

Alternate Access Plan

Purpose of the Alternate Access Plan

In compliance with Section 504 of the Rehabilitation Act of 1973 and ADA as amended in 2008, the TBR shall apply THEC’s identified accessibility guidelines to Informational Materials and Technology products and services that it adopts, buys, creates, uses and maintains. When informational materials and technologies do not conform to those guidelines, an alternative access plan will be developed to address the accessibility. This form is used to describe the alternate access plan.

Instructions

1. Alter the bolded areas in brackets ([]) to reflect the titles of the responsible persons for this plan.
2. The requesting department Accessibility Liaison/Accessibility Team is responsible for completing sections 1 through 3 below.
3. The requesting department will obtain the appropriate administrative approvals in section 4.
4. The appropriate administrator will either a) approve the form and return it to the requesting department for processing or b) return the form unsigned. An unsigned form indicates the plan is not approved and must be revised to meet accessibility standards.
5. The **[department executive administrator]** or designee is responsible for returning the approved original document along with all associated AIMT adoption/procurement documents to the department Accessibility Liaison upon signature. The liaison will provide copies to those individuals identified in section 3, number 3 (Responsible Person(s) and upload all AAP documentation to the AIMT Web Form.

Section 1. Plan Creator Information

Name: Dr. Bob Dixon	Title: Professor/Dept Head – Engineering Technology	Unit - BTE	Date – 7/8/2024
Office Phone: 423-318-2758	Office Location: TECH 206	Postal: 500 South Davy Crockett Pkwy Morristown, TN 37813	

Section 2. Description of the Affected Informational Material and Technology Purchase

Affected product is a:	Computer Aided Manufacturing software
Product Name:	Mastercam
Product Description:	Mastercam is a graphics based computer software used to generate CNC machine code that contains tooling and tool path information needed to drive CNC machines.
Product Purpose:	The primary purpose of Mastercam is to use a three-dimensional solid model either drawn within the software or imported from another source to generate tooling paths that can be used to create programs that a computer numerically controlled machine can use to remove stock from a piece of raw material as part of the manufacturing process.

Section 3. How will “Alternate Access” (AA) be provided?

1. Description of the issue:

Summarize what part of the informational material/technology has an accessibility issue and is not accessible per AIMT guidelines.

Within Mastercam, text may optionally be displayed for some images or elements that are program elements where it is possible; Mastercam attempts to provide the correct reading sequence of content in a programmatically determinable way, but sometimes this may not be possible due to 3rd party features or proprietary content; Mastercam tries not to rely solely upon sensory characteristics of components when providing instructions for operating or understanding content, but sometimes this may not be possible due to 3rd party components or proprietary features; Mastercam respects the font settings of Windows® as well as allowing for adjusting font size within the managers; Mastercam uses text to convey information rather than images of text, except when rendered as part of the Mastercam graphics window; Through the use of Keyboard Shortcuts/Access Keys, most features in Mastercam are immediately accessible via keyboard functions. Mastercam supports keyboard assistance features including StickyKeys, FilterKeys, MouseKeys, and ToggleKeys; The installed language of Mastercam is determined by various user agents by using the registry; Within Mastercam when the content is implemented using markup languages, it is well formed; Within the Mastercam ribbon and the Mastercam panels, the names and roles can be programmatically determined, and values can be programmatically set. Mastercam attempts to provide name, role, and value information for all components, but at times may use proprietary information or 3rd party component that do not allow for that information to be accessed; With Keyboard Shortcuts/Access Keys, most features in Mastercam are immediately accessible via the keyboard. Mastercam also supports keyboard assistance features including StickyKeys, FilterKeys, MouseKeys, and ToggleKeys. Mastercam does not disrupt or disable the accessibility features of the Windows® 7, Windows® 8.1 or Windows® 10 64-bit Professional operating systems. Focus is programmatically exposed through VB and

