

Voluntary Product Accessibility Template

Date: 21 January 2015

Product Name: ERDAS IMAGINE and other ERDAS Software Products, inclusive when the term ERDAS IMAGINE is used. This applies only to products developed and manufactured by Intergraph Corporation.

Product Version Number: IMAGINE 2015

Vendor Company Name: Intergraph Corporation

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Vendor Contact Telephone: 256-730-1214

Intergraph Corporation. ("Intergraph") confirms that the current versions of our Image Processing Suite and Photogrammetry Suite are not 100% compliant with section 508 although there are areas of compliance as noted in the tables below. Intergraph intends to comply where possible and within the scope of the technology with future generations of the software. Currently, our imaging competitors do not have this capability and the adaptation of our software has not been the top priority, but Intergraph is committed to considering whatever steps are necessary to provide the best service to non-defense Federal clients.

It is important to note that the science of digital image processing does not lend itself to compliance to certain 508 standards, particularly where color, contrast or brightness selections directly relate to information. Our products have been developed for cartographic and photogrammetric use. They are commercially available and while they contain available tools to help increase screen sizes, fonts, etc., they contain no specific adaptive tools for the disabled; however some functionality is inherent within the program and other functionality may prove easy to add, thus bringing our products more into compliance with 508. We anticipate further accessibility components will be included in our 2010 release.

As a result of the VPAT we tested the ease of using the programs for individuals who are confined to wheelchairs and discovered there is no special equipment or adaptive technology needed. Because audio is not a significant feature of our software those with hearing loss would still be able to use the software easily. Obviously the visual component is a problem for the visually impaired. Likewise, we have made no test on the compatibility of our software to respond to voice commands. We have identified areas to study in order to determine our level of compliance and to what extent we may be able to adapt the software to meet 508 standards.

Product Management and Engineering teams may use the VPAT template to initiate in-house testing. If the size of the task requires it, Intergraph will consider the option of hiring outside resources to study the software and determine the effort and cost needed to add some degree of adaptive technology to future releases.

APPENDIX A: Suggested Language Guide

Summary Table Voluntary Product Accessibility Template		
<i>Criteria</i>	Supporting Features	Remarks and explanations
Section 1194.21 Software Applications and Operating Systems	Supports with Exceptions	See Below
Section 1194.22 Web-based Internet Information and Applications	Not Applicable	
Section 1194.23 Telecommunications Products	Not Applicable	
Section 1194.24 Video and Multi-media Products	Not Applicable	
Section 1194.25 Self-Contained, Closed Products	Not Applicable	
Section 1194.26 Desktop and Portable Computers	Not Applicable	
Section 1194.31 Functional Performance Criteria	Supports with Exceptions	See Below
Section 1194.41 Information, Documentation and Support	Supports with Exceptions	See Below
Section 1194.21 Software Applications and Operating Systems - Detail Voluntary Product Accessibility Template		
<i>Criteria</i>	Supporting Features	Remarks and explanations
(a) When software is designed to run on a system that has a keyboard, product functions shall be executable	Supports with exceptions	The majority of ERDAS IMAGINE functions can be executed through sole use

<p>from a keyboard where the function itself or the result of performing a function can be discerned textually.</p>		<p>of the keyboard. However there may be some interactive functions (especially those accessed through the IMAGINE Viewer) which require the use of a mouse.</p>
<p>(b) Applications shall not disrupt or disable activated features of other products that are identified as accessibility features, where those features are developed and documented according to industry standards. Applications also shall not disrupt or disable activated features of any operating system that are identified as accessibility features where the application programming interface for those accessibility features has been documented by the manufacturer of the operating system and is available to the product developer.</p>	<p>Supports</p>	<p>There are no known reasons why ERDAS IMAGINE would conflict with accessibility features in other applications</p>
<p>(c) A well-defined on-screen indication of the current focus shall be provided that moves among interactive interface elements as the input focus changes. The focus shall be programmatically exposed so that Assistive Technology can track focus and focus changes.</p>	<p>Supports</p>	<p>Dialogs represent focus through standard Microsoft highlighting of title bar, outlining of button, etc.</p> <p>Assistive technology such as the Microsoft Magnifier follow focus changes (such as tabbing through a dialog)</p>
<p>(d) Sufficient information about a user interface element including the identity, operation and state of the element shall be available to Assistive Technology. When an image represents a program element, the information conveyed by the image must also be available in text.</p>	<p>Supports</p>	<p>All iconified buttons have bubble-help text</p>
<p>(e) When bitmap images are used to identify controls, status indicators, or other programmatic elements, the meaning assigned to those images shall be consistent throughout an</p>	<p>Supports with exceptions</p>	<p>Some icons are re-used in the software with slightly differing meaning. However the bubble-help will always clarify the</p>

