software documentation indicates that the software is designed to be isolated from its underlying platform. <p>Result</p> <p>Pass: Check 1 is true or Check 1 is false and check 2 is true</p> <p>Fail: Check 1 is false and check 2 is false</p> <p>Not applicable: Pre-condition 1, 2 or 3 is not met.</p>
<p>12 Documentation and support services</p>	<p>---</p>
<p>12.1 Product documentation</p>	<p>---</p>
<p>12.1.1 Accessibility and compatibility features</p> <p>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.</p> <p>NOTE: Accessibility and compatibility features include accessibility features that are built-in and accessibility features that provide compatibility with assistive technology.</p> <p>NOTE 2: It is best practice to use WebSchemas/Accessibility 2.0 [i.38] to provide meta data on the accessibility of the ICT.</p>	<p>C.12.1.1 Accessibility and compatibility features</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. Product documentation is supplied with the ICT. <p>Procedure</p>

EN 301 549 clause	Determination of conformance
<p>NOTE 3: The accessibility statement and help pages are both examples of the provision of product information.</p>	<p>1. Check that product documentation provided with the ICT lists and explains how to use the accessibility and compatibility features of the ICT.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met.</p>
<p>12.1.2 Accessible documentation</p> <p>Product documentation provided with the ICT shall be made available in at least one of the following electronic formats:</p> <ol style="list-style-type: none"> 1. a Web format that conforms to the requirements of clause 9, or 2. a non-web format that conforms to the requirements of clause 10. <p>NOTE 1: This does not preclude the possibility of also providing the product documentation in other formats (electronic or printed) that are not accessible.</p> <p>NOTE 2: It also does not preclude the possibility of providing alternate formats that meet the needs of some specific type of users (e.g. Braille documents for blind people or easy-to-read information for persons with cognitive impairments).</p> <p>NOTE 3: Where the documentation is integral to the ICT it will be provided through the user interface which is accessible.</p> <p>NOTE 4: A user agent that supports automatic media conversion would be beneficial to enhancing accessibility.</p>	<p>C.12.1.2 Accessible documentation</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. Product documentation in electronic format is supplied with the ICT. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that product documentation in electronic format provided with the ICT conforms to the requirements of clauses 9 or 10 as appropriate. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met.</p>
<p>12.2 Support services</p>	<p>---</p>
<p>12.2.1 General (informative)</p> <p>ICT support services include, but are not limited to: help desks, call centres, technical support, relay services and training services.</p>	<p>C.12.2.1 General (informative)</p> <p>Clause 12.2.1 is informative only and contains no requirements requiring test.</p>

EN 301 549 clause	Determination of conformance
<p>12.2.2 Information on accessibility and compatibility features</p> <p>ICT support services shall provide information on the accessibility and compatibility features that are included in the product documentation.</p> <p>NOTE: Accessibility and compatibility features include accessibility features that are built-in and accessibility features that provide compatibility with assistive technology.</p>	<p>C.12.2.2 Information on accessibility and compatibility features</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <p>1. ICT support services are provided.</p> <p>Procedure</p> <p>1. Check that the ICT support services provide information on the accessibility and compatibility features that are included in the product documentation.</p> <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met.</p>
<p>12.2.3 Effective communication</p> <p>ICT support services shall accommodate the communication needs of individuals with disabilities either directly or through a referral point.</p>	<p>C.12.2.3 Effective communication</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <p>1. ICT support services are provided.</p> <p>Procedure</p> <p>1. Check that the ICT support services accommodate the communication needs of individuals with disabilities either directly or through a referral point.</p> <p>Result</p>

EN 301 549 clause	Determination of conformance
	<p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met.</p> <p>NOTE: The provision of any level of support for the communication needs of individuals with disabilities constitutes a pass of this requirement. Suppliers may wish to provide further information about the level of support that is provided to enable the adequacy and quality of the support to be judged.</p>
<p>12.2.4 Accessible documentation</p> <p>Documentation provided by support services shall be made available in at least one of the following electronic formats:</p> <ol style="list-style-type: none"> 1. a Web format that conforms to clause 9; or 2. a non-web format that conforms to clause 10. <p>NOTE 1: This does not preclude the possibility of also providing the documentation in other formats (electronic or printed) that are not accessible.</p> <p>NOTE 2: It also does not preclude the possibility of providing alternate formats that meet the needs of some specific type of users (e.g. Braille documents for blind people or easy-to-read information for persons with cognitive impairments).</p> <p>NOTE 3: A user agent that supports automatic media conversion would be beneficial to enhancing accessibility.</p>	<p>C.12.2.4 Accessible documentation</p> <p>Type of assessment</p> <p>Inspection</p> <p>Pre-conditions</p> <ol style="list-style-type: none"> 1. Documentation is provided by the ICT support services. <p>Procedure</p> <ol style="list-style-type: none"> 1. Check that documentation in electronic format provided by the ICT support services conforms to the requirements of clauses 9 or 10 as appropriate. <p>Result</p> <p>Pass: Check 1 is true</p> <p>Fail: Check 1 is false</p> <p>Not applicable: Pre-condition 1 is not met.</p>

Annex - Tables and figures (from EN 301 549)

Table 5.1: Relationship between maximum design viewing distance and minimum character height at 0,7 degrees minimum subtended angle

Minimum subtended angle	Maximum design viewing distance	Minimum character height
0,7 degrees	100 mm	1,2 mm
	200 mm	2,4 mm
	250 mm	3,1 mm
	300 mm	3,7 mm
	350 mm	4,3 mm
	400 mm	4,9 mm
	450 mm	5,5 mm
	500 mm	6,1 mm
	550 mm	6,7 mm
	600 mm	7,3 mm

Figure 1: Relationship between minimum character height and maximum design viewing distance

