RICOH

Known limitations, problems, and workarounds for RICOH Accessibility Designer

For information not in this manual, refer to the Help System in your product.



Version 1.5

Limitations

The current limitations of the RICOH Accessibility Designer include:

- **Visual limitation on Debian based Linux machines:**
  - Application window cannot be moved or resized.
  - Maximize and restore functions do not work properly.
- **Opened PDF files limit**

  RICOH Accessibility Designer can only work with one PDF document at a time.

  See *FILES* from *RICOH Accessibility Designer User`s Guide* for more information on the list of PDF documents.
- **Table template limitations:**
  - Multiple cells selection to change cell type not supported: table row data, table row header or table column header.
  - Merge cells feature not implemented.
  - Variable table cells with more than one line of text not supported.

  See *Table Template* from *RICOH Accessibility Designer User`s Guide* for more information on how to customize table elements.
- **Unmarked text for Block Lines elements**

  The elements `Block Lines` and `Block Lines Paragraph` do not mark all the text if the text is not fully contained in the bounding box of the text contained within the selection box.

  See *Matching Text Elements* from *RICOH Accessibility Designer User`s Guide* for more information on how to use block lines.
- **Macros limitation**

  Macros that contain `Text` directly under `ListBody` are not marked correctly, as `ListItem Body` does not have text property.

  For more information, see *Macros* from *RICOH Accessibility Designer User`s Guide*.
- **Repeating group limitation**

  Exiting/breaking repeating group from within a condition branch not supported.

```
<Action when="false">
<ExitRepeatingGroup/>
</Action>
```

- **Document page not displayed properly**

  For Linux OS on Virtual machine only, the application does not display the entire document page for:
  - Values greater than 3200% when zooming in.
  - Lower values, such as 2000% when zooming in, for documents with a larger page size, such as A0.
- **Allowed writing systems**

  The only writing system currently supported is left-to-right and top-to-bottom. Any other language that has a different writing systems, such as right-to-left (Arabic or Hebrew) or bottom-to-top (Traditional Chinese or Vietnamese) is not supported yet.

- **Font related**
  - All code points must encode a single character. For example, a codepoint of 2 bytes coding 2 chars.
  - Certain fonts with mixed single byte and double byte characters are not supported.
- **Annotations are not supported in RICOH Accessibility Designer.**
- **RICOH Accessibility Designer does not support**:
  - forms
  - JavaScript
  - media (sound/video)
  - optional content is always flattened (becomes non-optional)
- **Tags**
  - Tags related to Asian languages are not implemented. For example, `Ruby` or `Warichu`.
  - Missing tags: `Formula`, `Quote`
- **RICOH Accessibility Designer and PDF2PDFUA do not handle embedded files.**
- **Existing PDF tags are removed before tagging.**
- **Text content as an image is not supported, there is no OCR support.**
- **PDFs with password protection are not supported.**
- **PDF actions are not supported.**
- **All fonts must be embedded.**
- **Table row operators limitation**
  - You can only use the operators Get Next Row Y and Get Next Row Height within a table.
- **List items Join match ID limitation**
  - Using more than two list items in a list with the same Join match ID non-empty value is not supported.
- **Variable rule expression limitation**
  - To change the value of a variable rule to an expression, you need to use the Edit functionality and not set it from the Variable Value property.
- **Macro definition debugging limitation**
  - Using breakpoints and debugging on rules inside macro definitions is not supported.
- **Automatic rule creation (prototype) limitations:**
  - Supports only `Paragraph`, `Heading`, `Block Paragraphs`, `Figure` (raster and vectorial), and `Table` with its child rules `Table Row`, `Table Data`, `Column Header`, and `Row Header`. Other rules are not supported.

- Generated rules for a page are placed in a `Condition` rule named Page followed by the page number. Page condition rules are placed inside a `Region` rule named Autodetect followed by a sequential count.
- Rules are sorted top to bottom by Y position, then left to right by X position for rules on the same line. This order might not match the intended reading order and needs to be verified.
- Generated rules have `Export As` set to `Fixed` for X, Y, width, and height. The root `Region` rule has these values set to `Absent`. Rules following variable-length content might be positioned incorrectly on other documents.
- Vectorial lines, based on maximum X/Y size, do not generate rules.
- Raster images with overlapping centers are merged into a single `Figure` rule.
- Intersecting raster images are merged into a single `Figure` rule when the overlapping area exceeds the configured X/Y tolerance.
- Tables are generated first from vectorial line intersections, then from table-text detection. Some tables might not be recognized correctly depending on the drawing style.
- Table-text detection requires every cell to contain text. Empty cells prevent recognition, and non-table text might be misidentified as a table.
- A table is generated only when the row count and column count are both 2 or greater.
- No alternative text is generated for any rule. Alternative text for figures, including logos and text-only images, needs to be added manually.
- Only bold text chunks are detected as `Heading` rules, and no heading level is set.
- Each page is processed independently, and the feature does not reuse structures detected on other pages.
- Only the currently open PDF is processed.
- Running automatic rule creation regenerates rules for the entire document each time and does not account for existing rules or previously matched items.
- Rotated text, rotated content, or a rotated page is not supported.
- The automatic rule creation button has no keyboard shortcut and cannot be configured in application settings.

See *Automatic Rule Creation* from *RICOH Accessibility Designer User`s Guide* for more information.

- **Expression Builder number format limitation**

  Inline expressions in the `Expression Builder` support only numbers in US locale format.

For more information on RICOH Accessibility Designer, see the User's guide.

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