Accessible Informational Material & Technology Adoption/Procurement Checklist Gulherma Garend Requestor Zach Corder Department/Unit **AIMT Reviewer Product Name** Product Version **Product Vendor** BIOZELCO (company name) Vendor Contact (name of company contanct representative) Vendor Contact Email om gsarda Ke brozelco. com Vendor Contact Phone (company's corporate number) 0000 IMT Users (who will be using product/service: students, employees, public and how many) **IMT** Usage (how will the product be used) Cost licenses (estimate the amount of this acquisition or if this is an adopted product with no cost) 14 Initial all appropriate Step 1 Gather Information for Review boxes or N/A **Standards Conformance** Attached Accessibility Statement, Conformance and Remediation Forms and Vendor Documentation GG Technical standards used (in order of priority) Web Content Accessibility Guidelines 2.0 A & AA 66 **EPUB3 Accessibility Guidelines** 66 Section 508 & VPAT 66 Market Analysis for Standards Conformance All products that meet the applicable requirements are conformant One product meets more applicable requirements than the others (attach supporting analysis) 66 Product previously purchased and may be conformant (e.g., LMS contract) 66 Only one product meets applicable requirements (e.g., sole source) (attach justification) **General Exemptions to Conformance Guidelines** Only Administrative Executive can authorize an exemption No accessible alternative IMT (Must have Alternative Access Plan) Note: For an AIMT adoption/procurement to be authorized, it must have a completed checklist. 2/11 Date Signature required to certify accuracy and completeness of the checklist and conformance. Initial all appropriate Step 2 Review by Department Accessibility Liaison boxes or N/A **Accessibility Review Document Completed** Attached Alternative Access Plan if needed Zach Corder Sign here only when ready to forward to step 3 2/18/2021 **AIMT Reviewer** Accessibility Liaison Initial all appropriate Step 3 Adoption or Procurement boxes or N/A **Adoption Completed** (Initials & Date) **Buyer AIMT Procurement Checklist Completed** (Initials & Date) All documentation filed with department liaison and Purchasing (if applicable) (Initials & Date) Accessibility Liaison **Final Signature** Date 3/5/2021

^{*} applicable requirements are essential/prefered functionallity

Web Content Accessibility Guidelines 2.0 Checklist

Principle 1: Perceivable – information and user interface components must be presentable to users in ways they can perceive.

Standa	Description	Apply Yes/No	Meets Yes/No	Comments (mandatory)				
Guidelii	ne 1.1 Text Alternatives: Provide text alternatives for any non-te	ext conten	t so that it	can be				
change	changed into other forms people need, such as large print, braille, speech, symbols or simpler language.							
1.1.1	Non-text Content: All non-text content that is presented to the			Images that				
	user has a text alternative that serves the equivalent purpose,			function within				
	except for the situations listed below (Level A).			the software				
	 Controls, Input: If non-text content is a control or accepts user input, then it has a name that describes its purpose. (Refer to Guideline 4.1 for additional requirements for controls and content that accepts user input.) 	Yes	Yes	are labeled				
	 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 the 	No						
	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. 	No						
	• 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.	No						
	 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 	No						
	CAPTCHA using output modes for different types of sensory perception are provided to accommodate different disabilities.							
	 Decorative, 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.	No						
Guidelii	ne 1.2 Time-based Media: Provide alternatives for time-based n	nedia.						