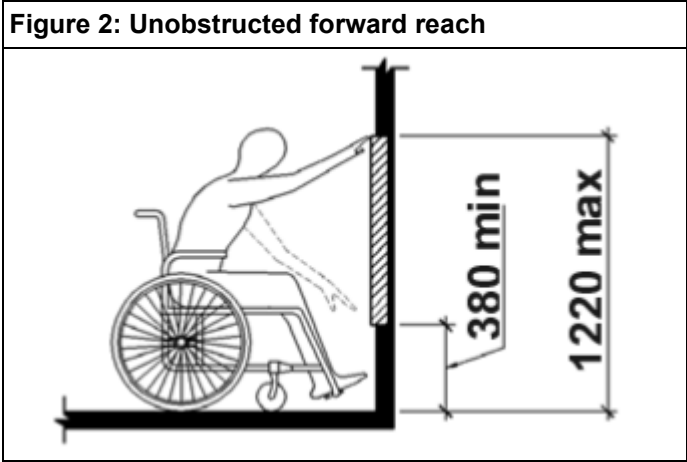


Figure 3: Obstructed forward reach

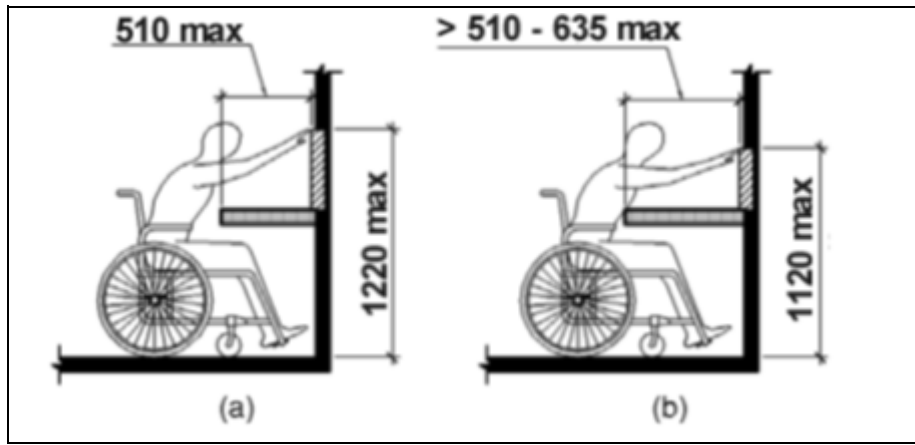


Figure 4: Toe clearance

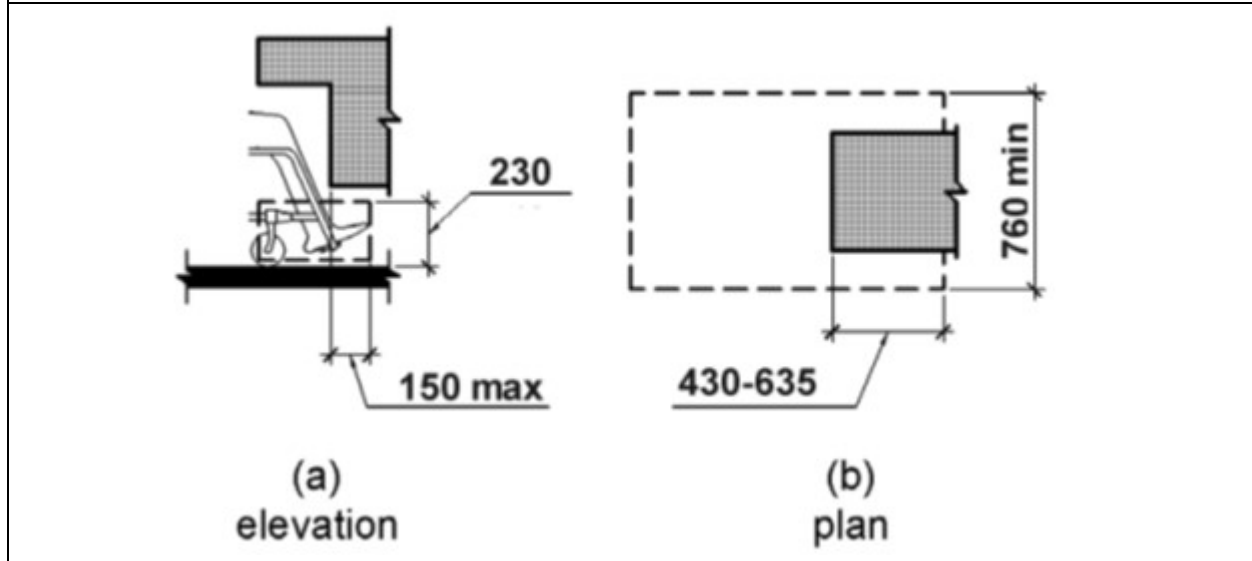


Figure 5: Knee clearance

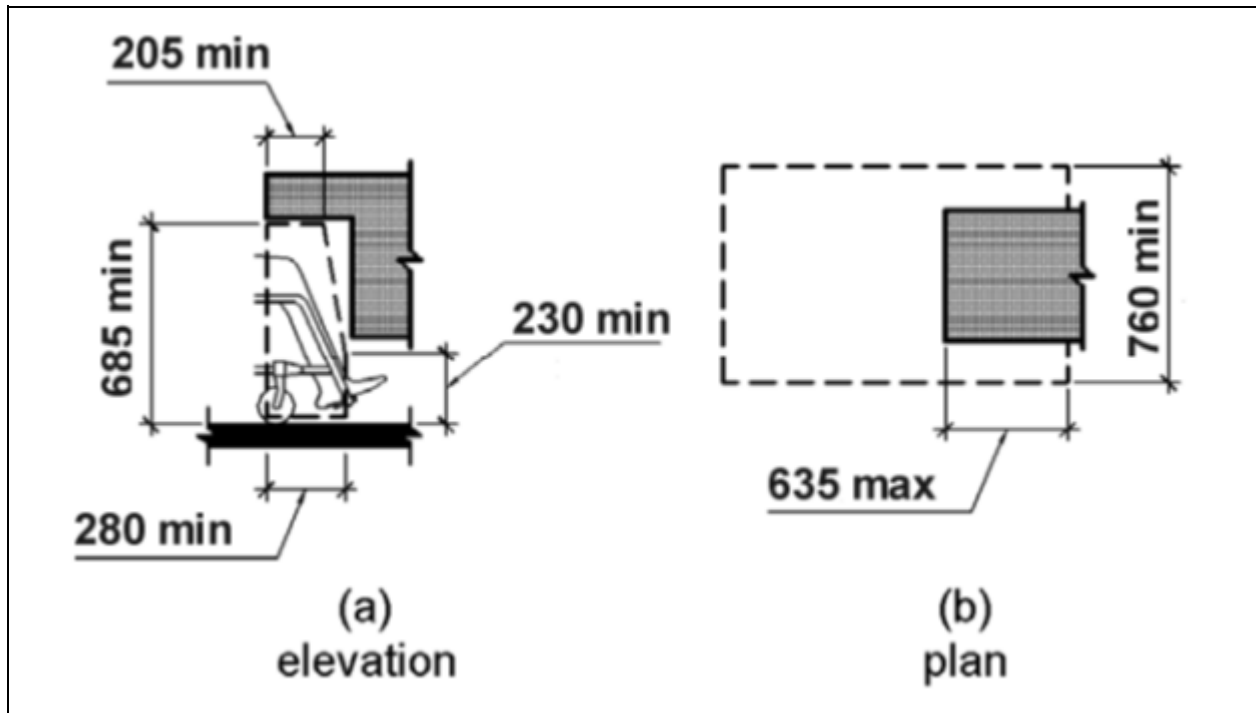


Figure 6: Unobstructed side reach

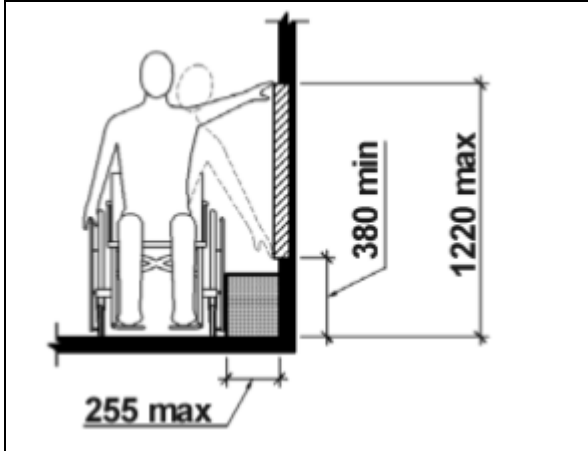


Figure 7: Obstructed high side reach

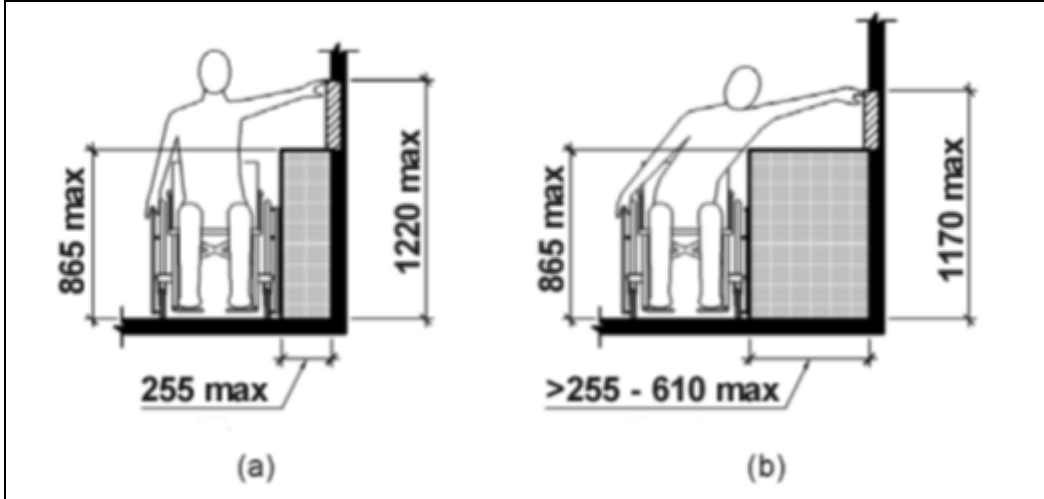


Figure 8: Vertical change in level

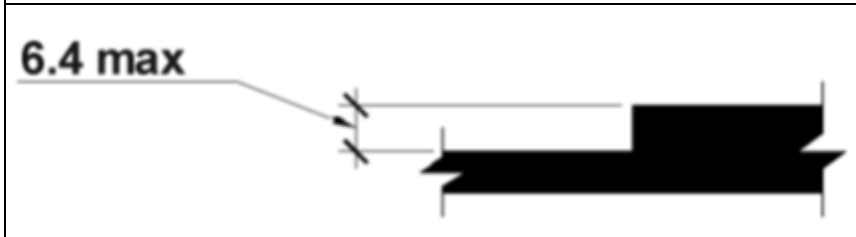


Figure 9: Bevelled change in level

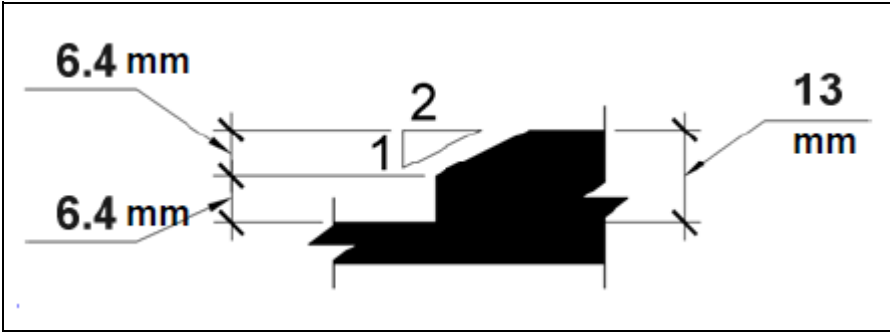


Figure 10: Clear floor or ground space

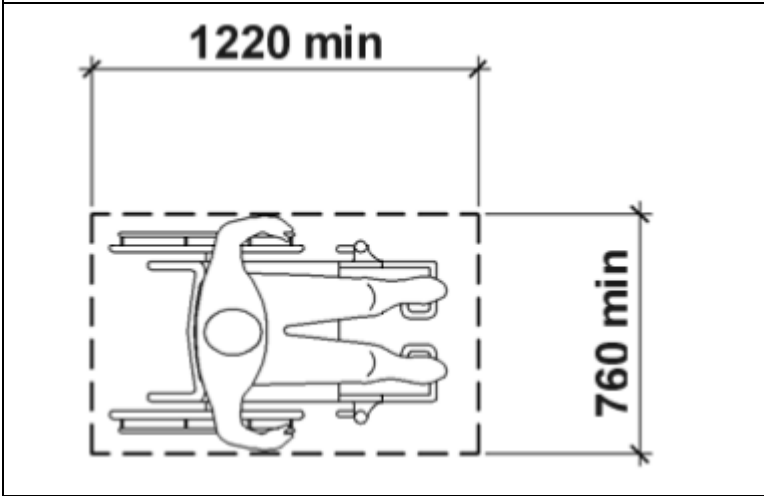


Figure 11: Manoeuvring Clearance in an Alcove, Forward Approach

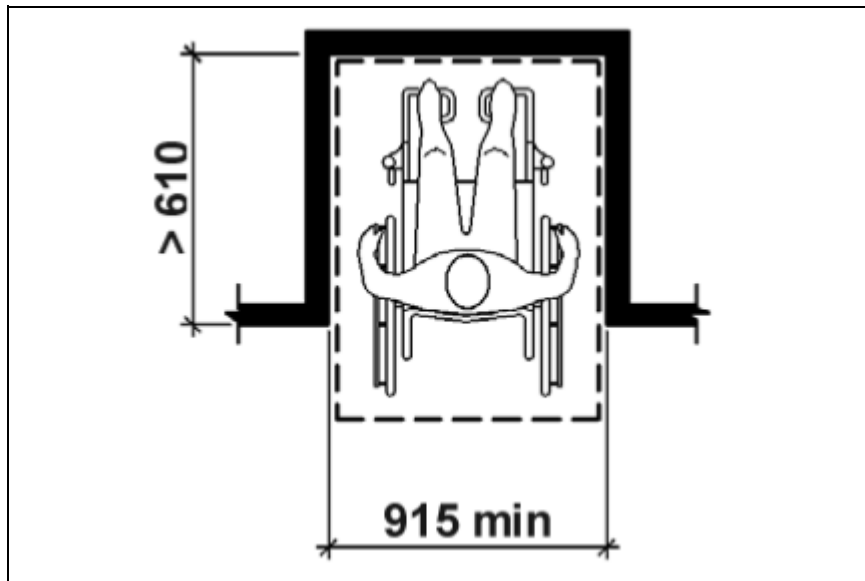


Figure 12: Manoeuvring Clearance in an Alcove, Parallel Approach

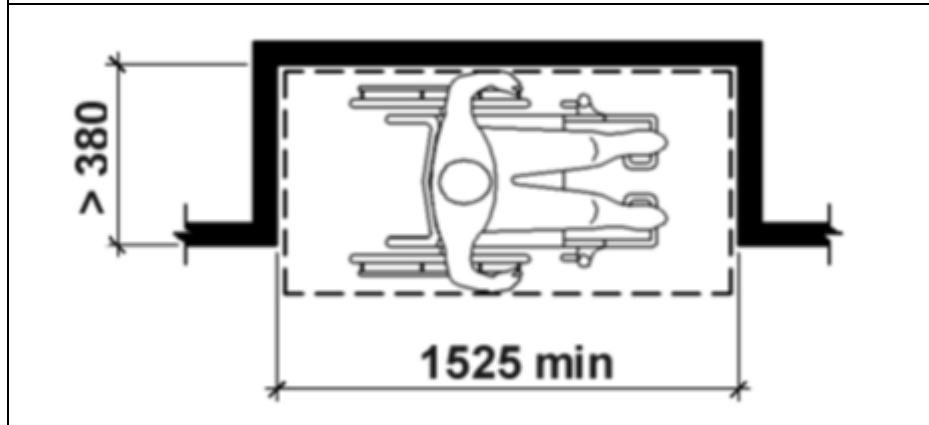


Table 9.1: WCAG 2.1 Level AAA Success Criteria

No.	Guideline	Success Criterion Number	Success Criteria Name
1	Time-based media	1.2.6	Sign Language (Prerecorded)
2	Time-based media	1.2.7	Extended Audio Description (Prerecorded)
3	Time-based media	1.2.8	Media Alternative (Prerecorded)
4	Time-based media	1.2.9	Audio-only (Live)
5	Adaptable	1.3.6	Identify Purpose
6	Distinguishable	1.4.6	Contrast (Enhanced)
7	Distinguishable	1.4.7	Low or No Background Audio
8	Distinguishable	1.4.8	Visual Presentation
9	Distinguishable	1.4.9	Images of Text (No Exception)
10	Keyboard Accessible	2.1.3	Keyboard (No Exception)
11	Enough time	2.2.3	No Timing
12	Enough time	2.2.4	Interruptions
13	Enough time	2.2.5	Re-authenticating
14	Enough time	2.2.6	Timeouts
15	Seizures and physical reactions	2.3.2	Three Flashes
