# Generic Assistive Technology and Information Technology (AT/IT) Environment List Version 2.2, November 9, 2016

This AT/IT list includes the operating systems, browsers, and assistive technologies that need to be taken into account when testing IT systems for accessibility. It describes what is likely to be used; it is not meant to be a recommendation for procuring new AT/IT.

Commonwealth, vendor, and third-party testers must ensure IT systems work with at least the most current versions of the technologies on this list.

The list is a requirement of the IT Acquisition Accessibility Compliance Program and is referenced in its required contract language and should be included in the Request for Quotes (RFQ) or Request for Response (RFR). If this list is modified to meet the specific needs of a project, the reason should be described in the RFQ or RFR and the modified list must be included in the solicitation. Modifications could include, for example, adding older versions for a system with a lot of users or limiting the list for a mobile device-only application.

This list shows the most recent versions for listed software at the time of publication, followed by a plus sign (“+”) to indicate that versions released subsequently should be considered.

## Updates

|  |  |  |
| --- | --- | --- |
| **Revision date** | **Version** | **Updates** |
| September 10, 2009 | Version 1.1 | Software versions updated |
| April 23, 2010 | Version 1.2 | Software versions updated |
| May 24, 2011 | Version 1.3 | Software versions updated |
| February 10, 2012 | Version 1.4 | Software versions updated |
| March 12, 2013 | Version 2.0 | Added mobile platforms, operating systems, and related assistive technologies;  software versions updated |
| February 27, 2015 | Version 2.1 | Software versions updated |
| November 9, 2016 | Version 2.2 | Software versions updated; removed non-browser desktop applications |

## Operating Systems

### Computers

Table : Computer Operating Systems

|  |  |  |  |
| --- | --- | --- | --- |
| Operating System | GUI Desktops | Supported Versions | Vendor |
| Apple OS X | Macintosh /  X-Windows | 10.10 - 10.12 + | Apple  <http://www.apple.com/macos/> |
| Microsoft Windows | Windows | 7 - 10 + | Microsoft  <http://www.microsoft.com/windows/> |
| Linux - Red Hat - Desktop | KDE, GNOME, XGL/Compiz | 6 - 7 + | Redhat  <https://www.redhat.com/en/resources/rhel-desktop-datasheet> |
| Linux - SUSE - Desktop | KDE, GNOME, XGL/Compiz | 11 -12 + | SUSE  <http://www.suse.com/products/desktop> |
| Linux - Ubuntu - Desktop | KDE, GNOME, XGL/Compiz | 14.04 - 16.10 + | Ubuntu  <http://www.ubuntu.com/business/desktop> |

### Mobile

Table : Mobile Operating Systems

| Operating System | Supported Versions | AT Included in Mobile OS | Vendor |
| --- | --- | --- | --- |
| Android OS | 4.4 - 6.0 + | TalkBack, text sizing, magnifier, color adjustment, Text-to-speech, Flash notification, TTY mode | Google  <https://www.android.com/history/> |
| Apple iOS | 8 - 10 + | VoiceOver, Zoom, Siri, Speak Screen, Dictation | Apple  <http://www.apple.com/iphone/ios/> |
| Microsoft Windows Mobile | 10 + | Narrator, Cortana, high contrast, text sizing, Screen magnifier, Speech | Microsoft  <https://www.microsoft.com/en/mobile/windows10/> |

## Desktop Browsers by Operating System

### Linux

Table : Linux Desktop Browsers

| Application Type | Application Name | Versions Supported | Vendor |
| --- | --- | --- | --- |
| Browser | Firefox | Ongoing updates; use latest | Mozilla  <http://www.mozilla.com/en-US/firefox/> |
| Browser | Opera | Ongoing updates; use latest | Opera  <http://www.opera.com/computer/linux> |
| Browser | Chrome | Ongoing updates; use latest | Google  <https://www.google.com/intl/en/chrome/browser/desktop/index.html> |

### Macintosh

Table : Macintosh Desktop Browsers

| Application Type | Application Name | Versions Supported | Vendor |
| --- | --- | --- | --- |
| Browser | Safari | 9.1.3 - 10.0.0 + | Apple  <http://www.apple.com/safari/> |
| Browser | Firefox | Ongoing updates; use latest | Mozilla  <http://www.mozilla.com/en-US/firefox/> |
| Browser | Opera | Ongoing updates; use latest | Opera  <http://www.opera.com/computer/mac> |
| Browser | Chrome | Ongoing updates; use latest | Google  <https://www.google.com/intl/en/chrome/browser/desktop/index.html> |

### Windows

Table : Windows Desktop Browsers

| Application Type | Application Name | Versions Supported | Vendor |
| --- | --- | --- | --- |
| Browser | Edge | Ongoing updates; use latest | Microsoft  <https://www.microsoft.com/en-us/windows/microsoft-edge> |
| Browser | Internet Explorer | 9 - 11 | Microsoft  <http://windows.microsoft.com/en-US/internet-explorer/products/ie/home> |
| Browser | Firefox | Ongoing updates; use latest | Mozilla  <http://www.mozilla.com/en-US/firefox/> |
| Browser | Opera | Ongoing updates; use latest | Opera  <http://www.opera.com/computer/windows> |
| Browser | Chrome | Ongoing updates; use latest | Google  <https://www.google.com/intl/en/chrome/browser/desktop/index.html> |