1.2.1	Audio-only and Video-only (Prerecorded): For prerecorded audio-	No				
	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 (Level A):					
	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.					
1.2.2	Captions (Prerecorded): Captions are provided for all prerecorded	No				
	audio content in synchronized media, except when the media is a					
	media alternative for text and is clearly labeled as such. (Level A)					
1.2.3	Audio Description or Media Alternative (Prerecorded): An	No				
	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. (Level A)					
1.2.4	Captions (Live): Captions are provided for all live audio content in	No				
	synchronized media. (Level AA)					
1.2.5	Audio Description (Prerecorded): Audio description is provided for	No				
	all prerecorded video content in synchronized media. (Level AA)					
1.2.6	Sign Language (Prerecorded): Sign language interpretation is	No				
	provided for all prerecorded audio content in synchronized media.					
	(Level AAA)					
1.2.7	Extended Audio Description (Prerecorded): Where pauses in	No				
	foreground audio are insufficient to allow audio descriptions to					
	convey the sense of the video, extended audio description is					
	provided for all prerecorded video content in synchronized media.					
	(Level AAA)					
1.2.8	Media Alternative (Prerecorded): An alternative for time-based	No				
	media is provided for all prerecorded synchronized media and for					
	all prerecorded video-only media. (Level AAA)					
1.2.9	Audio-only (Live): An alternative for time-based media that	No				
1.2.5	presents equivalent information for live audio-only content is	110				
	provided. (Level AAA)					
Cuidal		ronturque	/for overnor	olo simonlor		
	line 1.3 Adaptable: Create content that can be presented in differ	rent ways	(Jor examp	ne simpler		
) without losing information or structure.	1	T			
1.3.1	Info and Relationships: Information, structure, and relationships	Yes	Yes			
	conveyed through presentation can be programmatically					
1.3.2	determined or are available in text. (Level A) Meaningful Sequence: When the sequence in which content is	Yes	Yes			
1.5.2	presented affects its meaning, a correct reading sequence can be	162	162			
	programmatically determined. (Level A)					
1.3.3	Sensory Characteristics: Instructions provided for understanding	No				
	and operating content do not rely solely on sensory characteristics					
	of components such as shape, size, visual location, orientation, or					
	sound. (Level A)					
Guidel	deline 1.4 Distinguishable: Make it easier for users to see and hear content including separating					

Guideline 1.4 Distinguishable: Make it easier for users to see and hear content including separating foreground from background.

1.4.1	Use of Color: Color is not used as the only visual means of conveying information, indicating an action, prompting a response, or distinguishing a visual element. (Level A)	Yes	Yes	Text based usage.
1.4.2	Audio Control: 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. (Level A)	No		
1.4.3	Contrast (Minimum): The visual presentation of text and images of text has a contrast ratio of at least 4.5:1, except for the following: (Level AA)			
	 Large Text: Large-scale text and images of large-scale text have a contrast ratio of at least 3:1; 	No		
	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.	No		
	Logotypes: Text that is part of a logo or brand name has no minimum contrast requirement.	No		
1.4.4	Resize text: Except for captions and images of text, text can be resized without assistive technology up to 200 percent without loss of content or functionality. (Level AA)	Yes	Yes	
1.4.5	Images of Text: 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: (Level AA)			
	Customizable: The image of text can be visually customized to the user's requirements;	No		
	Essential: A particular presentation of text is essential to the information being conveyed.	No		
1.4.6	Contrast (Enhanced): The visual presentation of text and images of text has a contrast ratio of at least 7:1, except for the following:			
	 (Level AAA) Large Text: Large-scale text and images of large-scale text have a contrast ratio of at least 4.5:1; 	Yes	Yes	
	Incidental: Text or images of text that are part of an inactive user interface component, that are pure decoration, that are not	No		
	 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 minimum contrast requirement. 	No		
1.4.7	Low or No Background Audio: For prerecorded audio-only content that (1) contains primarily speech in the foreground, (2) is not an audio CAPTCHA or audio logo, and (3) is not vocalization intended to be primarily musical expression such as singing or rapping, at least one of the following is true: (Level AAA)			
	No Background: The audio does not contain background sounds.	No		
	 Turn Off: The background sounds can be turned off. 20 dB: The background sounds are at least 20 decibels lower than the foreground speech content, with the exception of 	No		
	occasional sounds that last for only one or two seconds.	No		

1.4.8	Visual Presentation: For the visual presentation of blocks of text, a mechanism is available to achieve the following: (Level AAA) • Foreground and background colors can be selected by the	No	
	user.Width is no more than 80 characters or glyphs (40 if CJK).	No	
	 Text is not justified (aligned to both the left and the right margins). 	No	
	 Line spacing (leading) is at least space-and-a-half within paragraphs, and paragraph spacing is at least 1.5 times larger than the line spacing. 	No	
	Text can be resized without assistive technology up to 200 percent in a way that does not require the user to scroll horizontally to read a line of text on a full-screen window.	No	
1.4.9	Images of Text (No Exception): Images of text are only used for pure decoration or where a particular presentation of text is essential to the information being conveyed. (Level AAA)	No	

Principle 2: Operable - User interface components and navigation must be operable.