16	Seizures and physical reactions	2.3.3	Animation from Interactions
17	Navigable	2.4.8	Location
18	Navigable	2.4.9	Link Purpose (Link Only)
19	Navigable	2.4.10	Section Headings
20	Input modalities	2.5.5	Target Size
21	Input modalities	2.5.6	Concurrent Input Mechanisms
22	Readable	3.1.3	Unusual Words
23	Readable	3.1.4	Abbreviations
24	Readable	3.1.5	Reading Level
25	Readable	3.1.6	Pronunciation
26	Predictable	3.2.5	Change on Request

No.	Guideline	Success Criterion Number	Success Criteria Name
27	Input assistance	3.3.5	Help
28	Input assistance	3.3.6	Error Prevention (All)

Annex – Chapter 14 Conformance

Conformance to the present document is achieved by meeting all the applicable requirements, these are clauses containing the word "shall". Those clauses containing the word "should" are recommendations and are not required for conformance.

All clauses except those in clause 12 are self-scoping. This means they are introduced with the phrase 'Where ICT <pre-condition>'. A requirement is met when the pre-condition is true and the corresponding test (in Annex C) is passed. When one of the pre-conditions is false the requirement is not applicable. Consequently, the result of the tests in Annex C can be: not applicable, pass, fail, or (in exceptional circumstances) not testable.

ICT is often comprised of an assembly of two or more items of ICT. In some cases, two or more interoperable items of ICT may together meet more requirements of the standard when one item complements the functionality of the other and the sum together meets more of the accessibility requirements. However, combining two items of ICT, both of which fail to meet any particular requirement, will not lead to a combined ICT system that meets that requirement.