application's performance.		specific meaning.
(f) Textual information shall be provided through operating system functions for displaying text. The minimum information that shall be made available is text content, text input caret location, and text attributes.	Supports with Exceptions	Text entry and display fields are created through standard Windows controllers so there should be no reason why these would not be compatible. There may however be instances, such as a rendered map, where text is no longer available for control in this manner.
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.	Supports	
(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.	Not Applicable	Animation is not used except in the IMAGINE VirtualGIS 3D presentation module, which is designed for visual 3D animation.
(i) Color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.	Supports with exceptions	In geospatial products (such as a map) use of color to represent data is the <u>only</u> viable means of presenting information in a concise fashion
(j) When a product permits a user to adjust color and contrast settings, a variety of color selections capable of producing a range of contrast levels shall be provided.	Supports	
(k) Software shall not use flashing or blinking text, objects, or other elements having a flash or blink frequency greater than 2 Hz and lower than 55 Hz.	Supports	
(l) When electronic forms are used, the form shall allow people using Assistive Technology to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues.	Supports	Most dialogs and applications support Assistive Technologies that operate with Microsoft operating systems

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Section 1194.31 Functional Performance Criteria – Detail Voluntary Product Accessibility Template

<i>Criteria</i>	Supporting Features	Remarks and explanations
(a) At least one mode of operation and information retrieval that does not require user vision shall be provided, or support for Assistive Technology used by people who are blind or visually impaired shall be provided.	Not Applicable	ERDAS IMAGINE is an image processing and geospatial processing system – disciplines which inherently require visual interpretation.
(b) At least one mode of operation and information retrieval that does not require visual acuity greater than 20/70 shall be provided in audio and enlarged print output working together or independently, or support for Assistive Technology used by people who are visually impaired shall be provided.	Supports with Exceptions	Please see the note above. However ERDAS IMAGINE does support Assistive Technologies such as the Microsoft Magnifier and, to some degree, the Narrator
(c) At least one mode of operation and information retrieval that does not require user hearing shall be provided, or support for Assistive Technology used by people who are deaf or hard of hearing shall be provided	Not Applicable	There are no audio components to ERDAS IMAGINE
(d) Where audio information is important for the use of a product, at least one mode of operation and information retrieval shall be provided in an enhanced auditory	Not Applicable	There are no audio components to ERDAS IMAGINE

fashion, or support for assistive hearing devices shall be provided.		
(e) At least one mode of operation and information retrieval that does not require user speech shall be provided, or support for Assistive Technology used by people with disabilities shall be provided.	Not Applicable	
(f) At least one mode of operation and information retrieval that does not require fine motor control or simultaneous actions and that is operable with limited reach and strength shall be provided.	Not Applicable	ERDAS IMAGINE and LPS are image processing and geospatial processing systems – disciplines which inherently require visual interpretation and fine control for taking measurements.

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**Section 1194.41 Information, Documentation and Support –
Detail
Voluntary Product Accessibility Template**

<i>Criteria</i>	Supporting Features	Remarks and explanations
(a) Product support documentation provided to	Does Not Support	All documentation is provided in digital form

end-users shall be made available in alternate formats upon request, at no additional charge		only
(b) End-users shall have access to a description of the accessibility and compatibility features of products in alternate formats or alternate methods upon request, at no additional charge.	Does Not Support	
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Supports With Exceptions	Customer support can be accessed by phone (requires speech / hearing capabilities)

APPENDIX A (of the DoS GPAT Checklist)

Suggested Language for Filling out the G PAT

In order to simplify the task of conducting market research assessments for procurement officials or customers, ITIC (Information Technology Industry Council) has developed suggested language for use when filling out a V PAT/G PAT. You may choose to employ all or some of the language below. Once you determine what language you intend to use, we recommend that use is consistent throughout all of your G PATs.

Supporting Features (Column 2 on G PAT)

Supports

Use this language when you determine the product fully meets the letter and intent of the Criteria.

Supports with Exceptions

Use this language when you determine the product does not fully meet the letter and intent of the Criteria, but provides some level of access relative to the Criteria.

Supports through Equivalent Facilitation

Use this language when you have identified an alternate way to meet the intent of the Criteria or when the product does not fully meet the intent of the Criteria.

Supports when combined with Compatible AT

Use this language when you determine the product fully meets the letter and intent of the Criteria when used in combination with Compatible AT. For example, many software programs can provide speech output when combined with a compatible screen reader (commonly used assistive technology for people who are blind).

Does not Support

Use this language when you determine the product does not meet the letter or intent of the Criteria.

Not Applicable

Use this language when you determine that the Criteria do not apply to the specific product.

Not Applicable - Fundamental Alteration Exception Applies

Use this language when you determine a Fundamental Alteration of the product would be required to meet the Criteria (see the access board standards for the definition of "fundamental alteration").

IMPACT Location:

IRM Program for Accessible Computer/Communication Technology (IMPACT)
IMPACT Outreach Center
SA3 (IRM/BPC/BC/SAS)
2121 Virginia Avenue, N.W. Suite 4170
Washington, DC 20037

Contact IMPACT:

Voice: 202.663.0216
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**** ITIC V PAT Best Practices (<http://www.itic.org/reports/508/Sec508.html>)**