C++ programming interface. Text may optionally be displayed for some images or elements that are program elements. Textual information is provided through the application's functions, not the operating system. Some Mastercam functions are not exposed through the menu; With Limited Language, Cognitive, and Learning Abilities – Mastercam does not provide specific functionality for people with limited language, cognitive, or learning abilities; Mastercam attempts to provide object information for all User Interface components, but at times may use proprietary information or 3rd party components that do not allow object information to be accessed; Mastercam attempts to allow object information to be modified for all User Interface components, but at times may use proprietary information or 3rd party components that do not allow object information to be accessible or modifiable; Mastercam attempts to provide object information for all rows, columns, and headers, but at times may use proprietary information or 3rd party components that do not allow that information to be accessed; Mastercam attempts to provide value field information for all components, but at times may use proprietary components or 3rd party components that do not allow value information to be accessed; Mastercam attempts to allow for modification of values for all components, but at times it may use proprietary or 3rd party components that do not allow for values to be modified; Mastercam attempts to provide all component labels but at times may use proprietary or 3rd party components that do not allow for values to be programmatically determined; Mastercam attempts to provide information on all hierarchical relationships between components, but at time may use proprietary of 3rd party components that do not allow for those values to be programmatically determinable; Mastercam provides the content of text objects, text attributes, the boundary of text rendered on the screen in a way that is programmatically

determinable, but at times may use proprietary or 3rd party information that don't allow for text attributes to be programmatically determinable; Mastercam allows for the programmatic editing of text, but at times may use proprietary or 3rd party information that do not allow for the modification of text; Mastercam attempts to provide all possible actions in a programmatically determinable way, but at times it may use proprietary or 3rd party components that do not allow for that information to be determinable; Mastercam attempts to allow all possible actions to be executed programmatically, but at times it may use proprietary or 3rd party components that do not allow for that information to be determinable; Mastercam attempts to expose the information and mechanisms necessary to track focus, insert text, and selection attributes of user interface components, but at times it may use proprietary or 3rd party components that don't allow for that information to be exposed; Whenever there is an event relevant to the user interaction with Mastercam, Mastercam attempts to provide that information for use by assistive technology, but at times may use proprietary or 3rd party components that do not allow for that information to be exposed; Mastercam supports user customizable, systemwide color settings as identified in the operating system display properties. Application performs acceptably under settings for High Contrast. User can change color settings. User is also able to change font type and size within the panel interfaces, otherwise Mastercam uses the Windows® defaults

<p>2. Persons or groups affected: List the person(s) or groups who may/will be affected by this issue, including the total number of affected persons. (general public, visitors, students only, employees, etc.).</p>	<p>This issue will not impact anyone from the general public or visitors to the institution. Current employees will not be impacted. Current students (roughly 50 to 60) will not be affected. Due to the nature of the graphic interface of the software's operation, along with the requirement for students to successfully complete a manual machining course and a manually generated CNC programming course, visually impaired students can be impacted. These issues will have to be addressed on a case-by-case basis.</p>
<p>3. Responsible person(s): List the name(s) and titles of the employee(s) who will be responsible for implementing equally effective alternate access for the specified accessibility issue as described in Number 1.</p>	<p>Bob Dixon will be responsible for any issues accessing the web-based software. Amy Jackson will be responsible for any accommodation requirements unique to the student as identified in the student's accommodation plan.</p>
<p>4. How will AA be provided: Describe in detail how the responsible unit(s)/person(s) equally effective alternate access will be communicated and what will be provided. Attach a separate sheet – see AAP attachment below and the Accessibility Conformance and Remediation Form.</p>	<p>Alternate Access needs will be assessed on a case by case basis to allow for individualized assistance as appropriate.</p>
<p>5. AA Resources Required: List any resources required (including training, equipment, additional staff, etc.) to provide alternate access for the known issue.</p>	<p>Mastercam offers a contact option for those needing additional information (1-860-875-5006). Students have the option to ask others for help with daily assignments.</p>
<p>6. Repair Information: Include the following information in this section: a. Provide a brief description or any relevant information regarding repair of the issue by the vendor or Third Party Service Provider, as well as the completion date. Attach applicable documentation and the Accessibility Conformance and Remediation Form.</p>	<p>The company has identified that these issues will not be resolved.</p>
<p>7. Timeline for Unforeseen events: A timeline to plan create, implement, and follow up on plans for accommodation for access concerns/issues that are beyond the accessible procurement process and/or outside of the realm of the questions above.</p>	<p>No timeline for changes were provided. Students will receive instruction on the use of MasterCam. Contact information will also be provided. If students have issues, they will be address on a case by case basis.</p>

Section 4. Administrative AAP Approvals

By signing this request, you affirm that the plan has been reviewed and is an acceptable solution that meets TBR AIMT Accessibility Guidelines.

Department Head [or other responsible party]	<i>Bob Dixon</i>	Date: 7/10/2024
Executive [or other responsible executive]	<i>Tera Howerton</i>	Date: 7/11/2024

AAP attachment

4. How will AA be provided: (continue from item 4 in section 3)