The present document does not prioritize requirements.

NOTE 1: Conformance with the accessibility requirements could be affected by subsequent implementation or maintenance.

NOTE 2: Sampling is frequently required on complex ICT when there are too many instances of the object to be tested. The present document cannot recommend specific ICT evaluation sampling techniques as these are context specific.

The inherent nature of certain situations makes it impossible to make reliable and definitive statements that accessibility requirements have been met. In those situations therefore, the requirements in the present document are not applicable:

- when the product is in a failure, repair or maintenance state where the ordinary set of input or output functions are not available;
- during those parts of start-up, shutdown, and other state transitions that can be completed without user interaction.

NOTE 3: Even in the above situations, it is best practice to apply requirements in the present document wherever it is feasible and safe to do so.

Annex - References (from EN 301 549)

2.1 Normative references

References are specific, identified by date of publication and/or edition number or version number. Only the cited version applies.

Referenced documents which are not found to be publicly available in the expected location might be found at [ETSI References in docbox](#).

NOTE: While any hyperlinks included in this clause were valid at the time of publication, ETSI cannot guarantee their long-term validity.

The following referenced documents are necessary for the application of the present document.

[1] ETSI ETS 300 381 (Edition 1) (December 1994): "Telephony for hearing impaired people; Inductive coupling of telephone earphones to hearing aids".

[2] ETSI ES 200 381-1 (V1.2.1) (October 2012): "Telephony for hearing impaired people; Inductive coupling of telephone earphones to hearing aids Part 1: Fixed-line speech terminals".

[3] ETSI ES 200 381-2 (V1.1.1) (October 2012): "Telephony for hearing impaired people; Inductive coupling of telephone earphones to hearing aids; Part 2: Cellular speech terminals".

[4] W3C Recommendation (December 2008) /ISO/IEC 40500:2012: "Web Content Accessibility Guidelines (WCAG) 2.0".

NOTE: Available at [WCAG 2.0](#).

[5] W3C Proposed Recommendation (June 2018): "Web Content Accessibility Guidelines (WCAG) 2.1".

NOTE: Available at [WCAG 2.1](#).

2.2 Informative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

NOTE: While any hyperlinks included in this clause were valid at the time of publication, ETSI cannot guarantee their long-term validity.

The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

[i.1] ANSI/IEEE C63.19 (2011): "American National Standard Method of Measurement of Compatibility between Wireless Communication Devices and Hearing Aids".

[i.2] ANSI/TIA-4965: "Receive volume control requirements for digital and analogue wireline terminals".

[i.3] European Commission M 376-EN: "Standardization Mandate to CEN, CENELEC and ETSI in support of European accessibility requirements for public procurement of products and services in the ICT domain".

[i.4] ETSI EG 201 013: "Human Factors (HF); Definitions, abbreviations and symbols".