Stand	tandard Description Ap		Meets Yes/No	Comments
Guide	ne 2.1 Keyboard Accessible: Make all functionality available f	om a keybo	ard.	
2.1.1	Keyboard: 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. (Level A)	Yes	Yes	
2.1.2	No Keyboard Trap: If keyboard focus can be moved to a component of the page using a keyboard interface, then focus car 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. (Level A)	Yes	No	Keyboard Trap exist
2.1.3	Keyboard (No Exception): All functionality of the content is operable through a keyboard interface without requiring specific timings for individual keystrokes. (Level AAA)	No		

Guideline 2.2 Enough Time: Provide users enough time to read and use content.					
2.2.1	Timing Adjustable: For each time limit that is set by the content, at	No			
	least one of the following is true: (Level A)				
	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.				
2.2.2	Pause, Stop, Hide: For moving, blinking, scrolling, or auto-updating	No			
2.2.2	information, all of the following are true: (Level A)	No			
	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.				
2.2.3	No Timing: Timing is not an essential part of the event or activity	No			
	presented by the content, except for non-interactive synchronized				
	media and real-time events. (Level AAA)				
2.2.4	Interruptions: Interruptions can be postponed or suppressed by	No			
	the user, except interruptions involving an emergency. (Level AAA)				
2.2.5	Interruptions: Interruptions can be postponed or suppressed by	No			
	the user, except interruptions involving an emergency. (Level AAA)				
Guidel	ine 2.3 Seizures: Do not design content in a way that is known to	cause seiz	zures.		
2.3.1	Three Flashes or Below Threshold: Web pages do not contain	No			
	anything that flashes more than three times in any one second				
	period, or the flash is below the general flash and red flash				
2.2.2	thresholds. (Level A) Three Flaches: Web pages do not contain anything that flaches	Ne			
2.3.2	Three Flashes: Web pages do not contain anything that flashes more than three times in any one second period. (Level AAA)	No			
Guidel		tent and o	letermine	where they are	
2.4.1	Guideline 2.4 Navigable: Provide ways to help users navigate, find content, and determine where they are. 2.4.1 Bypass Blocks: A mechanism is available to bypass blocks of No				
2. 1.1	content that are repeated on multiple Web pages. (Level A)				

2.4.2	Page Titled: Web pages have titles that describe topic or purpose. (Level A)	Yes	Yes	
2.4.3	Focus Order: 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. (Level A)	Yes	Yes	
2.4.4	Link Purpose (In Context): 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. (Level A)	Yes	Yes	
2.4.5	Multiple Ways: 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. (Level AA)	No		
2.4.6	Headings and Labels: Headings and labels describe topic or purpose. (Level AA)	Yes	Yes	
2.4.7	Focus Visible: Any keyboard operable user interface has a mode of operation where the keyboard focus indicator is visible. (Level AA)	Yes	Yes	
2.4.8	Location: Information about the user's location within a set of Web pages is available. (Level AAA)	Yes	Yes	
2.4.9	Link Purpose (Link Only): A mechanism is available to allow the purpose of each link to be identified from link text alone, except where the purpose of the link would be ambiguous to users in general. (Level AAA)	Yes	Yes	
2.4.10	Section Headings: Section headings are used to organize the content. (Level AAA)	Yes	Yes	

Principle 3: Understandable - Information and the operation of user interface must be understandable.

Stand	ard Description	Apply Yes/No	Meets Yes/No	Comments
Guide	ine 3.1 Readable: Make text content readable and understandal	ole.		
3.1.1	Language of Page: The default human language of each Web page can be programmatically determined. (Level A)	Yes	Yes	
3.1.2	Language of Parts: 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. (Level AA)	Yes	Yes	
3.1.3	Unusual Words: A mechanism is available for identifying specific definitions of words or phrases used in an unusual or restricted way, including idioms and jargon. (Level AAA)	No		
3.1.4	Abbreviations: A mechanism for identifying the expanded form or meaning of abbreviations is available. (Level AAA)	No		

