

VPAT™ Section 508 Standards NeuroScript® MovAlyzeR® Version 6.1

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This Voluntary Product Accessibility Template (VPAT) is published on:
https://neuroscript.net/tutorial/VPAT_Section508_Part1194.pdf

“Voluntary Product Accessibility Template”® (VPAT) Section 508 Paragraphs 1194.xx specify the standards required for persons with various visual, auditive, tactile, or movement handicaps to use websites and software with minimal disadvantage.

In 2001, the Information Technology Industry Council partnered with the General Services Administration to create a tool that would assist Federal contracting and procurement officials in fulfilling the market research requirements specified in Section 508. The result of their collaboration were the 508 Accessibility Templates that allows NeuroScript® to document at what level the MovAlyzeR® software meets or does not meet the various Section 508 Requirements.

(<https://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-section-508-standards/section-508-standards>)

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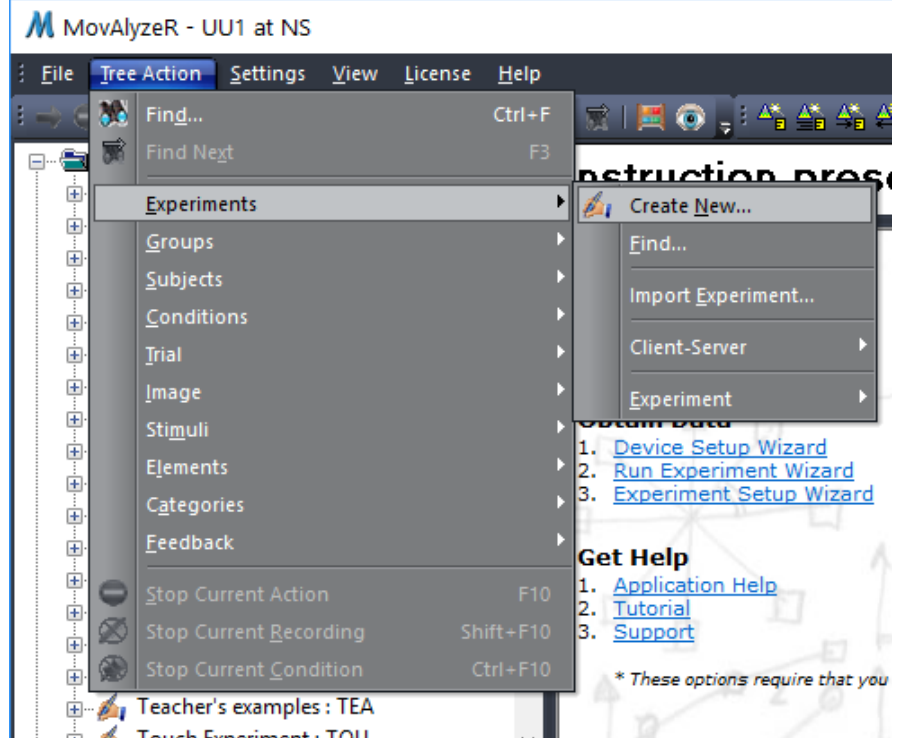
Level of Support	Description
Supported	Product FULLY meets the letter and intent of the Criteria. -- We list <u>what</u> features of the product do meet and describe <u>how</u> they are used to support the Criteria.
Supported with Exceptions	Product does not ENTIRELY meet the letter and intent of the Criteria, but does provides some level of access. -- We list <u>what</u> features of the product do meet and describe <u>how</u> they are used to support the Criteria and <u>what</u> parts of the product do not meet and describe <u>how</u> they fail to support the Criteria

Supported through Equivalent Facilitation	Product provides <i>alternative</i> methods to meet the intent of the Criteria. -- We list <u>what</u> <i>other</i> methods exist in the product and describe <u>how</u> they are used to support the Criteria.
Supported when combined with Compatible Assistive Technology	The product fully meets the letter and intent of the Criteria when used in combination with Compatible Assistive Technology. 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).
Not Supported	Product does not meet the letter or intent of the Criteria. -- We describe <u>how</u> the product does not support the Criteria. If the standard is not supported, Section 508 allows for products to meet the Access Board Standards in innovative, non-traditional ways. If there are no innovative, non-traditional ways of compliance with the standard, we provide detailed examples of how the product did not meet the standard.
Not Applicable	The Criteria does not apply to the product. -- We describe <u>why</u> this criterion is not applicable to the product.
Not Applicable -- Fundamental Alteration Exception Supplies	A Fundamental Alteration to the product would be required to meet the Criteria (see the Access Board standards”).

