

NUtitleII: Accessibility Helper Toolkit for PowerPoint (macOS)

Three macros to speed up accessibility work in existing decks: Alt-Text Helper, Title Helper, and Table Header Fixer. Every helper not only updates your slides, but also writes a log so you can see exactly what changed and where.

Important Notice: These helpers are intended as a first-pass accessibility aid only. They help speed up workflows by automating certain accessibility-related elements identified by Microsoft PowerPoint's Accessibility Checker, but they do not ensure Title II compliance. Human review and institutional accessibility guidance are recommended, especially for complex or content-specific issues.

1. What the three helpers do (and what they log)

Alt-Text Helper (RunAltTextGenerator.RunOnCurrent)

- Adds alt text to images and charts based on nearby slide content.
- Copies visible text into alt text for text boxes and labeled shapes that lack it.
- Marks lines, arrows, borders, and empty text boxes as decorative and clears their alt text.
- Creates a log listing each slide, object, and the alt text or decorative change applied and produces that log onto a slide added to the end of your edited slide deck

Title Helper (NewPT5.RunOnCurrent / NewPT5.RunOnCurrent_WithLog)

- Promotes the main heading text on each slide into a proper Title placeholder.
- Builds the title from the top text box and stops when bullet points begin.
- Keeps the original text box content, adjusts title size and color for readability, and improves results in the Accessibility Checker.
- The log version creates a log (also added on a slide created at the end of your slide deck) showing which slides received new titles and what text was used.

Table Header Fixer (RunTableHeaderFixer / RunTableHeaderFixer_WithLog)

- Scans all tables in the deck.
- Turns on the "Header Row" setting when the first row is serving as column headers.
- Leaves tables alone when a header row is already configured.
- The log version creates a slide at the end of deck summarizing which tables were fixed and which were already OK.

2. macOS setup and security notes

- These helpers require the desktop version of PowerPoint for Mac (not the web version).
- In PowerPoint ☐ Preferences ☐ Security & Privacy, ensure macros are allowed for trusted documents so you can enable the code in your teaching decks.
- When you open NUtitleIIMacOs.pptm, PowerPoint will show a security banner. Click "Enable Macros" (or similar) for decks you trust. Keep this file open in the background, and open the slides you wish to edit.

3. How to run the helpers on macOS

Open your deck and run a macro:

- In the menu bar of the slide deck you wish to edit, choose Tools ▢ Macro ▢ Macros... (or press Option+F8). In the dropdown menu, be sure the NUtitled file is chosen. In the "Macro name" list, choose one of the helpers and click Run. Begin with the Title macro; do the Alt Text helper last.

4. Reviewing changes with the logs

- After running a helper, look for the new slide that was created in your edited slide deck
- Each log lists the slide number, what the macro detected, and what it changed (or left alone), so you can quickly spot-check important slides.
- Use PowerPoint's Accessibility Checker after running the helpers to catch anything that still needs a human edit, especially for complex figures and diagrams. Be sure to consider whether or not the alt-text adds meaning to the slide beyond what the screen reader will read for your slide's text.

5. Need Assistance:

- There is no customer support; however, to watch a video (12 minutes) demonstrating how to use the .pptm file, please click [HERE](#).