- [i.5]** ETSI ES 202 975: "Human Factors (HF); Requirements for relay services".
- [i.6]** ETSI ETS 300 767: "Human Factors (HF); Telephone Prepayment Cards; Tactile Identifier".
- [i.7]** ETSI/CEN/CENELEC TR 101 550: "Documents relevant to EN 301 549 "Accessibility requirements suitable for public procurement of ICT products and services in Europe"".
- [i.8]** ETSI/CEN/CENELEC TR 101 551: "Guidelines on the use of accessibility award criteria suitable for public procurement of ICT products and services in Europe".
- [i.9]** ETSI TR 102 612: "Human Factors (HF); European accessibility requirements for public procurement of products and services in the ICT domain (European Commission Mandate M 376, Phase 1)".
- [i.10]** ETSI TS 126 114: "Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS); Multimedia telephony; Media handling and interaction (3GPP TS 26.114)".
- [i.11]** ETSI TS 122 173: "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Core Network Subsystem (IMS) Multimedia Telephony Service and supplementary services; Stage 1 (3GPP TS 22.173)".
- [i.12]** ETSI TS 134 229: "Universal Mobile Telecommunications System (UMTS); LTE; Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification (3GPP TS 34.229)".
- [i.13]** IETF RFC 4103 (2005): "RTP Payload for Text Conversation".
- [i.14]** ISO/IEC 17007:2009: "Conformity assessment - Guidance for drafting normative documents suitable for use for conformity assessment".
- [i.15]** ISO 9241-11:2018: "Ergonomics of human-system interaction - Part 11: Usability: Definitions and concepts".
- [i.16]** ISO 9241-110:2006: "Ergonomics of human-system interaction - Part 110: Dialogue principles".
- [i.17]** ISO 9241-171:2008: "Ergonomics of human-system interaction - Part 171: Guidance on software accessibility".
- [i.18]** Void.
- [i.19]** ISO/IEC 13066-1:2011: "Information technology - Interoperability with assistive technology (AT) - Part 1: Requirements and recommendations for interoperability".
- [i.20]** Recommendation ITU-T E.161 (2001): "Arrangement of digits, letters and symbols on telephones and other devices that can be used for gaining access to a telephone network".
- [i.21]** Recommendation ITU-T G.722 (1988): "7 kHz audio-coding within 64 kbit/s".
- [i.22]** Recommendation ITU-T G.722.2 (2003): "Wideband coding of speech at around 16 kbit/s using Adaptive Multi-Rate Wideband (AMR-WB)".
- [i.23]** Recommendation ITU-T V.18 (2000): "Operational and interworking requirements for DCEs operating in the text telephone mode".
- [i.24]** TIA-1083-A (2010): "Telecommunications; Telephone Terminal equipment; Handset magnetic measurement procedures and performance requirements".
- [i.25]** Section 508 of the United States Rehabilitation Act of 1973, revised 2017.

NOTE: Available at <https://www.section508.gov/manage/laws-and-policies>.

[i.26] W3C Working Group Note 5 September 2013: "Guidance on Applying WCAG 2.0 to Non-Web Information and Communications Technologies (WCAG2ICT)".

NOTE: Available at <http://www.w3.org/TR/wcag2ict/>.

[i.27] M 554 Commission Implementing Decision C(2017)2585 of 27.4.2017 on a standardisation request to the European standardisation organisations in support of Directive (EU) 2016/2102 of the European Parliament and of the Council on the accessibility of the websites and mobile applications of public sector bodies.

[i.28] Directive (EU) 2016/2102 of the European Parliament and of the Council of 26 October 2016 on the accessibility of the websites and mobile applications of public sector bodies.

[i.29] ETSI/CEN/CENELEC EN 301 549 (V2.1.2) (August 2018): "Accessibility requirements for ICT products and services".

[i.30] ETSI/CEN/CENELEC TR 101 552: "Guidance for the application of conformity assessment to accessibility requirements for public procurement of ICT products and services in Europe".

[i.31] ISO/IEC TS 20071-25:2017: "Information technology - User interface component accessibility - Part 25: Guidance on the audio presentation of text in videos, including captions, subtitles and other on-screen text".

[i.32] W3C Recommendation (September 2015): "Authoring Tool Accessibility Guidelines (ATAG) 2.0".

NOTE: Available at <http://www.w3.org/TR/ATAG20/>.

[i.33] W3C Recommendation (September 2015): "User Agent Accessibility Guidelines (UAAG) 2.0".

NOTE: Available at <http://www.w3.org/TR/UAAG20/>.

[i.34] ISO 21542:2011: "Building construction - Accessibility and usability of the built environment".

[i.35] ISO/IEC Guide 71:2014: "Guide for addressing accessibility in standards".

[i.36] Recommendation ITU-T T.140 (1988): "Protocol for multimedia application text conversation".

[i.37] Recommendation ITU-T F.703 (2000): "Multimedia conversational services".

[i.38] W3C WebSchemas/Accessibility 2.0.

NOTE: Available at <https://www.w3.org/wiki/WebSchemas/Accessibility>.

[i.39] Void.

[i.40] Directive 2014/24/EU of the European Parliament and of the Council of 26 February 2014 on public procurement and repealing Directive 2004/18/EC.

Annex – Definition of terms, symbols and abbreviations (from EN 301 549)

3.1 Terms

For the purposes of the present document, the terms given in ETSI EG 201 013 [i.4] and the following apply:

accessibility: extent to which products, systems, services, environments and facilities can be used by people from a population with the widest range of user needs, characteristics and capabilities, to achieve identified goals in identified contexts of use (from ISO 9241-11:2018 [i.15])

NOTE 1: Context of use includes direct use or use supported by assistive technologies.

NOTE 2: The context in which the ICT is used may affect its overall accessibility. This context could include other products and services with which the ICT may interact.

access space: space intended to be occupied by the person, including their Assistive Technology, while they are using the product

Assistive Listening Devices (ALDs): devices that help separate the sounds, particularly speech, that a person wants to hear from background noise by bringing sound directly into the ear

NOTE: These are often found in meetings and public venues such as plays, concerts and places of worship. They can also be used at home with televisions and other products with auditory output.

Assistive Technology (AT): equipment, product system, hardware, software or service that is used to increase, maintain or improve capabilities of individuals (from ISO/IEC Guide 71:2014 [i.35])

NOTE 1: Assistive technology is an umbrella term that is broader than assistive products.

NOTE 2: Assistive technology can include assistive services, and professional services needed for assessment, recommendation and provision.

NOTE 3: Where ICT does not support directly connected assistive technology, but which can be operated by a system connected over a network or other remote connection, such a separate system (with any included assistive technology) can also be considered assistive technology. This is an additional note, not included in ISO/IEC Guide 71:2014 [i.35].

audio description: additional audible narrative, interleaved with the dialogue, which describes the significant aspects of the visual content of audio-visual media that cannot be understood from the main soundtrack alone

NOTE: This is also variously described using terms such as "video description" or variants such as "descriptive narration".

authoring tool: software that can be used to create or modify content

NOTE 1: An authoring tool may be used by a single user or multiple users working collaboratively.