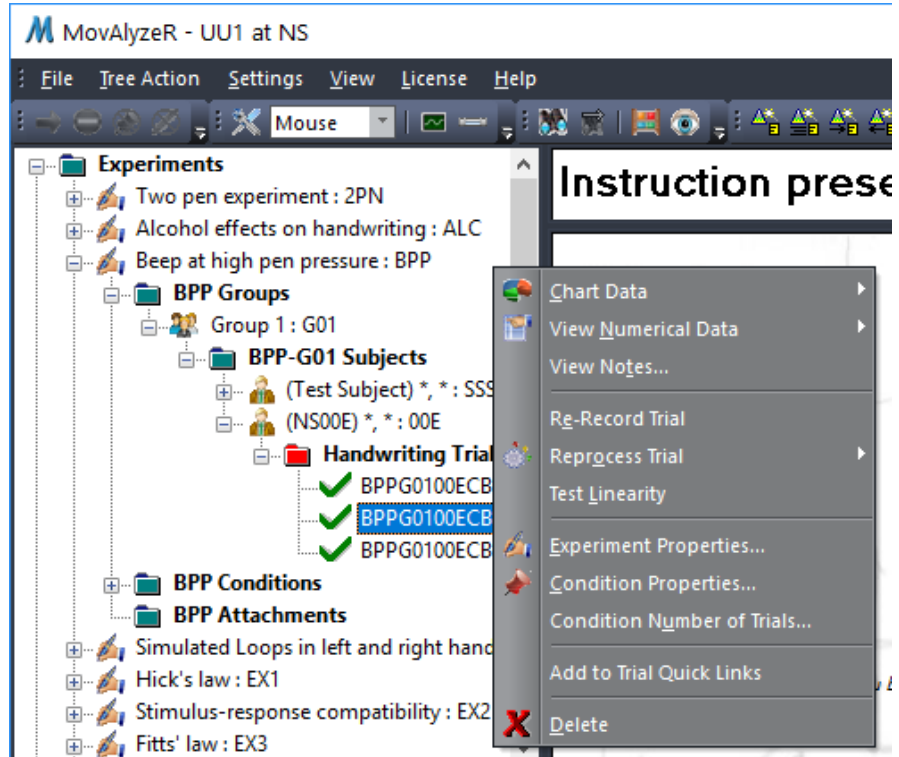
VPAT Section 508 Subpart B. §1194.21 – Software Applications and Operating Systems



Criteria	Level of Support	Remarks and explanations
(a) When software is designed to run on a system that has a keyboard, product functions shall be executable from a keyboard where the function itself or the result of performing a function can be discerned textually.	Supported	All Movalyzer6.1 functions can be controlled via the keyboard and without the mouse. Ctrl Esc (=Open MSWindows Start menu) Arrow keys (=Select program) Enter (=Click =Open MovAlyzeR) Alt T (=Click <u>T</u> ree action =Open menu) Alt E (=Click <u>E</u> xperiments = Open submenu) Alt F (=Click <u>F</u> ind) >Type particular Experiment

