

# Functional Accessibility Requirements: an online toolkit approach to procurement

The following three wireframes represent a web page sequence of a toolkit intended to support government employees tasked with procuring accessible ICTs. The framework is based on the idea of reflecting needs and not deficits and of switching the point of view to the user. The working title of the framework is Functional Accessibility Requirements (FARs).

**FUNCTIONAL ACCESSIBILITY REQUIREMENTS**

Where visual modes of presentation are provided	Where auditory modes of presentation are provided	Where speech is required to operate a function	Where manual dexterity is required for operation	Where hand strength is required for operation
Where operation requires reach	Where memorization is required for use	Where text literacy is required for use	Where extended attention is required for use	Where operation has time limits
Where controlled focus is required for use	Where specific sequencing of steps for operation is required	Where abstract thinking is required	Where accuracy of input is required	Where biometrics are employed

**FUNCTIONAL ACCESSIBILITY REQUIREMENTS**

Where visual modes of presentation are provided	Where auditory modes of presentation are provided	Where speech is required to operate a function	Where <b>manual dexterity</b> is required for operation	Where hand strength is required for operation
Where operation requires reach	Where memorization is required for use	Where text literacy is required for use	Where extended attention is required for use	Where operation has time limits
Where controlled focus is required for use	Where specific sequencing of steps for operation is required	Where abstract thinking is required	Where accuracy of input is required	Where biometrics are employed

**FUNCTIONAL ACCESSIBILITY REQUIREMENTS**

<p>Where <b>manual dexterity</b> is required for operation</p>	<p>What</p> <ul style="list-style-type: none"> <li>• The opportunity to use alternative modes of operation must be provided</li> <li>• At least one mode of operation must be provided that enables operation through actions that do not involve fine motor control, path dependant gestures, pinching, twisting of the wrist, tight grasping, or simultaneous manual actions (e.g., one handed operation)</li> </ul>	<p>How</p> <ul style="list-style-type: none"> <li>• <u>Training</u></li> <li>• <u>Evaluation</u></li> <li>• <u>Fix it!</u></li> <li>• <u>Library</u></li> </ul>
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## DESCRIPTIVE TEXT

- In **Frame 1**, fifteen "Needs" of the FARs framework are laid out in a grid formation of five across by three down. The fifteen Needs are:

1. Where visual modes of presentation are provided
2. Where auditory modes of presentation are provided
3. Where speech is required to operate a function
4. Where manual dexterity is required for operation
5. Where hand strength is required for operation
6. Where operation requires reach
7. Where memorization is required for use
8. Where text literacy is required for use
9. Where extended attention is required for use
10. Where operation has time limits
11. Where controlled focus is required for use
12. Where specific sequencing of steps for operation is required
13. Where abstract thinking is required
14. Where accuracy of input is required
15. Where biometrics are employed

- **Frame 2** shows the same grid formation and Needs as Frame 1. Need four, "Where manual dexterity is required for operation", is highlighted representing focus.

- **Frame 3** is a landing page example for "Where manual dexterity is required for operation". The page includes both qualifying information (WHAT) and links to tools intended to support a user's full experience of procuring accessible ICT goods and services (HOW). The content of the landing page example is as follow:

Where manual dexterity is required for operation

WHAT:

- The opportunity to use alternative modes of operation must be provided
- At least one mode of operation must be provided that enables operation through actions that do not involve fine motor control, path dependant gestures, pinching, twisting of the wrist, tight grasping, or simultaneous manual actions (e.g., one-handed operation)

HOW:

- Training
- Evaluation
- Fix it!
- Library