3.1.5	Reading Level: When text requires reading ability more advanced	No		
5.1.5	than the lower secondary education level after removal of proper	140		
	names and titles, supplemental content, or a version that does not			
	require reading ability more advanced than the lower secondary			
	education level, is available. (Level AAA)			
3.1.6	Pronunciation: A mechanism is available for identifying specific	No		
0.11.0	pronunciation of words where meaning of the words, in context, is			
	ambiguous without knowing the pronunciation. (Level AAA)			
Guidel	ine 3.2 Predictable: Make Web pages appear and operate in pre	dictable w	avs.	
3.2.1	On Focus: When any component receives focus, it does not initiate	No	, 	
	a change of context. (Level A)			
3.2.2	On Input: Changing the setting of any user interface component	No		
	does not automatically cause a change of context unless the user			
	has been advised of the behavior before using the component.			
	(Level A)			
3.2.3	Consistent Navigation: Navigational mechanisms that are repeated	No		
	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. (Level AA)			
3.2.4	Consistent Identification: Components that have the same	No		
	functionality within a set of Web pages are identified consistently.			
	(Level AA)			
3.2.5	Change on Request: Changes of context are initiated only by user	No		
	request or a mechanism is available to turn off such changes.			
	(Level AAA)			
	ine 3.3 Input Assistance: Help users avoid and correct mistakes.		T	
3.3.1	Error Identification: If an input error is automatically detected, the	Yes	Yes	
	item that is in error is identified and the error is described to the user in text. (Level A)			
3.3.2	Labels or Instructions: Labels or instructions are provided when	Yes	Yes	Descriptions
3.3.2	content requires user input. (Level A)	163	103	are provided
3.3.3	Error Suggestion: If an input error is automatically detected and	Yes	Yes	are provided
0.0.0	suggestions for correction are known, then the suggestions are			
	provided to the user, unless it would jeopardize the security or			
2 2 4	purpose of the content. (Level AA)			
3.3.4	Error Prevention (Legal, Financial, Data): For Web pages that cause legal commitments or financial transactions for the user to	No		
	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: (Level AA)			
	Reversible: Submissions are reversible.			
	Checked: Data entered by the user is checked for input errors and the user is provided an expertupity to correct them.			
	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.			
3.3.5	Help: Context-sensitive help is available. (Level AAA)	Yes	Yes	

3.3.6	Error Prevention (All): For Web pages that require the user to	Yes	Yes	
	submit information, at least one of the following is true: (Level			
	AAA)			
	 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.			

Principle 4: Robust - Content must be robust enough that it can be interpreted reliably by a wide variety of user agents, including assistive technologies.

Stand	ard Description	Apply Yes/No	Meets Yes/No	Comments		
	Guideline 4.1 Compatible: Maximize compatibility with current and future user agents, including assistive technologies.					
4.1.1	Parsing: 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. (Level A)	No				
4.1.2	Name, Role, Value: 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. (Level A)	No				

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 Zach Corder		Unit Center for Teaching Arts & Technology	Date 2/10/2021
Office Phone 865-882-4556	Office Location 116 Coffey/McNaily, Oak Ridge	Postal	

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

Affected product is a:	Siemens PLC Software	
Product Name:	Siemens PLC	
Product Description:	PLC Software	
Product Purpose:	Students can use software to connect to machines and see programming.	

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.	All content can't be accessed through tabbing. There is no Alternative text on some images, although though the images do contain text. The screen reader will pick up the image text.
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.).	Users unable to use the mouse would be affected.
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.	Guilherme Garcia, Instructor
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.	Alternative access would be provided by hiring an assistant to help the user/student to navigate to the different form fields.
5.	AA Resources Required: List any resources required (including training, equipment, additional staff, etc.) to provide alternate access for the known issue.	An overview of the program navigation would be needed by the instructor.
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.	N/A
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.	N/A

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]

Executive [or other responsible executive]

Date:

AAP attachment

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

From: Nick Brozenick < nbrozenick@brozelco.com>

Sent: Tuesday, February 2, 2021 10:09 AM

To: Garcia, Guilherme H

Subject: RE: [EXTERNAL] RE: RSCC Siemens PLC software

Gracia,

I apologize for the delay on this. I don't have a good answer for you. Please see below for what Siemens said.

Short answer - I don't have this for the TIA Portal sw. Have it for the other (Teamcenter) but for some reason Siemens doesn't provide it that I can find for Portal specifically. Still checking but nothing yet.

https://www.plm.automation.siemens.com/global/en/support/508-accessibility-compliance.html



Section 508
Accessibility
Compliance | Siemens
Digital Industries
Software

www.plm.automation.siemens.com Section 508 Accessibility Compliance