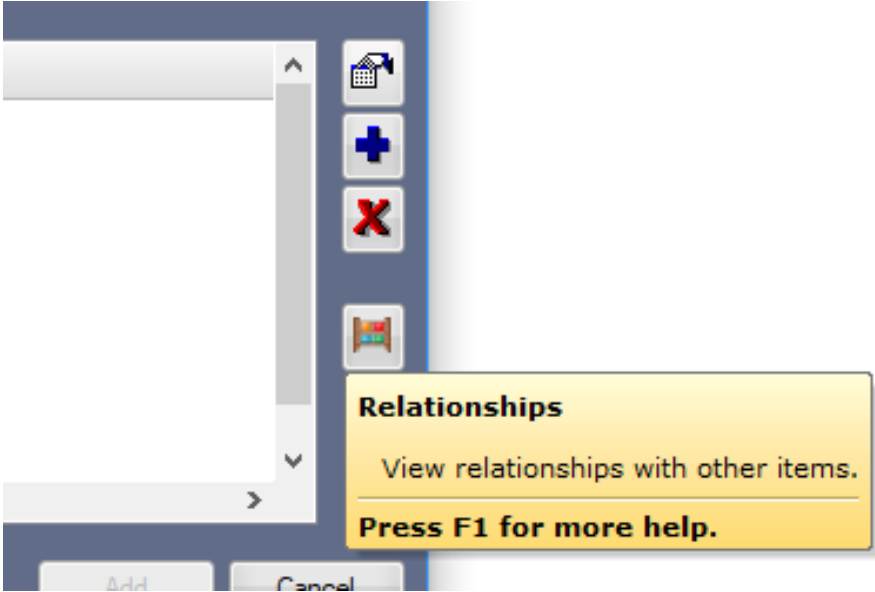
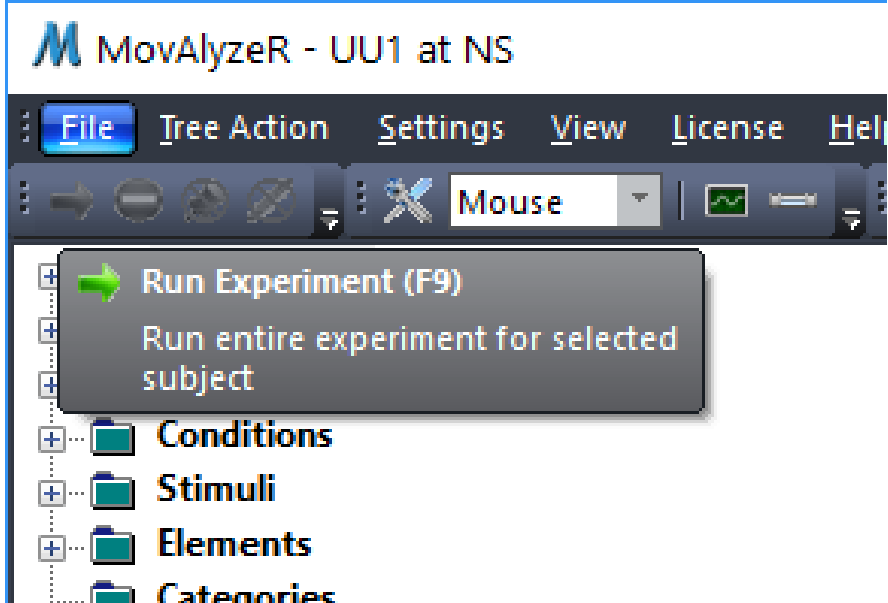
































Right arrow key (=Click =Expand experiment, groups, subjects)
 Down arrow key (=Select)
 Shift F10 (=Right click =Open menu)
 Enter (=Click =Open chart)


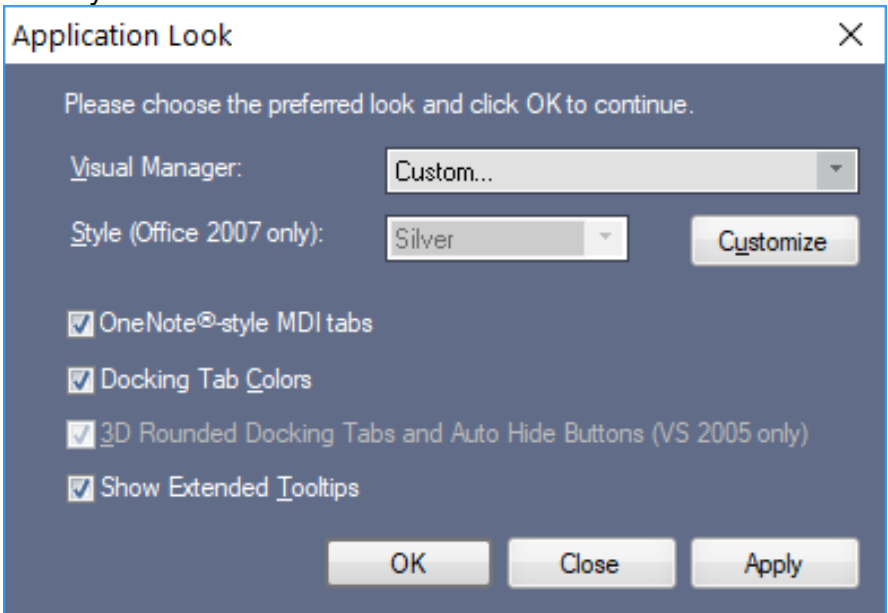


Tab (Move to next item in the list)