## Mobile Browsers by Operating System

### Apple iOS

Table : Apple iOS Mobile Browsers

|  |  |  |  |
| --- | --- | --- | --- |
| Application Type | Application Name | Versions Supported | Vendor |
| Browser | Chrome | Ongoing updates; use latest | Google  <https://www.google.com/intl/en/chrome/browser/mobile/index.html> |
| Browser | Opera Mini | 12 - 14 + | Opera  <http://www.opera.com/mobile> |
| Browser | Safari | As released with iOS | Apple  <http://www.apple.com/safari/> |

### Android

Table : Android Mobile Browsers

| Application Type | Application Name | Versions Supported | Vendor |
| --- | --- | --- | --- |
| Browser | Chrome | Ongoing updates; use latest | Google  <https://www.google.com/intl/en/chrome/browser/mobile/index.html> |
| Browser | Opera Android | ”Varies with device”; use latest | Opera  <http://www.opera.com/mobile/operabrowser> |
| Browser | Opera | Ongoing updates; use latest | Opera  <http://www.opera.com/mobile> |
| Browser | Firefox | Ongoing updates; use latest | Mozilla  <https://www.mozilla.org/en-US/firefox/android/> |

### Windows Mobile

Table : Windows Mobile Browsers

| Application Type | Application Name | Versions Supported | Vendor |
| --- | --- | --- | --- |
| Browser | Edge | Ongoing updates; use latest | Microsoft  <https://www.microsoft.com/en-us/windows/microsoft-edge> |
| Browser | Opera Mini | Ongoing updates; use latest | Opera  <http://www.opera.com/mobile> |

## Independent Assistive Technologies (AT) by platform

### Linux

Table : Linux Assistive Technologies

| AT Type | AT Name | Versions Supported | Vendor |
| --- | --- | --- | --- |
| Screen Reader | Orca | As released with GNOME | GNOME Project  <https://wiki.gnome.org/Projects/Orca> |

### Macintosh

Table : Macintosh Assistive Technologies

| AT Type | AT Name | Versions Supported | Vendor |
| --- | --- | --- | --- |
| Braille Translation and Embossing | Duxbury Braille Translator | 11.2 - 12.1 + | Duxbury Systems  <http://www.duxburysystems.com/dbt_Mac_main.asp?f3=USA> |
| Screen Reader | VoiceOver | As released with OSX | Apple  <http://www.apple.com/accessibility/voiceover/> |
| Screen Magnification | ZoomText | 1.1.5 - 1.2 + | AI Squared  <http://www.aisquared.com/zoomtextmac> |
| Voice Recognition | Dragon Dictate | 4 - 6 + | Nuance  <http://www.nuance.com/for-individuals/by-product/dragon-for-mac/index.htm> |

### Windows

Table : Windows Assistive Technologies

| AT Type | AT Name | Versions Supported | Vendor |
| --- | --- | --- | --- |
| Braille Translation and Embossing | Duxbury Braille Translator | 10.8 - 11.3 + | Duxbury Systems  <http://www.duxburysystems.com/dbt.asp> |
| Screen Reader | JAWS for Windows | 14 - 17 + | Freedom Scientific  <http://www.freedomscientific.com/products/fs/jaws-product-page.asp> |
| Screen Reader | Window-Eyes | 9 - 10 + | AI Squared (was GW Micro)  <http://www.aisquared.com/products/window-eyes/> |
| Screen Reader | NVDA | 2014.1 - 2015.4 + | NV Access  <http://www.nvda-project.org/> |
| Screen Reader | Narrator | As released with Windows 10 | Microsoft  <https://support.microsoft.com/en-us/help/22798/windows-10-narrator-get-started> |
| Screen Magnification | ZoomText | 9.0 - 10.1 + | AI Squared  <http://www.aisquared.com/zoomtext/> |
| Screen Magnification | MAGic | 12 - 13 + | Freedom Scientific  <http://www.freedomscientific.com/fs_products/software_magic.asp> |
| Text to Speech | Kurzweil 1000 | 13 - 14 + | Kurzweil Education  <https://www.kurzweiledu.com/products/kurzweil-1000-v14-windows.html> |
| Voice Recognition | Dragon Naturally Speaking Professional | 14 - 15 + | Nuance  <http://www.nuance.com/for-business/by-product/dragon/dragon-for-the-pc/dragon-professional/index.htm> |

### Apple iOS

Table : Apple iOS Assistive Technologies

| AT Type | AT Name | Versions Supported | Vendor |
| --- | --- | --- | --- |
| Voice Recognition | Dragon Go! | 1.0 + | Nuance  <http://www.nuance.com/for-individuals/mobile-applications/dragon-go/index.htm> |

### Android

Table : Android Assistive Technologies

| AT Type | AT Name | Versions Supported | Vendor |
| --- | --- | --- | --- |
| Screen Reader | Mobile Accessibility | 1 - 2 + | Code Factory  <http://codefactoryglobal.com/app-store/mobile-accessibility/> |
| Voice Recognition | Dragon Mobile Assistant | 4 - 5.9 + | Nuance  <http://www.nuance.com/for-individuals/mobile-applications/dragon-mobile-assistant/index.htm> |