NOTE 2: An authoring tool may be a single stand-alone application or be comprised of collections of applications.

NOTE 3: An authoring tool may produce content that is intended for further modification or for use by end-users.

caption: synchronized visual and/or text alternative for both speech and non-speech audio information needed to understand the media content (after WCAG 2.1 [5])

NOTE: This is also variously described using terms such as "subtitles" or variants such as "subtitles for the deaf and hard-of-hearing".

closed functionality: functionality that is limited by characteristics that prevent a user from attaching, installing or using assistive technology

content: information and sensory experience to be communicated to the user by means of software, including code or mark-up that defines the content's structure, presentation, and interactions (after WCAG2ICT [i.26])

NOTE: Content occurs in three places: web pages, documents and software. When content occurs in a web page or a document, a user agent is needed in order to communicate the content's information and sensory experience to the user. When content occurs in software, a separate user agent is not needed in order to communicate the content's information and sensory experience to the user - the software itself performs that function.

context of use: combination of users, goals and tasks, resources, and environment. (from ISO 9241-11:2018 [i.15])

NOTE: The "environment" in a context of use includes the technical, physical, social, cultural and organizational environments.

document: logically distinct assembly of content (such as a file, set of files, or streamed media) that functions as a single entity rather than a collection, that is not part of software and that does not include its own user agent (after WCAG2ICT [i.26])

NOTE 1: A document always requires a user agent to present its content to the user.

NOTE 2: Letters, e-mail messages, spreadsheets, books, pictures, presentations, and movies are examples of documents.

NOTE 3: Software configuration and storage files such as databases and virus definitions, as well as computer instruction files such as source code, batch/script files, and firmware, are examples of files that function as part of software and thus are not examples of documents. If and where software retrieves "information and sensory experience to be communicated to the user" from such files, it is just another part of the content that occurs in software and is covered by WCAG2ICT like any other parts of the software. Where such files contain one or more embedded documents, the embedded documents remain documents under this definition.

NOTE 4: A collection of files zipped together into an archive, stored within a single virtual hard drive file, or stored in a single encrypted file system file, do not constitute a single document when so collected together. The software that archives/encrypts those files or manages the contents of the virtual hard drive does not function as a user agent for the individually collected files in that collection because that software is not providing a fully functioning presentation of that content.

NOTE 5: Anything that can present its own content without involving a user agent, such as a self-playing book, is not a document but is software.

NOTE 6: A single document may be composed of multiple files such as the video content and closed caption text. This fact is not usually apparent to the end-user consuming the document/content.

NOTE 7: An assembly of files that represented the video, audio, captions and timing files for a movie is an example of a document.

NOTE 8: A binder file used to bind together the various exhibits for a legal case would not be a document.

NOTE 9: Documents may contain sub-documents.

embedded: directly included in the content that is downloaded to the user agent and its extension, and is intended to be used in rendering the web page

NOTE: Something that is downloaded using a mechanism on the web page but is not used in rendering the page is not "embedded" in the page.

ICT network: technology and resources supporting the connection and operation of interconnected ICT

Information and Communication Technology (ICT): technology, equipment, or interconnected system or subsystem of equipment for which the principal function is the creation, conversion, duplication, automatic acquisition, storage, analysis, evaluation, manipulation, management, movement, control, display, switching, interchange, transmission, reception, or broadcast of data or information

NOTE: Examples of ICT are web pages, electronic content, telecommunications products, computers and ancillary equipment, software including mobile applications, information kiosks and transaction machines, videos, IT services, and multifunction office machines which copy, scan, and fax documents.

mechanically operable part: operable part that has a mechanical interface to activate, deactivate, or adjust the ICT

NOTE: Examples of mechanically operable parts include scanner covers, notebook docking stations and lids as well as physical switches and latches.

mechanism for private listening: auditory output designed so that only the current user can receive the sound

NOTE: Personal headsets, directional speakers and audio hoods are examples of mechanisms for private listening.

non-text content: content that is not a sequence of characters that can be programmatically determined or where the sequence is not expressing something in human language (after WCAG 2.1 [5])

non-web document: document that is not a web page, not embedded in web pages nor used in the rendering or functioning of the page

non-web software: software that is not a web page, not embedded in web pages nor used in the rendering or functioning of the page

open functionality: functionality that supports access by assistive technology

NOTE: This is the opposite of closed functionality.

operable part: component of ICT used to activate, deactivate, or adjust the ICT

NOTE 1: Operable parts can be provided in either hardware (see mechanically operable parts, above) or software. An on-screen button is an example of an operable part provided by software.

NOTE 2: Operable parts do not include parts involved only in maintenance or repair or other actions that are not expected of a typical user if the product is not malfunctioning. These actions include: clearing paper jams internal to the machine, replacing items or parts internal to the machine that may expose the end user to sharp or hot surfaces, replacing or repairing items designated by manufacturers as service or maintenance items in user documentation.

platform software (platform): collection of software components that runs on an underlying software or hardware layer, and that provides a set of software services to other software components that allows those applications to be isolated from the underlying software or hardware layer (after ISO/IEC 13066-1 [j.19])

NOTE: A particular software component might play the role of a platform in some situations and a client in others.

programmatically determinable: able to be read by software from developer-supplied data in a way that other software, including assistive technologies, can extract and present this information to users in different modalities

NOTE: WCAG 2.1 uses "determined" where this definition uses "able to be read" (to avoid ambiguity with the word "determined").