		Shift Tab (Move to previous item in the list) Etc.
<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>	Supported	MovAlyzeR6.1 does not affect other programs or MSWindows settings.
<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>	Supported	MovAlyzeR6.1 will highlight the object that has the focus.

<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>Supported</p>	<p>MovAlyzeR6.1 offers for each icon a tooltip when hovering with the mouse over an icon or object with short and long text plus hints to F1.</p>  <p>Tooltips can also contain hints for keyboard shortcuts.</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 application's performance.</p>	<p>Supported</p>	<p>Movavalzyer6.1 is completely modular so that dialogs and images are reused wherever the same meaning is conveyed.</p>

<p>(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.</p>	<p>Supported</p>	<p>Movalyzer6.1 uses only system characters that scale according to the user's display settings</p>										
<p>(g) Applications shall not override user selected contrast and color selections and other individual display attributes.</p>	<p>Supported</p>	<p>Movalyzer6.1 does not affect any settings of contrast, color, or any other display settings</p>										
<p>(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.</p>	<p>Supported</p>	<p>(1) Movalyzer6.1 generates real-time replay of handwriting movements as an option in addition to the static handwriting image. (2) A cross-hair can be moved across the (horizontally scrolling) screen using the left and right arrow keys in addition to the static handwriting image.</p>										
<p>(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.</p>	<p>Supported with Exceptions</p>	<p>Movalyzer6.1 uses one symbol, the checkmark (<u>See second picture, last column</u>), which differs only by color. The color differences are deemed easily distinguishable by persons with various forms of color blindness.</p> <hr/> <p>Symbol Legend</p> <table border="0"> <tr> <td> Handwriting Experiment</td> <td> Condition</td> </tr> <tr> <td> Image Experiment</td> <td> Condition (Record Only)</td> </tr> <tr> <td> Gripper Experiment</td> <td> Condition (Process Only)</td> </tr> <tr> <td> Group</td> <td> Stimulus</td> </tr> <tr> <td> Subject</td> <td> Element</td> </tr> </table>	 Handwriting Experiment	 Condition	 Image Experiment	 Condition (Record Only)	 Gripper Experiment	 Condition (Process Only)	 Group	 Stimulus	 Subject	 Element
 Handwriting Experiment	 Condition											
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<p>(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.</p>	Supported	<p>Movalyzer6.1 enables users to customize all colors</p> 
<p>(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.</p>	Supported	<p>Movalyzer6.1 generates no flashing texts, objects, or other elements.</p>
<p>(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</p>	Supported	<p>Movalyzer6.1 generates only forms for Notepad, MS Excel, and the user's default E-Mail program.</p>

form, including all directions and cues.		
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VPAT Section 508 Subpart B. §1194.22 – Web-Based Internet Information Applications



Criteria	Level of Support	Remarks and explanations
(a) A text equivalent for every non-text element shall be provided (e.g., via "alt", "longdesc", or in element content).	Not Applicable	MovAlyzeR6.1 requires no Internet access.
(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	Not Applicable	MovAlyzeR6.1 requires no Internet access.
(c) Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup.	Not Applicable	MovAlyzeR6.1 requires no Internet access.
(d) Documents shall be organized so they are readable without requiring an associated style sheet.	Not Applicable	MovAlyzeR6.1 requires no Internet access.
(e) Redundant text links shall be provided for each active region of a server-side image map.	Not Applicable	MovAlyzeR6.1 requires no Internet access.
(f) Client-side image maps shall be provided instead of server-side image maps except where the regions cannot be defined with an available geometric shape.	Not Applicable	MovAlyzeR6.1 requires no Internet access.
(g) Row and column headers shall be identified for data tables.	Not Applicable	MovAlyzeR6.1 requires no Internet access.
(h) Markup shall be used to associate data cells and header cells for data tables that have two or more logical levels of row or column headers.	Not Applicable	MovAlyzeR6.1 requires no Internet access.
(i) Frames shall be titled with text that facilitates frame identification and navigation	Not Applicable	MovAlyzeR6.1 requires no Internet access.
(j) Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	Not Applicable	MovAlyzeR6.1 requires no Internet access.
(k) A text-only page, with equivalent information or functionality, shall be provided to make a web site comply with the provisions of this part, when compliance cannot be accomplished in any other way. The content of the text-only page shall be updated whenever the primary page changes.	Not Applicable	MovAlyzeR6.1 requires no Internet access.

