The latex-lab-firstaid package
Temporary patches to external packages needed for the tagging project

LaTeX Project*

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Abstract

1 Introduction

The followings contains small temporary changes to external packages to avoid errors with the new tagging code.

Similar to the main firstaid package the goal is to remove the patches once the packages have been updated.

2 Implementation

1 ⟨*package⟩
2 ⟨@@=tag⟩

3 \ProvidesPackage {latex-lab-testphase-firstaid} [%
4   \ltlabfirstaiddate\space v\ltlabfirstaiddate\space
5   Temporary patches to external packages needed for the tagging project]

2.1 blindtext

The blindtext package generates lists with nested \loop command. The inner loop introduces a group around the list which error when lists are tagged as \@doendpe is lost.

6 \AddToHook{file/blindtext.sty/after}[latex-lab-firstaid]{%
7   \FirstAidNeededT{blindtext}{sty}{\blindfiledate\space\blindfileversion\space%
8   blindtext-Package}%
9   {%
10   \renewcommand{\blind@items}{%
11   \setcounter{blind@listcount}{1}%
12   \loop
13   \ifblind@optional
14   \ifblind@long
15   \item[\blindtext@countitem] \blindtext@text
16   \else

```
17          \item[\blindtext@count] \blindtext@item
18        \fi
19      \else % \blind@optionalfalse
20        \ifblind@long
21          \item \blindtext@text
22        \else
23          \item \blindtext@countitem
24        \fi
25      \fi % \ifblind@optional
26      {%
27        \loop
28        \ifnum\value{blindlistlevel}>\value{blindlist@level}%
29          \stepcounter{blind@levelcount}%
30          \blind@list[\value{blindlist}]\relax
31          \addtocounter{blind@levelcount}{-1}%
32          \setcounter{blind@listcount}{1}%
33        \repeat
34      \expandafter}\if@endpe\@doendpe\fi % <----------changed
35      \ifnum\value{blind@listcount}<\value{blindlist}%
36        \stepcounter{blind@listcount}%
37      \repeat
38    }
39  }%
40 }
```

2.2 cleveref

The cleveref package redefines `\@makefntext` and this means that the patches in the new footnote code fails. We use a hook instead

```
41 \AddToHook{package/cleveref/after}
42  {
43    \let\@makefntext\cref@old@makefntext
44    \AddToHook{cmd/@makefntext/before}{%
45    \cref@constructprefix{footnote}{\cref@result}%
46    \protected@edef\cref@currentlabel{%
47      [footnote][\arabic{footnote}][\cref@result]%
48    \p@footnote\@thefnmark}}
```

The second problem is that it redefines `\refstepcounter` to use an argument. In itself this isn't a problem but as the new definition doesn't grab the arguments directly it fails over the generic hook inserted at the end of the definition

```
49    \RenewDocumentCommand\refstepcounter{om}{%
50      \IfNoValueTF{#1}%
51        {\refstepcounter@noarg{#2}}%
52        {\refstepcounter@optarg[#1]{#2}}%
53    }%
54 }
55 ⟨/package⟩

56 ⟨*latex-lab⟩
57 \ProvidesFile{firstaid-latex-lab-testphase.ltx}
58        [\ltlabfirstaiddate\space v\ltlabfirstaidversion\space
59        latex-lab wrapper firstaid]
60
```

```
61  \RequirePackage{latex-lab-testphase-firstaid}
62
63  ⟨/latex-lab⟩
```