The output format of show-pdf-tags.lua

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1 Output format description

The output of show-pdf-tags.lua when invoked on a tagged PDF file is a tree structure containing all tags present in the structure hierarchy. Every Structure Element gets printed in the form

Here <Tag> is the subtype of the structure element and <Tag NS> it's namespace. If the tag does not belong to any namespace than (<Tag NS>) is omitted.

In case that the structure element is role mapped then <Mapped> (<Mapped NS>) similarly describes the role map target. This omits any intermediate mappings. So if A gets mapped to B which in turn is mapped to C, then only A / C is printed, the intermediate step B is ignored to keep the output readable.

The entries <Meta ?> contain additional information about the structure element. The possible fields here are

- "Referenced as object 42": This is present on any object which
 is referenced (though /Ref) by any other object. The number is an
 arbitrarily chosen natural number which uniquely identifies the element and serves as a global identifier.
- "Title: Some title": "Some title" is the title as specified though the /T key.
- "Language: xx-XX": The structure element specifies language identifier xx-XX though /Lang.
- "Expansion: Expanded": The structure element specifies the expansion Expanded though /E.

- "Alternate text: Text": The structure element specifies the alternate text Text though /Alt.
- "Actual text: Text": The structure element specifies the actual text Text though /ActualText.
- "Associated files are present": At least one associated file is specified though /AF. Beside this note associated files are currently ignored.
- "Attributes:": Attributes are present. The attributes are printed in the following lines grouped by attribute owner in the form

For attributes owned by a namespace the Owner 1 field is the namespace identifier. For other owners it's a slash followed by the owner name.

• "References object(s) 42, 142, 242": The element references though /Ref the elements which are marked with these identifiers.

Finally Child 1 to Child n describes the child elements. These can have one of three forms:

- Another structure element
- A object reference using OBJR. These are represented as

```
Referenced object of type <Type> on page <Page>
```

Here <Type> represents the type of the references objet as specified by /Type. " of type <Type>" is omitted if the referenced object does not explicitly specify a type. Page is the page index on which the referenced object appears.

• Marked content. Marked content is represented as

```
Marked content on page <page>: <text>
```

Here <page> is the page index of the page on which the marked content appears and <text> is the text content of the marked content, converted to Unicode though ToUnicode maps and specified Actual-Text. Other content (including but not limited to XObjects and nontext drawing operators) is ignored.

This <text> is provided to help getting a general idea which content is marked and should not be relied upon to get a full understanding of the content of the marked content sequence.

2 Example output

An example for a simple document could be

```
Document (http://iso.org/pdf2/ssn):
└─Section (http://typesetting.eu/test/pdfns) / Sect (http://iso.org/pdf2/ssn):
  —H (http://iso.org/pdf2/ssn):
    ⊢Lbl (http://iso.org/pdf2/ssn):
     └─Marked content on page 1: 1
    Marked content on page 1: First section
   -P (http://iso.org/pdf2/ssn):
      -Attributes:
       L/Layout:
        -LineHeight: 11
        -SpaceAfter: 4.625
        LTextAlign: "Center"
     -Marked content on page 1: Some example content
     -Lbl (http://iso.org/pdf2/ssn):
     └─Marked content on page 1: 1
     -FENote (http://iso.org/pdf2/ssn):
      └─P (http://iso.org/pdf2/ssn):
        ⊢Lbl (http://iso.org/pdf2/ssn):
         └─Marked content on page 1: 1
        └─Marked content on page 1: With a footnote
     -Marked content on page 1: .
     -Link (http://iso.org/pdf2/ssn):
       —Alternate text: A link to a well known search engine
      └─Link (http://iso.org/pdf2/ssn):
        ⊢Marked content on page 1: Google
        Referenced object of type Annot on page 1
```