(l) When pages utilize scripting languages to display content, or to create interface elements, the information provided by the script shall be identified with functional text that can be read by Assistive Technology.	Not Applicable	MovAlyzeR6.1 requires no Internet access.
(m) When a web page requires that an applet, plug-in or other application be present on the client system to interpret page content, the page must provide a link to a plug-in or applet that complies with 1194.21(a) through (l).	Not Applicable	MovAlyzeR6.1 requires no Internet access.
(n) When electronic forms are designed to be completed on-line, 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.	Not Applicable	MovAlyzeR6.1 requires no Internet access.
(o) A method shall be provided that permits users to skip repetitive navigation links.	Not Applicable	MovAlyzeR6.1 requires no Internet access.
(p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Not Applicable	MovAlyzeR6.1 requires no Internet access.

VPAT Section 508 Subpart B. §1194.23 – Telecommunications Products



Movalyzer6.1 is not a telecommunications product

VPAT Section 508 Subpart B. §1194.24 – Video and Multi-media Products



Movalyzer6.1 is not a video and multi-media product

VPAT Section 508 Subpart B. §1194.25 – Self-Contained, Closed Products



Movalyzer6.1 is not a self-contained or closed product.

VPAT Section 508 Subpart B. §1194.26 – Desktop and Portable Computers



Criteria	Level of Support	Remarks and explanations
(a) All mechanically operated controls and keys shall comply with 1194.23 (k) (1) through (4).	Not Applicable	Movalyzer6.1 requires no mechanical controls. It uses the computer mouse and a pen tablet or touch screen by well-known companies. Compliance is assumed but beyond our control.
(b) If a product utilizes touch screens or	Not Applicable	Use of touch screens by Movalyzer6.1 is

touch-operated controls, an input method shall be provided that complies with 1194.23 (k) (1) through (4).		only optional.
(c) When biometric forms of user identification or control are used, an alternative form of identification or activation, which does not require the user to possess particular biological characteristics, shall also be provided.	Not Applicable	Movalyzer6.1 uses passwords that need entered via the keyboard and no biometric forms of identity verification.
(d) Where provided, at least one of each type of expansion slots, ports and connectors shall comply with publicly available industry standards	Not Applicable	Movalyzer6.1 works on every MS Windows XP, ME, 7, 8, 81, 10 system and does not require slots of ports. Optionally COM output ports (that can be assigned to any other computer output port) can be used to trigger other hardware systems.