Real-Time Text (RTT): form of a text conversation in point to point situations or in multipoint conferencing where the text being entered is sent in such a way that the communication is perceived by the user as being continuous

NOTE 1: Users will perceive communication as continuous if the delay between text being created by the sender and received by the recipient is less than 500 ms. However, the actual delay will be dependent on the communication network.

NOTE 2: The creation of text will differ between systems where text is entered on a word-by-word basis (e.g. speech-to-text and predictive-text based systems) and systems where each character is separately generated (e.g. typing on a physical keyboard).

satisfies a success criterion: success criterion does not evaluate to "false" when applied to the ICT (after WCAG 2.1 [5])

single user connection: connection that consists of sound, RTT or video (or a combination of two or three of those media) that is established by a single user action

NOTE: Even though the different media may travel over different channels, and more than one piece of hardware may be involved, it appears to the user like a single connection, and is treated by any intermediate technologies (e.g. network, auto-reception) as a single connection for purposes such as transfer.

spoken captions/subtitles audio captions/subtitles: captions/subtitles that are voiced over the audiovisual content (from ISO/IEC TS 20071-25 [i.31])

stationary ICT: ICT that stands on the floor, or is mounted on a wall or other immovable structure, and is not intended to be moved by its user

NOTE 1: Typically, stationary ICT rests on the ground (such as an information kiosk) or is installed in a wall (such as a machine that dispenses cash or performs other banking services).

NOTE 2: A manufacturer cannot control the height of ICT that is put on a table by someone else, but they are able to control the reach dimensions of self-contained ICT that rests on the ground and can specify the heights for installation in walls.

terminal: combination of hardware and/or software with which the end user directly interacts and that provides the user interface

NOTE 1: The hardware may consist of more than one device working together e.g. a mobile device and a computer.

NOTE 2: For some systems, the software that provides the user interface may reside on more than one device such as a telephone and a server.

turn-taking: type of organization in conversation and discourse where participants speak one at a time in alternating turns

user agent: software that retrieves and presents content for users (after WCAG 2.1 [5])

NOTE 1: Software that only displays the content contained within it is treated as software and not considered to be a user agent.

NOTE 2: An example of software that is not a user agent is a calculator application that does not retrieve the calculations from outside the software to present it to a user. In this case, the calculator software is not a user agent, it is simply software with a user interface.

NOTE 3: Software that only shows a preview of content such as a thumbnail or other non-fully functioning presentation is not providing user agent functionality.

user interface: all components of an interactive system (software or hardware) that provide information and/or controls for the user to accomplish specific tasks with the interactive system (from ISO 9241-110 [i.16])

user interface element: entity of the user interface that is presented to the user by the software (after ISO 9241-171 [i.17])

NOTE 1: This term is also known as "user interface component".

NOTE 2: User-interface elements can be interactive or not.

web content: content that belongs to a web page, and that is used in the rendering or that is intended to be used in the rendering of the web page

web page: non-embedded resource obtained from a single URI using HTTP plus any other resources that are used in the rendering or intended to be rendered together with it by a user agent (after WCAG 2.1 [5])

3.2 Symbols

Void

3.3 Abbreviations

For the purposes of the present document, the following abbreviations apply:

ANSI American National Standards Institute

AT Assistive Technology

ATAG Authoring Tool Accessibility Guidelines (of W3C)

CEN Comité Européen de Normalisation (no English Term)

CSS Cascading Style Sheets

DOM Document Object Model

EFTA European Free Trade Area

EU European Union

FPS Frames Per Second

FXML XML-based user interface markup language

HTML HyperText Markup Language

HTTP HyperText Transfer Protocol

ICT Information and Communication Technology

IETF Internet Engineering Task Force

IMS IP Multimedia System

IP Internet Protocol

ISO International Organization for Standardization

ITU-T International Telecommunication Union - Telecommunication standardization sector

JWG Joint Working Group (of CEN/CENELEC/ETSI)
LED Light Emitting Device
ODF Open Document Format
OOXML Office Open eXtensible Markup Language
PSTN Public Switched Telephone Network
QVGA Quarter Video Graphics Array
RFC Request For Comment
RTT Real-Time Text
SIP Session Initiation Protocol
UAAG User Agent Accessibility Guidelines (of W3C)
URI Uniform Resource Identifier
USB Universal Serial Bus
VGA Video Graphics Array
VOIP Voice Over IP
W3C World Wide Web Consortium
WAI Web Accessibility Initiative
WCAG Web Content Accessibility Guidelines (of W3C)
WLAN Wireless Local Access Network
XML eXtensible Markup Language
XUL XML User interface Language

Annex - Practical guidance for accessible non-web documentation

In WCAG “success criteria” are all technology agnostic. The requirements for non-web documents are based on the WCAG 2.1 level AA requirements, which means all level A and AA criteria relevant to documents must be met.

The W3C publishes [sufficient techniques](#) to meet WCAG success criteria, including techniques for non-web document formats such as PDF. Using a given technique is considered “sufficient” to meet the criteria relevant to the technique, but you can also meet the criteria in other ways.

Shared Services Canada has created a set of guides for producing accessible documents in Microsoft Office:

- [How to create accessible documents](#)

Various software vendors and organizations offer supplementary material that provides instructions for making documents accessible:

- [Adobe PDF accessibility](#)
- [Accessible Digital Office Document \(ADOD\) Project](#)
- [Microsoft Accessibility Checker](#)
- [Webaim: Microsoft Word Techniques](#)
- [Webaim: PDF Techniques](#)
- [Canada.ca Content Style Guide](#)
- [Google Docs – Make your document or presentation accessible](#)
- [Web Accessibility Perspectives - Compilation of 10 Topics/Videos](#)
- [18F Web Accessibility Guide](#)
- [University of Washington Accessible Document Guides](#)

NOTE: Following the guidance given in the links above does not guarantee compliance with WCAG 2.1. Links are provided for reference only.