VPAT Section 508 Subpart B. §1194.31 – Functional Performance Criteria

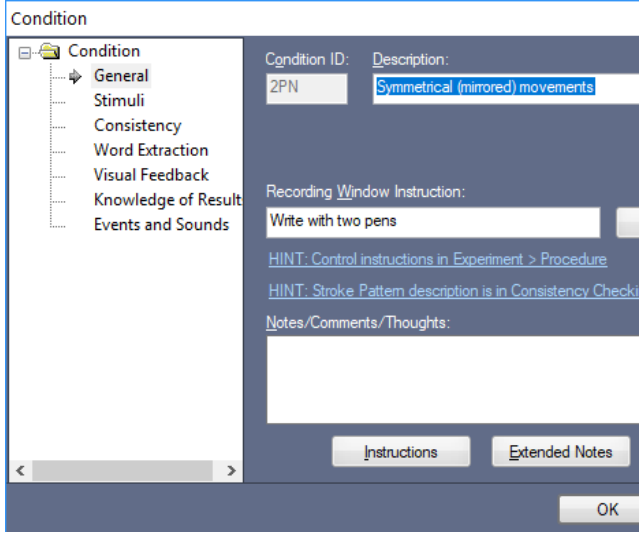


Criteria	Level of Support	Remarks and explanations
(a) At least one mode of operation and information retrieval that does not require user vision shall be provided, or support for Assistive Technology used by people who are blind or visually impaired shall be provided.	Supported	MSWindows Narrator (To start: Control WIndowsKey Enter, To stop: Open Narrator >Exit) will pronounce all menus, toolbars, data tree items, filenames, ..., except the 3 rd -party graphics software.
(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.	Supported	Movalyzer6.1 will scale with the Computer Display Setting of the Resolution. Output to MS Notepad, MS Excel, and E-Mail programs can be scaled separately
(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	Supported	Movalyzer6.1 can be customized to produce any kind of sound as an option but users will be able to customize visual responses also
(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 fashion, or support for assistive hearing devices shall be provided.	Not Applicable	MovAlyzeR6.1 does not require sound to operate.
(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	MovAlyzeR6.1 does not require sound to operate.
(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	Supported	Movalyzer6.1 can be controlled via the keyboard without mouse.

limited reach and strength shall be provided.

VPAT Section 508 Subpart B. §1194.41 – Information, Documentation and Support



Criteria	Level of Support	Remarks and explanations
(a) Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge	Supported	<p>EXAMPLE: Condition Properties are in focus</p>  <p>F1 = Help on dialog in focus</p>

NeuroScript MovAlzyeR Help

Condition Properties General

Condition Properties

Conditions properties refer to settings the experimenter wants to complete between task conditions within subjects.

General

Condition ID: CIR Description: Compatible Target 1 Red

Recording Window Instruction: Be fast and accurate.

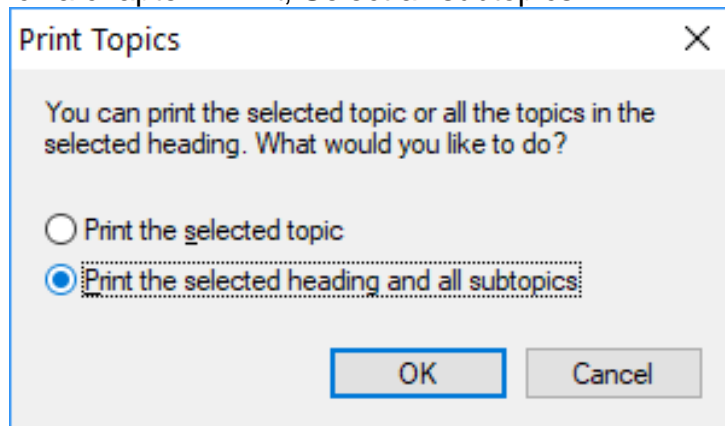
HINT: Stroke Pattern description is in Consistency Checking

Notes/Comments/Thoughts: Condition 1 of the stimulus response compatibility test.

Buttons: Instructions, Extended Notes, OK

- o **Condition ID, Description:** Enter a unique, 3-letter ID (must differ from directory names CON and NUL) and a description.
- o **Recording Window Instruction:** A user-defined instruction can be displayed to the subject during the recording window.

The entire help can also be saved into files. Each of the 15 Movalyzer Help chapters can be printed or saved into a PDF file: Rightclick a chapter >Print, Select all subtopics



Movalyzer Help can also be Googled allowing access to help without opening Movalyzer6.1.

(b) End-users shall have access to a description of the accessibility and

Supported

- o Email: Support@neuroscriptsoftware.com
- o Skype ID: neuroscript
- o Telephone +1-480-350 9200

<p>compatibility features of products in alternate formats or alternate methods upon request, at no additional charge.</p>		
<p>(c) Support services for products shall accommodate the communication needs of end-users with disabilities.</p>	<p>Supported</p>	<p>NeuroScript offers support via</p> <ul style="list-style-type: none"> o Email: Support@neuroscriptsoftware.com o Skype ID: neuroscript o Telephone +1-480-350 9200

